



Prepared for

Georgia Power Company
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2023 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

PLANT BOWEN ASH POND 1 (AP-1)

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CERTIFICATION STATEMENT

This 2023 Annual Groundwater Monitoring and Corrective Action Report, Plant Bowen Ash Pond 1 (AP-1) has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule (40 Code of Federal Regulations [CFR] 257 Subpart D), specifically § 257.90(e), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Geosyntec Consultants, Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.



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January 31, 2024
Date

SUMMARY

This summary of the *2023 Annual Groundwater Monitoring and Corrective Action Report* provides the status of groundwater monitoring and corrective action program for the reporting period of January through December 2023 (referred to herein as the “annual reporting period”) at Georgia Power Company’s (Georgia Power’s) Plant Bowen Ash Pond 1 (AP-1) (the Site). This summary was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6¹ of the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] 257 Subpart D).

Plant Bowen is located at 317 Covered Bridge Rd SW, nine miles southwest of Cartersville in Bartow County, Georgia. Plant Bowen is a four-unit, coal-fired, electric-generating facility that commenced operations in the 1970s. CCR material resulting from power generation have historically been transferred and stored at the Site. In preparation for AP-1 closure, the plant completed the conversion to dry ash handling in early 2019 and AP-1 no longer receives ash. The Site is located on the western portion of the Plant Bowen property. The Georgia Environmental Protection Division (GA EPD) approved closure permit no. 008-021D(CCR) for AP-1 on February 17, 2022.



Plant Bowen and the Site

Groundwater at the Site is monitored using a comprehensive well network system that meets federal and state monitoring requirements. Routine sampling and reporting began after the background groundwater conditions were established between June 2016 and August 2017. Based on groundwater conditions at the Site, an assessment monitoring program and assessment of corrective measures (ACM) program were established in

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

January 2018 and January 2019, respectively. During the annual reporting period, the Site remained in assessment monitoring as corrective measures are being evaluated.

During the annual reporting period, Geosyntec conducted groundwater sampling events in January and August 2023 in support of the assessment monitoring program. Groundwater samples were submitted to Pace Analytical Services, LLC (Pace Analytical), for analysis. Per the federal CCR Rule, groundwater data from the semiannual assessment monitoring events conducted during the annual reporting period were evaluated in accordance with the certified statistical methods. The evaluations identified statistically significant values of select Appendix III² and Appendix IV³ constituents in excess of established groundwater protection standards (GWPS) in select monitoring wells, as summarized in the table below for the annual reporting period.

Based on a review of the Appendix III and Appendix IV statistical results completed for the groundwater monitoring and corrective action program for the annual reporting period, the Site will continue in assessment monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to Georgia Power's CCR Rule Compliance website and provided to GA EPD semiannually. A *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD in February 2023.

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

³ Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226 + 228

Appendix III Constituent	January 2023	August 2023
Boron	BGWC-7, BGWC-8, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30	BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, BGWC-52,
Calcium	BGWC-7, BGWC-12, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24	BGWC-7, BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-51,
Chloride	BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30	BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, BGWC-52
pH	BGWC-7, BGWC-16, BGWC-18, BGWC-19, BGWC-22	BGWC-14A, BGWC-16, BGWC-18, BGWC-19, BGWC-22, BGWC-24
Sulfate	BGWC-7, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24	BGWC-7, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-51, BGWC-52
Total Dissolved Solids	BGWC-7, BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30	BGWC-7, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30, BGWC-51, BGWC-52
Appendix IV Constituent ⁴	January 2023	August 2023
Arsenic ⁵	BGWC-34D	BGWC-34D
Cobalt	BGWC-22	BGWC-22
Molybdenum	BGWC-43D	BGWC-43D

⁴ A statistically significant level (SSL)-related constituent is determined by comparing the confidence intervals developed to either the constituent's maximum contaminant level (MCL), if available; where an MCL has not been established, then a CCR-rule specific GWPS; or background concentrations for constituents where the concentration is greater than the MCL or rule-specified GWPS.

⁵ Alternate Source Demonstration (ASD) submitted and approved by GA EPD.

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LIST OF ACRONYMS

ACM	Assessment of Corrective Measures
AP-1	Ash Pond 1
ASD	Alternate Source Demonstration
CCR	coal combustion residuals
CFR	Code of Federal Regulations
DO	dissolved oxygen
EDR	Environmental Data Resources
ft/day	feet per day
ft/ft	feet per foot
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
GSC	Groundwater Stats Consulting
GWPS	Groundwater Protection Standard
GSWP	General Service Water Pond
HAR	Hydrogeologic Assessment Report
i	horizontal hydraulic gradient
K_h	horizontal hydraulic conductivity
MCL	Maximum Contaminant Level
mg/L	milligram per liter
n_e	effective porosity
NELAP	National Environmental Laboratory Accreditation Program
NOI	notice of intent
NTU	nephelometric turbidity units
ORP	oxidation reduction potential
Pace Analytical	Pace Analytical Services, LLC
PDI	pre-design investigation
PE	professional engineer
PL	prediction limit
QA/QC	Quality Assurance/Quality Control
SSI	statistically significant increase
SSL	statistically significant level
s.u.	standard unit
Unified Guidance	Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance
USEPA	United States Environmental Protection Agency

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] Part 257, Subpart D) and the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10, Geosyntec Consultants, Inc. (Geosyntec) has prepared this *2023 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at Georgia Power Company (Georgia Power) Plant Bowen (Site) Ash Pond 1 (AP-1) for the reporting period of January through December 2023 (referred to herein as the “annual reporting period”).

Groundwater monitoring and reporting for the CCR unit is performed in accordance with the monitoring requirements of § 257.90 through § 257.95 of the federal CCR Rule, and GA EPD Rules for Solid Waste Management 391-3-4-.10(6). To specify groundwater monitoring requirements, GA EPD rule 391-3-4-.10(6)(a) incorporates by reference the federal CCR Rule. For ease of reference, the federal CCR Rule is cited within this report in lieu of citing both sets of regulations. Also, the closure permit issued by GA EPD (i.e., no. 008-021D(CCR)) stipulates that Georgia Power must maintain the groundwater monitoring system and monitor the groundwater in accordance with the approved site-specific groundwater monitoring plan and GA EPD rule 391-3-4-.10 as part of the closure and post-closure care programs.

Due to statistically significant levels (SSLs) of cobalt and molybdenum reported in the *2018 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2019a), Georgia Power initiated an assessment of corrective measures (ACM) for AP-1 in January 2019. Pursuant to § 257.96(b), Georgia Power continues to monitor groundwater associated with AP-1 in accordance with the assessment monitoring program established for the unit in 2018, including semiannual monitoring and reporting pursuant to § 257.90 through § 257.95 of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). A *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD on February 28, 2023, (Geosyntec, 2023b) and is currently under review.

The current reporting period groundwater data indicate that the identified SSLs of arsenic, cobalt, and molybdenum are horizontally and vertically delineated to below their corresponding groundwater protection standards (GWPS) and contained within the

property boundary, or resolved with a previously approved or recently submitted alternate source demonstration (ASD) (Geosyntec, 2021b; Geosyntec, 2023c).

1.1 Site Description and Background

Plant Bowen is a four-unit, coal-fired, electric-generating facility that commenced operations in the 1970s. The plant is located nine miles southwest of Cartersville in Bartow County, Georgia. The plant is bordered by the Etowah River to the north and east, and sparsely populated, forested, rural and industrial land on the south and west (**Figure 1**).

AP-1 at the Site occupies an area of approximately 254 acres. In preparation for AP-1 closure, the plant completed the conversion to dry ash handling in early 2019, and AP-1 no longer receives ash. Georgia Power submitted to GA EPD a notice of intent (NOI) stating that waste stream flows are no longer directed to AP-1, effective December 31, 2020. Georgia Power began closure of AP-1 in 2021 by excavation and consolidation of CCR material into an approximately 144-acre lined, multi-cell storage facility situated within the current footprint of AP-1. Closure activities are conducted in accordance with § 257.102 and corresponding Rule 391-3-4-.10(7)(b). The proposed closure approach provides a source control measure that reduces the potential for migration of CCR constituents to groundwater. Details of the closure approach have been summarized in the Amended Written Closure Plan and published in 2018 to Georgia Power's CCR Rule Compliance website. On February 17, 2022, GA EPD issued a CCR Permit (008-021D(CCR)) for the closure of Plant Bowen AP-1.

1.2 Regional Geology and Hydrogeologic Setting

The following section summarizes the geologic and hydrogeologic conditions at AP-1 as described in the *Hydrogeologic Assessment Report (Revision 3) – AP-1* (HAR Rev 3) (Geosyntec, 2021c) prepared in support of the AP-1 solid waste handling permit.

1.2.1 Regional and Site Geology

The Site is located within the Great Valley District of the Valley and Ridge Physiographic Province (Valley and Ridge) in northwest Georgia. The Valley and Ridge is characterized by Paleozoic sedimentary rocks that have been folded and faulted into the ridges and valleys that gave this region its name. The floor of the valley is underlain by shales, dolomites, and limestones of Cambrian and Ordovician age. Geologic mapping performed by Lawton et al. (1976) indicates that the Site is underlain by the Ordovician-

Cambrian age Knox Dolomite and the Ordovician age Newala Limestone. Based on review of subsurface investigations at the Site, the bedrock is described as predominantly dolomite. The overall Site is underlain primarily by residuum and competent dolomite/limestone bedrock. AP-1 is underlain primarily by three units: (i) fill material consisting of earthen embankments and CCR material; (ii) residuum; and (iii) competent dolomite/limestone bedrock.

Based on subsurface investigations, the residuum at the Site is the result of in-place weathering of the underlying dolomite/limestone bedrock. The residuum consists mainly of mottled light brown to red to yellow, low to high plasticity, stiff to very stiff clay, silt, and silty clay. Most soils contain varying amounts of black chert nodules and chert gravel. The bedrock beneath the Site is described as light to dark gray, fine to medium-grained, thinly bedded to massive, dense, and hard dolomite, limestone, and dolomitic limestone. Some evidence of weathering along fracture or bedding surfaces is observed, with some manganese or iron oxide staining. Abundant calcite veins and occasional zones of healed dolomite breccia are observed throughout the bedrock. Solution features such as voids in the underlying limestone/dolomite bedrock have formed in the bedrock over geological timeframes, primarily along pre-existing discontinuities such as joints and bedding planes. At the Site, these solution features are typically filled with residuum from the in-place weathering of the bedrock or the downward migration of the overlying residuum, but they may also be open, or water filled.

1.2.2 Hydrogeologic Setting

The uppermost aquifer at the Site occurs near the interface of the residuum and the fractured and solutioned bedrock. Groundwater recharge is by precipitation infiltrating through the residuum to bedrock, or in bedrock outcrop areas through direct infiltration into the bedrock. Groundwater flow in bedrock is under unconfined to semi-confined conditions from the mantle of overlying lower-permeability residuum and is controlled by secondary porosity along fractures and solution-enhanced features that are typically filled with residuum. Based on observations of residuum soil types, horizontal hydraulic conductivity values, and boring logs and geophysical evaluations, the movement of groundwater in the clay-rich residuum and upper weathered bedrock zone is slow and likely behaves as flow through low-permeability porous media. Groundwater flow in the dolomite/limestone bedrock is likely controlled by the secondary porosity features that are typically filled with residuum.

1.3 Groundwater Monitoring Well Network

In accordance with § 257.91, a groundwater monitoring system was installed at AP-1 that consists of a sufficient number of wells installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer to represent the groundwater quality both upgradient of the unit (i.e., background conditions) and passing the waste boundary of the unit. The number, spacing, and depths of the groundwater monitoring wells were selected based on the characterization of site-specific hydrogeologic conditions.

As part of the assessment monitoring program, assessment monitoring wells have been installed since 2018 to supplement the pre-existing detection monitoring wells and characterize the nature and extent of SSLs in groundwater downgradient of AP-1. Pursuant to § 257.195(g)(1)(iv), the wells classified as “assessment monitoring wells” will continue to be sampled concurrently with the detection monitoring well network as part of the ongoing assessment groundwater monitoring program.

An on-site network of piezometers is used in combination with the detection and assessment monitoring well networks to gauge water levels to define groundwater flow direction and gradients.

The locations of the detection monitoring wells, assessment monitoring wells, and piezometers are shown on **Figure 2**; well and piezometer construction details are listed in **Table 1**.

2.0 GROUNDWATER MONITORING ACTIVITIES

In accordance with § 257.90(e), the following describes monitoring-related activities performed during the annual reporting period and discusses any change in status of the monitoring program. Groundwater sampling was performed in accordance with § 257.93.

2.1 Monitoring Well Installation and Maintenance

Two piezometers (PT-02 and PT-03) were installed in July and December 2023, respectively, in support of the high-resolution site characterization activities described in Section 2.4. The locations of the piezometers are shown on **Figure 2**. A well installation report that includes detailed boring and well construction logs for the installation of PT-02 and PT-03 is provided in **Appendix A**.

The well and piezometer networks are inspected semiannually to evaluate if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In January and August 2023, the networks were inspected and necessary corrective actions were identified and subsequently completed, as documented in **Appendix B**. This documentation was prepared under the direction of a professional geologist or engineer registered in the State of Georgia.

2.2 Assessment Monitoring

Georgia Power initiated an assessment monitoring program for groundwater at AP-1 in January 2018 based on statistically significant increases (SSIs) of Appendix III constituents documented in the *2017 Annual Groundwater Monitoring and Corrective Action Report* (Anchor QEA, 2018). A notice of assessment monitoring was placed in the operating record on May 15, 2018. Currently identified SSLs of Appendix IV constituents exceeding their respective GWPS at AP-1 are cobalt in BGWC-22, arsenic in BGWC-34D, and molybdenum in BGWC-43D. Monitoring well BGWC-38D exhibited an SSL of molybdenum in the past. Concentrations of molybdenum have decreased to less than the GWPS and the statistical analysis no longer indicates an SSL in this well.

Pursuant to § 257.96, an ACM was initiated for AP-1 in January 2019. An *Assessment of Corrective Measures Report – Plant Bowen Ash Pond 1 (AP-1)* (ACM Report) was subsequently prepared for AP-1 (Geosyntec, 2019b) and submitted to GA EPD in June 2019 and posted to the CCR compliance website in July 2019. In accordance with §

257.96(b), groundwater continues to be monitored at AP-1 under the assessment monitoring program while the ACM phase is implemented.

In support of the routine assessment monitoring program, the annual assessment monitoring events were conducted in January and August 2023. Due to suspect data for antimony reported for BGWC-23, this well was resampled on May 10, 2023; the resample result is more consistent with historical values. The wells sampled and the dates the samples were collected at AP-1 during the annual reporting period are summarized in **Table 2**. Details of these events and analytical results are discussed in Section 3.

2.3 Additional Groundwater Evaluations

Supplemental groundwater samples were collected from the entire AP-1 detection and assessment well networks during the January 2023 event and were analyzed for major cations (calcium, magnesium, potassium, and sodium), major anions (chloride, sulfate, and alkalinity [i.e., bicarbonate, carbonate, total]), iron, and manganese. The data were collected in support of evaluating the geochemical composition of the groundwater in conjunction with the ACM activities. Additionally, a supplemental groundwater sample was collected from piezometer PZ-7 during the January 2023 event to characterize the groundwater quality downgradient of BGWC-16. The PZ-7 groundwater sample was analyzed for the complete list of Appendix III and Appendix IV constituents. The laboratory reports associated with the data are provided in **Appendix C**.

2.4 Assessment of Corrective Measures

To support remedial design and pilot study planning, a pre-design investigation (PDI) including a high-resolution site characterization and treatability study was initiated in June 2023. High-resolution site characterization activities were initiated to characterize and refine the proposed in-situ injection treatment area proximal to BGWC-22. Three boreholes (PDI-01, PDI-02, and PDI-03) were advanced in the vicinity of BGWC-22 using high-speed wireline coring to further characterize the lithology. During investigation activities, an aquifer solids sample was obtained. Borehole geophysical logging and hydraulic testing was subsequently performed, and discrete screening-level groundwater samples were collected from the boreholes in June and July 2023. Borehole PDI-02 was completed as a piezometer (reclassified as PT-02) in July 2023 and groundwater samples subsequently collected in September and October 2023. Borehole PDI-03 was completed as a piezometer (reclassified as PT-03) and borehole PDI-01 was abandoned to ground surface with bentonite in December 2023. The laboratory reports

associated with the high-resolution site characterization activities are provided in **Appendix C**.

Groundwater samples and aquifer solid samples were collected in December 2023 to support a laboratory treatability study. Separate groundwater samples were collected from wells BGWC-22 and BGWC-43D. An aquifer solids sample was collected using a roto-sonic drill rig to advance soil borings located near BGWC-22 at depths approximately coinciding with the screened interval of BGWC-22. Because the primary route of groundwater is secondary porosity features that coincide with the approximate screen interval of BGWC-43D, no aquifer solids were collected from the BGWC-43D location, and the treatability study will be conducted with groundwater only from BGWC-43D.

The results of the high-resolution site characterization and treatability study will be summarized under separate cover in a pilot study workplan.

3.0 SAMPLING METHODOLOGY AND ANALYSES

The following section presents a summary of the field sampling procedures that were implemented, and the groundwater sampling results that were obtained in connection with the assessment monitoring program conducted at AP-1 during the annual reporting period.

3.1 Groundwater and Surface Water Level Measurement

A synoptic round of depth-to-groundwater-level measurements were recorded from the AP-1 wells and piezometers during the January and August 2023 assessment monitoring events and used to calculate the corresponding groundwater elevations, which are presented in **Table 3**. The January and August 2023 elevations are generally representative of the groundwater elevations reported for prior monitoring events.

Surface water elevations were recorded along the Etowah River, Euharlee Creek, and General Service Water Pond (GSWP) using transducers installed at the locations indicated on **Figure 2**. A survey certification for GSWP completed by GEL solutions was obtained on November 20, 2023, and is included in **Appendix A**.

The groundwater and surface water elevation data were used to prepare a potentiometric surface map for the January and August 2023 events, which are presented on **Figure 3** and **Figure 4**, respectively. Groundwater flow pathways at the Site are expected to be influenced by solution features, fractures, and weathered zones in the upper bedrock. Interpretation of the potentiometric surface contours indicates that groundwater generally flows to the north, northwest, and west. A component of flow in the southernmost portion of AP-1 is to the south and west, likely due to groundwater mounding related to historical free water storage at the former recycle pond at the southern end of AP-1 (now decommissioned), the influence of which has reduced since closure activities began in 2021. Under post-closure conditions, the groundwater flow direction is anticipated to resemble the regional flow regime more closely (south to north).

3.2 Groundwater Gradient and Flow Velocity

The horizontal groundwater hydraulic gradients within the residuum and fractured and solutioned bedrock of the uppermost aquifer beneath AP-1 were calculated using groundwater elevation data recorded during the January and August 2023 gauging events, and along three main interpreted groundwater flow paths to account for changing flow directions underlying AP-1, as discussed in Section 3.1 (i.e., northwest, west, and

south/southwest). Horizontal hydraulic gradients were calculated between the following well pairs: APPZ-5R/BGWC-14A, APPZ-3R/BGWC-25, and BGWC-24/BGWC-40. The supporting calculations are presented in **Table 4**; the locations of the flow paths used in the calculations and associated potentiometric contour lines are shown on **Figure 3** and **Figure 4**. The calculated average hydraulic gradient along the northwest, west, and south/southwest flow paths for the annual reporting period are 0.012 feet per foot (ft/ft), 0.012 ft/ft, and 0.025 ft/ft, respectively.

Because of lithologic heterogeneity and anisotropic groundwater flow, groundwater velocity calculations using derivations of Darcy's Law, or other methods, may not capture the full range and distribution of flow velocities beneath and around AP-1 (Geosyntec, 2021c). Groundwater flow velocity calculations are provided as a general estimate of groundwater flow velocity at the site based on available information and assumptions described below.

The approximate horizontal flow velocities along the northwest, west, and south/southwest flow paths were calculated using the following derivative of Darcy's Law. The calculations are presented on **Table 4**.

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

Where:

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

K_h = Horizontal Hydraulic Conductivity $\left(\frac{feet}{day}\right)$

i = Horizontal hydraulic gradient $\left(\frac{feet}{foot}\right) = \frac{h_1 - h_2}{L}$

h_1 and h_2 = Groundwater elevation at location 1 and 2

L = distance between location 1 and 2

n_e = Effective porosity

Groundwater flow in bedrock is controlled by secondary porosity features that are typically filled with residuum. Based on the range of hydraulic conductivity measurements from wells and piezometers screened in the upper bedrock at AP-1, flow

velocities were calculated using: (i) the geometric mean and the highest of the observed horizontal hydraulic conductivity (K_h) values as presented in the HAR Rev 3 (Geosyntec, 2021c); (ii) the average hydraulic gradients presented at the beginning of Section 3.2; and (iii) an estimated effective porosity (n_e) of 0.3 for the fractured and solutioned dolomite/limestone bedrock (Geosyntec, 2021c).

Horizontal hydraulic conductivity values measured for bedrock ranged from 3.0×10^{-2} to 33.0 feet per day (ft/day), with a geometric mean of 2.4 ft/day. Using the geometric mean K_h value of 2.4 ft/day for the bedrock, the calculated flow velocities along the northwest, west, and south/southwest flow paths are 0.09 ft/day, 0.10 ft/day, and 0.20 ft/day, respectively. Using the highest observed K_h in the bedrock of 33 ft/day, the calculated flow velocities along the northwest, west, and south/southwest flow paths are 1.28 ft/day, 1.37 ft/day, and 2.75 ft/day, respectively. This variability in calculated groundwater flow velocity is consistent with groundwater flow in dolomite/limestone bedrock controlled by secondary porosity features that are typically filled with residuum.

3.3 Groundwater Sampling Procedures

Groundwater samples were collected using low-flow sampling procedures in accordance with § 257.93(a). Purging and sampling was performed using dedicated bladder pumps with dedicated tubing, non-dedicated bladder pumps, and peristaltic pumps. For wells sampled with non-dedicated bladder and peristaltic pumps, the pump intake was lowered to the midpoint of the well screen (or as appropriate based on the groundwater level). Non-dedicated bladder pump and peristaltic pump samples were collected using new disposable polyethylene tubing; all non-dedicated tubing was disposed of following the sampling event. All non-disposable equipment was decontaminated before use and between well locations.

An in-situ water quality field meter (Aqua TROLL 400) was used to monitor and record field water quality parameters [i.e., pH, conductivity, dissolved oxygen (DO), temperature, and oxidation reduction potential (ORP)] during well purging to verify stabilization prior to sampling. Turbidity was monitored using a LaMotte 2020we (or similar) portable turbidity meter. Groundwater samples were collected once the following stabilization criteria were met:

- pH \pm 0.1 standard units (s.u.).
- Conductivity \pm 5%.

- ± 0.2 milligrams per liter (mg/L) or $\pm 10\%$ (whichever is greater) for DO > 0.5 mg/L. No criterion applies if DO < 0.5 mg/L, record only.
- Turbidity measured less than 5 nephelometric turbidity units (NTU) or measured between 5 and 10 NTU following three hours of purging.

Following purging, and once stabilization was achieved, unfiltered samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to Pace Analytical Services, LLC (Pace Analytical) in Peachtree Corners, Georgia, following chain-of-custody protocol. The field sampling and equipment calibration forms generated during the annual reporting period are provided in **Appendix C**.

3.4 Laboratory Analyses

Laboratory analyses were performed by Pace Analytical, which is accredited by the National Environmental Laboratory Accreditation Program (NELAP). Pace Analytical maintains a NELAP certification for the Appendix III and Appendix IV constituents and the geochemical parameters analyzed for this project. Analytical methods used for groundwater sample analysis are listed in the analytical laboratory reports included in **Appendix C**. The groundwater results from the annual reporting period are summarized in **Table 5**.

3.5 Quality Assurance and Quality Control Summary

Quality assurance/quality control (QA/QC) samples were collected during the groundwater monitoring events at the minimum rate of one QA/QC sample per 10 groundwater samples and included the following: field duplicates, equipment blanks, and field blank samples. QA/QC samples were collected in appropriately preserved laboratory-provided sample containers and submitted under the same chain of custody as the primary samples for analysis of the same constituents by Pace Analytical.

In addition to collecting QA/QC samples, the data were validated based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and applicable federal and site-specific guidance documents (USEPA, 2011; USEPA, 2017). Where necessary, the data were qualified with supporting documentation and justifications. The validated data meet project objectives and the associated data validation reports are provided in **Appendix C**, along with the laboratory reports.

4.0 STATISTICAL ANALYSIS

The following section summarizes the statistical analysis of Appendix III groundwater monitoring data performed pursuant to § 257.93. In addition, pursuant to § 257.95(d)(2), Georgia Power established GWPS for the Appendix IV constituents and completed statistical analyses of the Appendix IV groundwater monitoring data obtained during the annual reporting period. The data were analyzed by Groundwater Stats Consulting (GSC); the reports generated from the analyses are provided in **Appendix D**.

4.1 Statistical Methods

Groundwater data from the annual reporting period were statistically analyzed in accordance with the Professional Engineer-certified (PE-certified) Statistical Analysis Method Certification (October 2017, revised January 2020) (Anchor QEA, 2017; Geosyntec, 2020). The Sanitas groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision-support software package that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations and guidance as recommended in the USEPA document *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009).

Appendix III statistical analysis was performed to assess if Appendix III constituents have returned to background levels. Appendix IV constituents were evaluated to assess if concentrations statistically exceeded the established state and federal GWPS. Detailed statistical methods used for Appendix III and Appendix IV constituents are discussed in the statistical analysis reports provided in **Appendix D** and summarized in Sections 4.1.1 and 4.1.2. The GWPS were finalized pursuant to § 257.95(d)(2) and presented in **Table 6**.

4.1.1 Appendix III Statistical Methods

Based on guidance from GA EPD, statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits (PLs) combined with a 1-of-2 verification resample plan for each of the Appendix III constituents. Interwell PLs pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the same limit for each constituent to assess whether there are SSIs. An "initial exceedance" occurs when an Appendix III constituent reported in the groundwater of a downgradient detection monitoring well exceeds the constituent's associated PL. The 1-of-2 resample plan allows for collection of an independent resample. A confirmed exceedance is noted only

when the resample confirms the initial exceedance by also exceeding the statistical limit. If the resample falls within its respective PL, no exceedance is declared.

4.1.2 Appendix IV Statistical Methods

To statistically compare groundwater data to GWPS, confidence intervals are constructed for each of the detected Appendix IV constituents in each downgradient detection and assessment monitoring well with a minimum of four samples. In accordance with Section 21.1.1 of the Unified Guidance (USEPA, 2009), four independent data are the minimum population size recommended to construct confidence intervals required to assess SSLs for Appendix IV constituents. Due to previous non-routine (or ACM investigation) sampling, some Appendix IV constituents at a well location have differing number of analytical data points.

The confidence intervals are compared to the GWPS. Only when the entire confidence interval is above a GWPS is the well/constituent pair considered to exceed its GWPS. If a confidence interval exceeds a GWPS, an SSL exceedance is identified.

USEPA revised the federal CCR Rule on July 30, 2018, updating GWPS for cobalt, lead, lithium, and molybdenum. As described in § 257.95(h)(1-3), the GWPS is defined by the below criteria. These criteria were adopted into the GA EPD Rules for Solid Waste Management 391-3-4-.10 on February 22, 2022.

- (1) The maximum contaminant level (MCL) established under § 141.62 and § 141.66.
- (2) Where an MCL has not been established:
 - (i) Cobalt 0.006 mg/L;
 - (ii) Lead 0.015 mg/L;
 - (iii) Lithium 0.04 mg/L; and
 - (iv) Molybdenum 0.1 mg/L.
- (3) Background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.

Following the above requirements, GWPS have been established for statistical comparison of Appendix IV constituents and are presented in **Table 6**.

4.2 Statistical Analyses Results

Based on review of the Appendix III statistical analysis discussion presented in **Appendix D**, groundwater conditions have not returned to background and assessment monitoring should continue. Based on the statistical analysis of Appendix IV constituents, select Appendix IV constituents exceeded the GWPS during the annual reporting period:

4.2.1 January 2023 Data

- Arsenic: BGWC-34D
- Cobalt: BGWC-22
- Molybdenum: BGWC-43D

Wells with SSLs were further evaluated using the Sen's Slope/Mann Kendall trend test (**Appendix D**). A statistically significant increasing trend of cobalt was identified in BGWC-22 during the January 2023 period. No statistically significant trends were identified for arsenic in BGWC-34D and molybdenum in BGWC-43D.

4.2.2 August 2023 Data

- Arsenic: BGWC-34D
- Cobalt: BGWC-22
- Molybdenum: BGWC-43D

Wells with SSLs were further evaluated using the Sen's Slope/Mann Kendall trend test (**Appendix D**). A statistically significant increasing trend of cobalt was identified in BGWC-22 during the August 2023 period. No statistically significant trends were identified for arsenic in BGWC-34D and molybdenum in BGWC-43D.

4.2.3 Summary of Statistical Analyses

The SSLs identified for the annual reporting period are generally consistent with the 2022 annual reporting period, with the following exceptions:

- No SSL of arsenic was identified in BGWC-37D. The SSL of arsenic in BGWC-37D was first identified after the July/August 2022 semiannual event and was determined to be caused by an error in statistical evaluation instead of a release from AP-1. An ASD was submitted on May 1, 2023, to address this SSL. The concentration of arsenic was below the GWPS during the January and August 2023 semiannual events.

The arsenic SSL in BGWC-34D is addressed with the ASD submitted with the *2020 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2021a) and approved by GA EPD on August 18, 2021, as explained in Section 5 below.

5.0 NATURE AND EXTENT

Based on the groundwater data presented herein, the SSL of cobalt associated with BGWC-22 is horizontally and vertically delineated to below the GWPS as calculated by confidence intervals (statistical analysis) prepared for assessment wells BGWC-32 and BGWC-35D, respectively. Similarly, the SSL of molybdenum identified in BGWC-43D is horizontally and vertically delineated by BGWC-50D and BGWC-49D, respectively. The groundwater data from the January and August 2023 semiannual assessment monitoring events were used to generate the cobalt and molybdenum iso-concentration maps presented on **Figures 5, 6, 7, and 8**.

Georgia Power will continue to monitor the assessment wells and adaptively manage the Site as new data become available. At this time, concentrations of Appendix IV constituents above the GWPS are delineated to within the property boundary.

5.1 Alternate Source Demonstration

An ASD was prepared and submitted to GA EPD on January 29, 2021, to address the SSL of arsenic in assessment well BGWC-34D (Geosyntec, 2021b). The ASD presented multiple lines of evidence that the arsenic groundwater concentrations detected in BGWC-34D are not associated with a release from AP-1 but are instead caused by a natural source of arsenic in the site-specific rock formation. The arsenic ASD was approved by GA EPD on August 18, 2021.

A second ASD was prepared and submitted to GA EPD on May 1, 2023, to address the arsenic SSL reported for BGWC-37D. The ASD presented multiple lines of evidence that the SSL of arsenic is not associated with a release from AP-1 but is instead caused by an error in statistical evaluation. The ASD is provided in **Appendix E**. Furthermore, the concentration of arsenic was below the GWPS during the last two semiannual assessment monitoring events (January and August 2023).

6.0 MONITORING PROGRAM STATUS

6.1 Assessment Monitoring Status

Pursuant to § 257.96(b), Georgia Power will continue to monitor the groundwater at AP-1 in accordance with the assessment monitoring program regulations of § 257.95 while ACM efforts are implemented to address SSL concentrations of cobalt and molybdenum in select AP-1 wells. Pursuant to § 257.95(g)(1)(iv), the additional assessment wells will continue to be sampled as part of the ongoing assessment groundwater monitoring program.

6.2 Assessment of Corrective Measures

A *Draft Remedy Selection Report* was submitted to GA EPD on February 28, 2023 (Geosyntec, 2023b), in lieu of the *Semiannual Remedy Selection and Design Progress Reports* (semiannual progress reports) previously included in the appendix of the routine annual groundwater monitoring and corrective action reports. The *Draft Remedy Selection Report* was submitted under separate cover and is currently being reviewed by GA EPD. The report summarizes:

- The current groundwater conceptual site model applicable to evaluating groundwater corrective measures proposed in the ACM Report (Geosyntec, 2019b);
- An evaluation of each corrective measure retained for further consideration following the completed investigations; and
- An evaluation of corrective measure options using the comparative criteria such as long- and short-term effectiveness and protectiveness, source control effectiveness, and ease of implementation. The *Draft Remedy Selection Report* presents geochemical approaches (in-situ injections) coupled with monitored natural attenuation as the proposed groundwater remedy for AP-1.

In the interim of GA EPD's review of the *Draft Remedy Selection Report*, Georgia Power initiated a PDI in June 2023 to characterize and refine the proposed in-situ injection treatment area proximal to BGWC-22. Data collected during the PDI will inform the injection pilot study and support remedy selection. Georgia Power will submit a pilot study workplan to GA EPD that summarizes the PDI results and any additional data to support corrective action design. Updates concerning the pilot study and any additional

data to support corrective action design will be reported to GA EPD as brief summaries included as part of semiannual groundwater monitoring and corrective action reporting.

6.3 Annual Potable Well Survey

An updated potable well survey of potential groundwater wells within a two-mile radius of AP-1 was conducted in November 2023 and consisted of reviewing federal, state, county records, and online sources. A survey conducted by Environmental Data Resources (EDR) is included in **Appendix F**. Additional federal, state, county records and online sources outside of the EDR survey were also reviewed by Geosyntec. The Bartow County Health Department does not maintain records of private wells, and therefore had no update to provide for the survey. The findings from the 2023 well survey are consistent with the 2022 well survey (Geosyntec, 2023a).

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2023 Annual Groundwater Monitoring and Corrective Action Report* for Plant Bowen AP-1 was prepared to fulfill the requirements of the federal CCR Rule and GA EPD Rules for Solid Waste Management 391-3-4-.10. Statistical analyses of the groundwater monitoring data for AP-1 for the annual reporting period identified the continued presence of SSLs of arsenic in BGWC-34D, cobalt in BGWC-22, and molybdenum in BGWC-43D. Based on the most current groundwater quality, the SSLs are vertically and horizontally delineated to below their respective GWPS within the property boundary, or resolved with a previously approved or recently submitted ASD (Geosyntec, 2021b; Geosyntec, 2023c).

Georgia Power will continue to monitor AP-1 groundwater under the assessment monitoring program as aspects of the ACM program are implemented to address the Appendix IV SSLs. A *Draft Remedy Selection Report*, which summarizes the evaluation and proposed selection of a corrective measure, or measures, was submitted to GA EPD in February 2023 (Geosyntec, 2023b). The next routine semiannual assessment monitoring event for AP-1 is tentatively scheduled for February 2023. Progress made regarding the corrective action design evaluation will be documented in the next groundwater monitoring and corrective action report.

8.0 REFERENCES

Anchor QEA, 2017. Statistical Analysis Method Certification – 40 C.F.R. § 257.93(f) – Plant Bowen Ash Pond (AP-1) – Georgia Power Company. October 2017.

Anchor QEA, 2018. 2017 Annual Groundwater Monitoring and Corrective Action Report – Plant Bowen Ash Pond 1 (AP-1). January 2018.

Geosyntec, 2019a. 2018 Annual Groundwater Monitoring and Corrective Action Report – Plant Bowen Ash Pond 1 (AP-1). January 2019.

Geosyntec, 2019b. Assessment of Corrective Measures Report – Plant Bowen Ash Pond 1 (AP-1). June 2019.

Geosyntec, 2020. Statistical Analysis Method Certification (REV 01) – Georgia Rule 391-3-4-.10(6) and 40 CFR § 257.93(f) – Plant Bowen Ash Pond 1 – Georgia Power Company. January 2020.

Geosyntec, 2021a. 2020 Annual Groundwater Monitoring and Corrective Action Report – Plant Bowen Ash Pond 1 (AP-1). January 2021.

Geosyntec, 2021b. Alternate Source Demonstration – Arsenic, Plant Bowen – Ash Pond 1 (AP-1). January 2021.

Geosyntec, 2021c. Hydrogeologic Assessment Report (Revision 3) Ash Pond 1 Plant Bowen. June 2021.

Geosyntec, 2023a. 2022 Annual Groundwater Monitoring and Corrective Action Report – Plant Bowen Ash Pond 1 (AP-1). January 2023.

Geosyntec, 2023b. Draft Remedy Selection Report, Georgia Power Company, Plant Bowen Ash Pond 1 (AP-1). February 2023.

Geosyntec, 2023c. Alternate Source Demonstration – Arsenic, Plant Bowen – Ash Pond 1 (AP-1). May 2023.

Lawton, D.E., Marsalis, W.E., and others (1976). Geologic Map of Georgia: Georgia Geological Survey, scale = 1: 500,000. 1976.

Sanitas: Groundwater Statistical Software, v. 9.6.26, 2018. Sanitas Technologies[®], Boulder, Colorado.

USEPA, 2009. *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. Office of Resource Conservation and Recovery – Program Implementation and Information Division. March 2009.

USEPA, 2011. *Region IV Data Validation Standard Operating Procedures*. Science and Ecosystem Support Division. Region IV. Athens, GA. September 2011.

USEPA, 2017. *National Functional Guidelines for Inorganic Superfund Methods Data Review*. Office of Superfund Remediation and Technology Innovation. OLEM 9355.0-135 [EPA-540-R-2017-001]. Washington, DC. January 2017.

TABLES

Table 1
Monitoring Well Network Summary
Plant Bowen AP-1, Bartow County, Georgia

Well ID	Hydraulic Location	Installation Date	Northing ⁽¹⁾	Easting ⁽¹⁾	Ground Surface Elevation (ft)	Top of Casing Elevation ⁽²⁾ (ft)	Top of Screen Elevation ⁽²⁾ (ft)	Bottom of Screen Elevation ⁽²⁾ (ft)	Well Depth (ft BTOC) ⁽³⁾	Screen Interval Length
Detection Monitoring Well										
BGWA-2	Upgradient	10/29/2015	1499374.18	2068599.59	727.00	729.69	650.49	640.49	89.40	10
BGWA-29	Upgradient	8/7/2016	1498283.04	2066362.32	718.84	721.38	632.88	622.88	98.80	10
BGWA-33	Upgradient	7/10/2018	1497972.13	2064876.80	740.50	743.25	672.80	662.80	80.75	10
BGWA-47D	Upgradient	5/13/2020	1499377.79	2068612.48	726.93	729.61	585.90	575.90	154.04	10
BGWA-48D	Upgradient	5/16/2020	1499380.09	2068623.31	726.64	729.38	544.97	534.97	194.74	10
BGWC-7	Downgradient	10/1/2015	1504711.59	2066801.40	702.49	705.38	625.18	615.18	90.50	10
BGWC-8	Downgradient	11/18/2015	1504671.82	2066929.46	703.71	706.43	636.83	626.83	79.90	10
BGWC-9	Downgradient	11/13/2015	1504909.12	2066143.27	689.18	691.93	638.33	628.33	63.90	10
BGWC-10	Downgradient	10/7/2015	1505033.22	2066081.09	683.39	686.06	633.66	623.66	62.70	10
BGWC-12	Downgradient	10/21/2015	1505279.88	2065908.56	691.71	694.41	626.01	616.01	78.70	10
BGWC-14A	Downgradient	5/4/2020	1505398.54	2065015.98	715.57	718.33	629.57	619.57	98.76	10
BGWC-16	Downgradient	11/12/2015	1504656.42	2064247.67	671.65	674.31	635.31	625.31	49.30	10
BGWC-17	Downgradient	11/17/2015	1504432.00	2064259.38	671.25	673.65	615.35	605.35	68.60	10
BGWC-18	Downgradient	10/13/2015	1504118.73	2064257.00	670.32	672.88	645.08	635.08	38.10	10
BGWC-19	Downgradient	10/12/2015	1503742.25	2064244.66	671.04	673.61	628.91	618.91	55.00	10
BGWC-20	Downgradient	10/9/2015	1503367.73	2064259.55	672.29	675.14	635.14	625.14	50.30	10
BGWC-21	Downgradient	3/2/2016	1501627.51	2064348.09	688.53	691.33	648.83	638.63	53.10	10
BGWC-22	Downgradient	10/8/2015	1501323.76	2064358.05	692.64	695.50	662.60	652.60	43.20	10
BGWC-23	Downgradient	10/15/2015	1501000.57	2064350.17	693.16	695.50	654.30	644.30	51.50	10
BGWC-24	Downgradient	10/27/2015	1500621.22	2065032.84	699.46	702.27	646.27	636.27	66.30	10
BGWC-25	Downgradient	3/3/2016	1502292.73	2064244.10	677.60	680.47	632.87	622.87	57.90	10
BGWC-30	Downgradient	1/4/2017	1499815.93	2066395.86	698.39	701.06	651.58	641.58	59.78	10
BGWC-51	Downgradient	1/22/2021	1500270.09	2065455.80	708.99	711.49	654.57	644.57	67.25	10
BGWC-52	Downgradient	1/21/2021	1500156.97	2065764.13	707.77	710.75	638.88	628.88	82.20	10
Assessment Monitoring Well										
BGWA-6	Downgradient	11/6/2015	1499262.01	2065797.30	714.49	716.93	663.93	653.93	63.30	10
BGWC-31	Downgradient	7/17/2018	1503497.94	2064022.71	668.12	670.54	629.45	619.45	51.42	10
BGWC-32	Downgradient	7/18/2018	1501252.25	2064184.30	696.36	699.36	658.50	648.50	51.19	10
BGWC-34D	Downgradient	7/13/2018	1503356.51	2064257.95	672.25	675.17	606.07	596.07	79.43	10
BGWC-35D	Downgradient	7/12/2018	1501312.20	2064358.63	693.13	695.73	625.47	615.47	80.59	10
BGWC-36D	Downgradient	7/2/2018	1499807.51	2066415.10	698.07	701.01	614.89	604.89	96.45	10
BGWC-37D	Downgradient	4/25/2019	1501293.16	2064362.70	693.50	696.05	595.83	585.83	110.55	10
BGWC-38D	Downgradient	4/18/2019	1499802.36	2066430.17	697.52	700.34	584.86	574.86	125.81	10
BGWC-39	Downgradient	12/6/2019	1501241.94	2064095.41	676.58	679.12	661.91	651.91	27.54	10
BGWC-40	Downgradient	12/3/2019	1500589.93	2064317.38	687.12	689.59	635.45	625.45	64.47	10
BGWC-41D	Downgradient	4/27/2020	1501255.96	2064096.23	676.43	679.12	631.76	621.76	57.69	10
BGWC-42D	Downgradient	5/3/2020	1501280.52	2064365.25	693.98	696.90	553.31	543.31	153.92	10
BGWC-43D	Downgradient	4/24/2020	1499796.86	2066444.37	697.29	700.10	544.62	534.62	165.81	10
BGWC-44D	Downgradient	4/22/2020	1499265.15	2065811.06	714.65	717.30	584.99	574.99	142.64	10
BGWC-49D	Downgradient	2/23/2021	1499790.13	2066461.96	696.95	699.75	398.95	388.95	311.13	10
BGWC-50D	Downgradient	3/19/2021	1499269.15	2065781.87	714.68	717.43	544.68	534.68	183.09	10

Table 1
Monitoring Well Network Summary
Plant Bowen AP-1, Bartow County, Georgia

Well ID	Hydraulic Location	Installation Date	Northing ⁽¹⁾	Easting ⁽¹⁾	Ground Surface Elevation (ft)	Top of Casing Elevation ⁽²⁾ (ft)	Top of Screen Elevation ⁽²⁾ (ft)	Bottom of Screen Elevation ⁽²⁾ (ft)	Well Depth (ft BTOC) ⁽³⁾	Screen Interval Length
<i>Piezometer</i>										
BGWA-1	Downgradient	11/17/2015	1499101.23	2067205.48	718.33	720.90	672.00	662.00	59.20	10
BGWA-3	Downgradient	11/5/2015	1499420.87	2065185.74	721.80	724.28	645.08	635.08	89.50	10
BGWA-4	Downgradient	3/4/2016	1499485.38	2064697.89	726.05	728.67	660.37	650.37	78.60	10
BGWA-5	Downgradient	11/3/2015	1499434.58	2065421.43	718.53	720.92	661.52	651.52	69.70	10
BGWC-11	Downgradient	10/16/2015	1504998.94	2066093.83	683.91	686.50	619.20	609.20	77.60	10
BGWC-13	Downgradient	10/21/2015	1505435.29	2065251.21	714.77	717.43	653.83	643.83	73.90	10
BGWC-15	Downgradient	10/20/2015	1505278.19	2064732.18	715.39	717.92	654.52	644.52	73.70	10
BGWA-26	Downgradient	8/5/2016	1498697.63	2064189.94	726.09	728.65	663.55	653.55	75.40	10
BGWA-27	Downgradient	8/6/2016	1498719.14	2064387.54	732.50	735.25	652.05	642.05	93.50	10
BGWA-28	Downgradient	8/7/2016	1498749.21	2064577.55	734.88	737.45	661.35	651.35	86.40	10
PT-02	Downgradient	7/25/2023	1501336.13	2064340.03	692.06	694.95	661.63	651.63	43.65	10
PT-03	Downgradient	12/15/2023	1501296.82	2064344.95	693.05	696.05	663.24	653.24	43.14	10
PZ-1	Downgradient	6/23/2016	1505600.54	2066844.10	675.35	677.87	630.65	620.65	57.52	10
PZ-2	Downgradient	6/24/2016	1503856.86	2062938.81	665.92	668.25	649.22	639.22	30.20	10
PZ-3	Downgradient	6/22/2016	1505723.97	2066071.08	705.34	707.97	658.64	648.64	59.60	10
PZ-4	Downgradient	6/23/2016	1505788.58	2064316.61	715.96	718.74	669.26	659.26	59.78	10
PZ-5	Downgradient	12/4/2019	1499885.63	2063961.22	697.23	700.12	650.53	640.53	59.89	10
PZ-6	Downgradient	12/8/2019	1500379.48	2063242.81	675.50	678.32	650.80	640.80	37.82	10
PZ-7	Downgradient	3/9/2022	1504679.33	2064125.75	672.43	675.51	636.54	626.54	49.30	10
PZ-8	Downgradient	3/9/2022	1504818.66	2064241.49	677.75	680.72	641.74	631.74	49.31	10

Notes:

ft = feet

ft BTOC = feet below top of casing

- (1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey completed by GEL Solutions obtained June 10, 2020. Survey for wells BGWC-51 and BGWC-52 was obtained January 28, 2021. Survey for wells BGWC-49D and BGWC-50D was obtained March 25, 2021. Survey for wells PZ-7 and PZ-8 was obtained April 11, 2022. Survey for well PT-02 obtained November 20, 2023. Survey for well PT-03 obtained December 21, 2023.
- (2) Elevations referenced to the North American Vertical Datum of 1988 (NAVD88). Survey completed by GEL Solutions obtained June 10, 2020. Survey for wells BGWC-51 and BGWC-52 was obtained January 28, 2021. Survey for wells BGWC-49D and BGWC-50D was obtained March 25, 2021. Survey for wells PZ-7 and PZ-8 was obtained April 11, 2022. Survey for well PT-02 obtained November 20, 2023. Survey for well PT-03 obtained December 21, 2023.
- (3) Total well depth accounts for sump if data provided on well construction logs.

Table 2
Groundwater Sampling Event Summary
Plant Bowen AP-1, Bartow County, Georgia

Well ID	Hydraulic Location	January 24 - February 7, 2023	May 10, 2023	August 15 - 25, 2023	Status of Monitoring Well
Purpose of Sampling Event:		Semiannual	Supplemental	Semiannual	
<i>Detection Monitoring Well</i>					
BGWA-2	Upgradient	X	--	X	Assessment
BGWA-29	Upgradient	X	--	X	Assessment
BGWA-33	Upgradient	X	--	X	Assessment
BGWA-47D	Upgradient	X	--	X	Assessment
BGWA-48D	Upgradient	X	--	X	Assessment
BGWC-7	Downgradient	X	--	X	Assessment
BGWC-8	Downgradient	X	--	X	Assessment
BGWC-9	Downgradient	X	--	X	Assessment
BGWC-10	Downgradient	X	--	X	Assessment
BGWC-12	Downgradient	X	--	X	Assessment
BGWC-14A	Downgradient	X	--	X	Assessment
BGWC-16	Downgradient	X	--	X	Assessment
BGWC-17	Downgradient	X	--	X	Assessment
BGWC-18	Downgradient	X	--	X	Assessment
BGWC-19	Downgradient	X	--	X	Assessment
BGWC-20	Downgradient	X	--	X	Assessment
BGWC-21	Downgradient	X	--	X	Assessment
BGWC-22	Downgradient	X	--	X	Assessment
BGWC-23	Downgradient	X	X	X	Assessment
BGWC-24	Downgradient	X	--	X	Assessment
BGWC-25	Downgradient	X	--	X	Assessment
BGWC-30	Downgradient	X	--	X	Assessment
BGWC-51	Downgradient	X	--	X	Assessment
BGWC-52	Downgradient	X	--	X	Assessment
<i>Assessment Monitoring Well</i>					
BGWA-6	Downgradient	X	--	X	Assessment
BGWC-31	Downgradient	X	--	X	Assessment
BGWC-32	Downgradient	X	--	X	Assessment
BGWC-34D	Downgradient	X	--	X	Assessment
BGWC-35D	Downgradient	X	--	X	Assessment
BGWC-36D	Downgradient	X	--	X	Assessment
BGWC-37D	Downgradient	X	--	X	Assessment
BGWC-38D	Downgradient	X	--	X	Assessment
BGWC-39	Downgradient	X	--	X	Assessment
BGWC-40	Downgradient	X	--	X	Assessment
BGWC-41D	Downgradient	X	--	X	Assessment
BGWC-42D	Downgradient	X	--	X	Assessment
BGWC-43D	Downgradient	X	--	X	Assessment
BGWC-44D	Downgradient	X	--	X	Assessment
BGWC-49D	Downgradient	X	--	X	Assessment
BGWC-50D	Downgradient	X	--	X	Assessment

Table 3
 Summary of Groundwater and Surface Water Elevations
 Plant Bowen AP-1, Bartow County, Georgia

Well ID	Top of Casing Elevation ⁽¹⁾ (ft)	January 23, 2023		August 14, 2023	
		Depth to Water (ft BTOC)	Groundwater Elevation ⁽¹⁾ (ft)	Depth to Water (ft BTOC)	Groundwater Elevation ⁽¹⁾ (ft)
<i>Detection Monitoring Well</i>					
BGWA-2	729.69	50.19	679.50	63.01	666.68
BGWA-29	721.38	44.51	676.87	54.85	666.53
BGWA-33	743.25	69.43	673.82	77.36	665.89
BGWA-47D	729.61	50.23	679.38	62.83	666.78
BGWA-48D	729.38	50.21	679.17	62.75	666.63
BGWC-7	705.38	41.32	664.06	48.10	657.28
BGWC-8	706.43	41.89	664.54	48.48	657.95
BGWC-9	691.93	25.15	666.78	33.84	658.09
BGWC-10	686.06	22.50	663.56	31.49	654.57
BGWC-12	694.41	34.35	660.06	41.21	653.20
BGWC-14A	718.33	68.58	649.75	71.43	646.90
BGWC-16	674.31	12.61	661.70	16.61	657.70
BGWC-17	673.65	11.46	662.19	15.45	658.20
BGWC-18	672.88	9.10	663.78	13.94	658.94
BGWC-19	673.61	10.22	663.39	12.56	661.05
BGWC-20	675.14	12.76	662.38	15.56	659.58
BGWC-21	691.33	18.99	672.34	26.55	664.78
BGWC-22	695.50	27.27	668.23	30.07	665.43
BGWC-23	695.50	31.61	663.89	32.79	662.71
BGWC-24	702.27	13.82	688.45	20.37	681.90
BGWC-25	680.47	16.74	663.73	21.12	659.35
BGWC-30	701.06	23.73	677.33	34.30	666.76
BGWC-51	711.49	35.28	676.21	44.53	666.96
BGWC-52	710.75	34.61	676.14	44.33	666.42
<i>Assessment Monitoring Well</i>					
BGWA-6	716.93	39.95	676.98	48.83	668.10
BGWC-31	670.54	12.83	657.71	14.95	655.59
BGWC-32	699.36	34.96	664.40	36.99	662.37
BGWC-34D	675.17	12.85	662.32	15.76	659.41
BGWC-35D	695.73	30.06	665.67	32.68	663.05
BGWC-36D	701.01	23.81	677.20	34.39	666.62
BGWC-37D	696.05	30.33	665.72	32.99	663.06
BGWC-38D	700.34	23.16	677.18	33.69	666.65
BGWC-39	679.12	18.92	660.20	19.62	659.50
BGWC-40	689.59	22.16	667.43	25.12	664.47
BGWC-41D	679.12	18.43	660.69	19.57	659.55
BGWC-42D	696.90	31.17	665.73	33.78	663.12
BGWC-43D	700.10	22.96	677.14	33.46	666.64
BGWC-44D	717.30	40.58	676.72	49.68	667.62
BGWC-49D	699.75	23.03	676.72	33.40	666.35
BGWC-50D	717.43	42.07	675.36	51.22	666.21

Table 3
Summary of Groundwater and Surface Water Elevations
Plant Bowen AP-1, Bartow County, Georgia

Well ID	Top of Casing Elevation ⁽¹⁾ (ft)	January 23, 2023		August 14, 2023	
		Depth to Water (ft BTOC)	Groundwater Elevation ⁽¹⁾ (ft)	Depth to Water (ft BTOC)	Groundwater Elevation ⁽¹⁾ (ft)
<i>Piezometer</i>					
BGWA-1	720.90	42.45	678.45	52.22	668.68
BGWA-3	724.28	49.35	674.93	58.24	666.04
BGWA-4 ⁽²⁾	728.67	-	-	62.73	665.94
BGWA-5	720.92	45.49	675.43	54.97	665.95
BGWC-11	686.50	19.31	667.19	27.63	658.87
BGWC-13	717.43	67.34	650.09	67.40	650.03
BGWC-15	717.92	66.21	651.71	66.78	651.14
BGWA-26	728.65	56.76	671.89	64.35	664.30
BGWA-27	735.25	63.36	671.89	70.92	664.33
BGWA-28	737.45	65.43	672.02	72.73	664.72
PZ-1	677.87	28.91	648.96	33.08	644.79
PZ-2	668.25	12.47	655.78	13.73	654.52
PZ-3	707.97	57.99	649.98	Dry	-
PZ-4	718.74	52.71	666.03	59.46	659.28
PZ-5	700.12	28.00	672.12	36.05	664.07
PZ-6	678.32	11.27	667.05	16.14	662.18
PZ-7	675.51	17.03	658.48	20.10	655.41
PZ-8	680.72	22.35	658.37	25.61	655.11
APPZ-3R ⁽³⁾	723.25	45.32	677.93	47.40	675.85
APPZ-5R ⁽³⁾	781.01	118.83	662.18	121.47	659.54
MW-108 ⁽³⁾	715.27	37.62	677.65	47.84	667.43
MW-4A ⁽³⁾	715.08	48.11	666.97	50.98	664.10
<i>Surface Water ⁽⁴⁾</i>					
Etowah River	-	-	645.84	-	643.57
Euharlee Creek ⁽⁵⁾	676.50, 677.19	-	658.06	-	656.34
General Service Water Pond	-	-	706.07	-	705.99

Notes:

- = Not applicable

ft = feet

ft BTOC = feet below top of casing

(1) Elevations referenced to the North American Vertical Datum of 1988 (NAVD88). Survey completed by GEL Solutions obtained June 10, 2020. Survey for wells BGWC-51 and BGWC-52 was obtained January 28, 2021. Survey for wells BGWC-49D and BGWC-50D was obtained March 25, 2021. Survey for piezometers PZ-7, PZ-8, and Euharlee Creek was obtained April 7, 2022. Survey completed by Gunnin Land Surveying for piezometer Euharlee Creek was obtained March 10, 2023.

(2) BGWA-4 was not gauged due to being inaccessible with 6-8 inches of standing water at the time of the gauging event.

(3) Piezometers APPZ-3R, APPZ-5R, MW-108, and MW-4A are not part of the monitoring well network. These piezometers are gauged on a routine basis to supplement data for groundwater contour development.

(4) Surface water elevations of Etowah River, Euharlee Creek, and General Service Water Pond are recorded using In-Situ® Instruments, Inc.'s Win-Situ® or HydroVu® reporting software and Level Troll 500® pressure transducers. The transducer that recorded data for Euharlee Creek is located in a tributary with surface elevations representative of Euharlee Creek conditions.

(5) The Euharlee Creek piezometer was reinstalled by Resolute on 16 February 2023 after being dislodged from the creek bed in January 2023. The Top of Casing Elevations listed are for January 23, 2023, and August 14, 2023, respectively.

Table 4
Horizontal Groundwater Gradient and Flow Velocity Calculations
Plant Bowen AP-1, Bartow County, Georgia

Flow Path Direction ⁽¹⁾	January 23, 2023				August 14, 2023				Average i (ft/ft)
	h ₁ (ft)	h ₂ (ft)	L (ft)	i (ft/ft)	h ₁ (ft)	h ₂ (ft)	L (ft)	i (ft/ft)	
Northwest Flow Path (APPZ-5R to BGWC-14A)	662.18	649.75	1,080	0.012	659.54	646.90	1,080	0.012	0.012
West Flow Path (APPZ-3R to BGWC-25)	677.93	663.73	1,230	0.012	675.85	659.35	1,230	0.013	0.012
South/Southwest Flow Path (BGWC-24 to BGWC-40)	688.45	667.43	770	0.027	681.90	664.47	770	0.023	0.025

Flow Path Direction ⁽¹⁾	Geometric Mean K _h (ft/day)	Maximum K _h (ft/day)	n _e	Average i (ft/ft)	V with Geometric Mean K _h (ft/day) ⁽²⁾	Maximum V (ft/day) ⁽²⁾
Northwest Flow Path (APPZ-5R to BGWC-14A)	2.4	33	0.3	0.012	0.09	1.28
West Flow Path (APPZ-3R to BGWC-25)	2.4	33	0.3	0.012	0.10	1.37
South/Southwest Flow Path (BGWC-24 to BGWC-40)	2.4	33	0.3	0.025	0.20	2.75

Notes:

ft = feet

ft/day = feet per day

ft/ft = feet per foot

h₁ and h₂ = groundwater elevation at location 1 and 2

i = h₁-h₂/L = horizontal hydraulic gradient

K_h = horizontal hydraulic conductivity

L = distance between location 1 and 2 along the flow path

n_e = effective porosity

V = groundwater flow velocity

(1) Flow path direction relative to the orientation of AP-1 and illustrated on Figure 3 of associated report.

(2) Groundwater flow velocity equation: $V = [K_h * i] / n_e$

Table 5
Summary of Groundwater Analytical Data
Plant Bowen AP-1, Bartow County, Georgia

Well ID:	BGWA-2	BGWA-2	BGWA-29	BGWA-29	BGWA-33	BGWA-33	BGWA-47D	BGWA-47D	BGWA-48D	BGWA-48D	BGWC-7	BGWC-7	BGWC-8	BGWC-8	BGWC-9	BGWC-9		
Sample Date:	1/24/2023	8/21/2023	1/24/2023	8/16/2023	2/2/2023	8/23/2023	1/24/2023	8/15/2023	1/24/2023	8/16/2023	1/26/2023	8/17/2023	1/26/2023	8/16/2023	1/26/2023	8/17/2023		
Parameter ^(1,2)																		
APPENDIX III	Boron	0.010 J	<0.0086	<0.0086	<0.0086	0.0092 J	<0.0086	0.016 J	0.034 J	0.014 J	0.010 J	1.0	1.0	0.051	0.034 J	0.41	0.56	
	Calcium	51.4	49.5	21.0	20.9	81.4	85.0	109	102	40.7	37.7	146	125	42.8	38.8	62.4	66.9	
	Chloride	3.4	2.9	1.5	1.3	3.4	2.0	5.2	4.9	4.3	4.3	7.5	8.0	1.7	1.7	7.5	10.7	
	Fluoride	0.055 J	<0.050	0.052 J	0.060 J	0.077 J	0.056 J	0.050 J	0.060 J	0.076 J	0.075 J	0.15	0.14	0.063 J	0.064 J	0.090 J	0.091 J	
	pH ⁽³⁾	7.32	7.18	7.77	7.30	6.70	6.44	6.72	6.62	7.32	6.94	6.63	6.79	7.34	7.36	7.04	6.79	
	Sulfate	12.5	14.4	1.4	3.8	7.3	20.5	67.2	65.7	22.4	23.0	253	207	24.3	21.0	63.6	87.3	
	TDS	223	243	129	101	368	351	391	399	280	267	657	702	190	189	301	393	
APPENDIX IV	Antimony	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	
	Arsenic	<0.0022	<0.0037	<0.0022	<0.0037	0.010	0.0048 J	<0.0022	<0.0037	<0.0022	<0.0037	0.0025 J	0.0041 J	<0.0022	<0.0037	<0.0022	<0.0037	
	Barium	0.10	0.11	0.012	0.015	0.085	0.050	0.059	0.055	0.024	0.030	0.029	0.027	0.029	0.027	0.027	0.030	
	Beryllium	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	
	Cadmium	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	
	Chromium	0.0011 J	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0014 J	<0.0011	0.0021 J	<0.0011
	Cobalt	<0.00039	<0.00039	<0.00039	<0.00039	0.00051 J	0.00059 J	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	0.00068 J	0.00066 J	<0.00039	<0.00039	<0.00039	<0.00039
	Fluoride	0.055 J	<0.050	0.052 J	0.060 J	0.077 J	0.056 J	0.050 J	0.060 J	0.076 J	0.075 J	0.15	0.14	0.063 J	0.064 J	0.090 J	0.091 J	
	Lead	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	
	Lithium	<0.00073	<0.00073	<0.00073	0.00086 J	<0.00073	<0.00073	<0.00073	<0.00073	<0.00073	<0.00073	0.0065 J	0.0059 J	<0.00073	<0.00073	0.0018 J	0.0015 J	
	Mercury	<0.00013	<0.00012	<0.00013	<0.00013	<0.00013	<0.00012	0.00022	<0.00013	<0.00013	<0.00013	<0.00013	<0.00012	<0.00013	<0.00013	0.00013 J	<0.00012	
	Molybdenum	<0.00074	<0.00074	<0.00074	<0.00074	0.0077 J	0.0085 J	<0.00074	<0.00074	0.0070 J	0.0040 J	0.0096 J	0.011	0.00095 J	<0.00074	0.0020 J	0.0039 J	
	Comb. Radium 226/228	1.52	0.561 U	0.711 U	0.252 U	1.21	1.19	0.955 U	0.758 U	0.589 U	0.578 U	1.73	1.45	0.629 U	0.791 U	0.248 U	0.711 U	
Selenium	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.0015 J	0.0015 J	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.0015 J	0.0015 J		
Thallium	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.00019 J	0.00074 J	<0.00018	<0.00018	0.00018 J	0.00020 J		
GEOCHEM	Bicarbonate Alkalinity	213	--	92.1	--	367	--	301	--	226	--	307	--	155	--	216	--	
	Iron	0.079	--	0.027 J	--	2.2	--	0.033 J	--	0.15	--	0.63	--	0.055	--	0.28	--	
	Magnesium	21.5	--	10.7	--	32.8	--	21.2	--	12.2	--	44.9	--	14.3	--	24.8	--	
	Manganese	0.0051 J	--	0.0056 J	--	0.090	--	0.0099 J	--	0.018 J	--	0.024 J	--	<0.0043	--	0.028 J	--	
	Potassium	1.7	--	0.63	--	3.7	--	1.6	--	1.3	--	3.6	--	2.9	--	2.6	--	
Sodium	3.1	--	2.7	--	6.3	--	5.4	--	54.2	--	22.5	--	4.8	--	11.6	--		

Notes:

-- = Parameter was not analyzed

J = Indicates the parameter was estimated and detected between the method detection limit (MDL) and the reporting limit (RL)

< = Indicates the parameter was not detected above the analytical MDL

TDS = total dissolved solids

U = Indicates the parameter was not detected above the analytical minimum detectable concentration (MDC) (Specific to combined radium 226/228)

(1) Appendix III/IV parameter per 40 CFR 257 Subpart D. Parameters are reported in units of milligrams per liter (mg/L), except for pH reported as s.u. (standard units) and combined radium reported as picocuries per liter (pCi/L).

(2) Metals were analyzed by EPA Method 6010D, 6020B, and 7470A, anions were analyzed by EPA Method 300.0, TDS was analyzed by SM2540C-2015, alkalinity was analyzed by Standard Method 2320B-2011, and combined radium 226/228 was analyzed by EPA Method 9315 and 9320.

(3) The pH value presented was recorded at the time of sample collection in the field.

Table 5
Summary of Groundwater Analytical Data
Plant Bowen AP-1, Bartow County, Georgia

Well ID:	BGWC-10	BGWC-10	BGWC-12	BGWC-12	BGWC-14A	BGWC-14A	BGWC-16	BGWC-16	BGWC-17	BGWC-17	BGWC-18	BGWC-18	BGWC-19	BGWC-19	BGWC-20	BGWC-20		
Sample Date:	1/27/2023	8/17/2023	1/26/2023	8/16/2023	1/26/2023	8/16/2023	1/26/2023	8/17/2023	1/26/2023	8/17/2023	1/26/2023	8/17/2023	1/27/2023	8/18/2023	1/30/2023	8/18/2023		
Parameter ^(1,2)																		
APPENDIX III	Boron	0.53	0.57	1.3	1.4	0.69	1.7	1.6	1.9	1.0	1.3	0.45	0.64	0.18	0.39	4.7	4.8	
	Calcium	64.0	62.2	178	178	117	196	178	187	76.2	75.4	41.4	57.0	39.3	56.5	309	309	
	Chloride	28.2	29.2	14.5	13.7	10.9	18.2	18.3	18.2	34.0	39.5	5.9	12.6	3.1	5.9	156	145	
	Fluoride	0.058 J	0.050 J	0.083 J	0.089 J	0.084 J	0.076 J	0.091 J	0.074 J	0.13	0.12	0.056 J	0.056 J	0.077 J	0.077 J	0.064 J	0.068 J	
	pH ⁽³⁾	7.02	7.18	6.68	6.70	6.91	6.56	6.56	6.22	7.21	6.90	6.20	6.23	6.61	6.43	7.18	6.84	
	Sulfate	97.3	95	463	398	213	486	490	453	110	116	58.3	60.8	38.2	66.0	622	612	
	TDS	380	398	995	1050	554	1090	895	977	396	438	197	303	200	318	1280	1490	
APPENDIX IV	Antimony	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	
	Arsenic	<0.0022	0.0062	<0.0022	<0.0037	<0.0022	<0.0037	<0.0022	<0.0037	<0.0022	<0.0037	<0.0022	<0.0037	<0.0022	<0.0037	<0.0022	0.0045 J	
	Barium	0.040	0.039	0.052	0.049	0.025	0.041	0.033	0.034	0.015	0.015	0.034	0.033	0.023	0.034	0.036	0.035	
	Beryllium	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	0.00015 J	0.00017 J	<0.000054	0.000057 J	0.00010 J	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	
	Cadmium	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00057	0.0021	0.0020	<0.00011	0.00028 J	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	
	Chromium	<0.0011	<0.0011	0.0018 J	<0.0011	0.0014 J	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	
	Cobalt	0.00051 J	0.00043 J	0.00045 J	<0.00039	0.0033 J	0.0017 J	0.0098	0.011	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	
	Fluoride	0.058 J	0.050 J	0.083 J	0.089 J	0.084 J	0.076 J	0.091 J	0.074 J	0.13	0.12	0.056 J	0.056 J	0.077 J	0.077 J	0.064 J	0.068 J	
	Lead	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	0.00041 J	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	
	Lithium	0.00082 J	<0.00073	0.0013 J	0.0016 J	0.00077 J	0.0016 J	<0.00073	<0.00073	<0.00073	<0.00073	<0.00073	<0.00073	<0.00073	<0.00073	<0.00073	0.059	0.078
	Mercury	0.00018 J	<0.00012	0.00013 J	<0.00013	<0.00013	<0.00013	0.00015 J	<0.00012	0.00027	0.00031	<0.00013	<0.00012	0.00018 J	<0.00012	<0.00013	<0.00012	
	Molybdenum	0.0025 J	0.0025 J	<0.00074	<0.00074	0.0016 J	0.0016 J	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	0.035	0.054
	Comb. Radium 226/228	1.82	0.942 U	0.664 U	0.621 U	1.31	0.263 U	1.21 U	1.21 U	1.02 U	1.04 U	1.46	1.16 U	1.16	1.49 U	0.563 U	0.256 U	
Selenium	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.0024 J	0.0015 J	<0.0014	<0.0014	0.0022 J	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014		
Thallium	<0.00018	<0.00018	<0.00018	<0.00018	0.00048 J	0.00059 J	0.00023 J	0.00025 J	<0.00018	<0.00018	0.00019 J	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018		
GEOCHEM	Bicarbonate Alkalinity	178	--	318	--	243	--	138	--	158	--	102	--	132	--	104	--	
	Iron	0.26	--	0.026 J	--	0.084	--	0.052	--	0.030 J	--	<0.025	--	0.14	--	0.18	--	
	Magnesium	28.1	--	61.2	--	35.6	--	30.5	--	27.9	--	16.0	--	15.3	--	46.3	--	
	Manganese	0.035 J	--	0.0049 J	--	0.33	--	3.9	--	0.076	--	<0.0043	--	0.0056 J	--	0.77	--	
	Potassium	2.1	--	3.5	--	4.3	--	5.7	--	2.4	--	1.6	--	2.3	--	8.4	--	
	Sodium	17.3	--	39.8	--	16.6	--	38.8	--	10.1	--	2.5	--	1.3	--	31.4	--	

Table 5
Summary of Groundwater Analytical Data
Plant Bowen AP-1, Bartow County, Georgia

Well ID:	BGWC-21	BGWC-21	BGWC-22	BGWC-22	BGWC-23	BGWC-23	BGWC-23	BGWC-24	BGWC-24	BGWC-25	BGWC-25	BGWC-30	BGWC-30	BGWA-6	BGWA-6	BGWC-31	BGWC-31	
Sample Date:	1/27/2023	8/23/2023	2/7/2023	8/22/2023	2/2/2023	5/10/2023	8/23/2023	2/1/2023	8/25/2023	1/27/2023	8/17/2023	2/1/2023	8/21/2023	1/25/2023	8/15/2023	1/27/2023	8/18/2023	
Parameter ^(1,2)																		
APPENDIX III	Boron	0.026 J	0.026 J	16.9	19.6	13.1	--	8.7	18.4	16.9	0.029 J	0.075	3.2	2.3	0.020 J	0.012 J	0.74	0.87
	Calcium	46.5	43.9	583	793	543	--	332	552	486	48.8	48.1	113	98.8	68.4	61.4	75.9	74.5
	Chloride	6.1	5.0	803	1020	737	--	439	789	641	5.4	11.4	154	97.6	10.1	8.0	30.0	30.3
	Fluoride	<0.050	<0.050	0.26	0.23	0.074 J	--	<0.050	0.18	0.15	0.053 J	<0.050	0.092 J	0.065 J	0.066 J	<0.050	<0.050	<0.050
	pH ⁽³⁾	7.76	6.96	6.44	6.40	6.80	6.74	6.69	6.68	6.36	7.14	6.97	7.15	7.00	6.87	6.93	6.80	6.89
	Sulfate	55.3	46.4	707	748	514	--	320	395	337	24.1	20.2	75.5	54.0	15.5	18.2	126	119
	TDS	342	268	2490	3940	2680	--	1620	2550	2120	310	250	745	611	312	309	433	454
APPENDIX IV	Antimony	<0.00078	<0.0012	<0.00078	<0.0012	0.0070	0.0032	<0.0012	<0.00078	0.0021 J	<0.00078	<0.0012	<0.00078	<0.0012	0.0017 J	<0.0012	<0.00078	<0.0012
	Arsenic	<0.0022	<0.0037	0.0028 J	0.0095	0.010	--	0.0062	0.0042 J	0.0081	<0.0022	<0.0037	0.0024 J	<0.0037	<0.0022	<0.0037	0.0035 J	0.0054
	Barium	0.021	0.036	0.058	0.068	0.088	--	0.060	0.052	0.045	0.015	0.013	0.062	0.051	0.064	0.014	0.042	0.041
	Beryllium	<0.000054	<0.000054	0.00013 J	0.00014 J	<0.000054	--	<0.000054	0.00031 J	0.00024 J	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054
	Cadmium	<0.00011	<0.00011	0.0010	0.00091	<0.00011	--	<0.00011	0.0032	0.0033	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
	Chromium	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	--	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	Cobalt	0.0021 J	0.0040 J	0.017	0.030	<0.00039	--	<0.00039	0.0024 J	0.0023 J	<0.00039	<0.00039	<0.00039	<0.00039	0.00074 J	<0.00039	<0.00039	<0.00039
	Fluoride	<0.050	<0.050	0.26	0.23	0.074 J	--	<0.050	0.18	0.15	0.053 J	<0.050	0.092 J	0.065 J	0.066 J	<0.050	<0.050	<0.050
	Lead	<0.00089	<0.00012	<0.00089	0.00014 J	<0.00089	--	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	0.00017 J	<0.00089	<0.00012	<0.00089	0.00024 J
	Lithium	<0.00073	<0.00073	0.018 J	0.021 J	0.025 J	--	0.016 J	0.0063 J	0.0058 J	<0.00073	<0.00073	0.0018 J	0.0012 J	<0.00073	<0.00073	<0.00073	<0.00073
	Mercury	0.00021	<0.00012	<0.00013	<0.00012	<0.00013	--	0.00013 J	0.00059	0.0023	0.00015 J	<0.00012	<0.00013	<0.00012	<0.00013	<0.00013	0.00014 J	<0.00012
	Molybdenum	0.0030 J	0.0027 J	0.032	0.036	0.0078 J	--	0.0060 J	<0.00074	<0.00074	<0.00074	<0.00074	0.0058 J	0.0048 J	<0.00074	<0.00074	<0.00074	<0.00074
	Comb. Radium 226/228	0.280 U	0.704 U	1.45	2.43	0.783 U	--	0.799 U	1.30	1.63 U	0.768 U	0.909 U	0.936	0.986 U	0.723	0.409 U	1.46	1.82
Selenium	<0.0014	<0.0014	0.0016 J	0.0017 J	0.0019 J	--	<0.0014	0.0060	0.0049 J	<0.0014	<0.0014	0.010	0.0065	<0.0014	<0.0014	<0.0014	<0.0014	
Thallium	<0.00018	<0.00018	0.00080 J	0.0013	0.00027 J	--	<0.00018	0.00035 J	0.00028 J	<0.00018	<0.00018	<0.00018	<0.00018	0.00022 J	<0.00018	<0.00018	<0.00018	
GEOCHEM	Bicarbonate Alkalinity	172	--	85.3	--	140	--	--	146	--	242	--	161	--	305	--	219	--
	Iron	0.12	--	0.072	--	0.28	--	--	<0.025	--	0.44	--	0.16	--	0.23	--	1.9	--
	Magnesium	26.4	--	81.1	--	114	--	--	75.5	--	23.2	--	36.0	--	31.0	--	36.4	--
	Manganese	0.0068 J	--	5.1	--	0.25	--	--	2.4	--	0.24	--	0.0090 J	--	0.28	--	0.15	--
	Potassium	1.5	--	13.5	--	9.0	--	--	7.4	--	0.80	--	2.8	--	1.1	--	1.4	--
	Sodium	2.1	--	33.3	--	32.1	--	--	13.1	--	4.7	--	5.8	--	9.3	--	7.8	--

Table 5
Summary of Groundwater Analytical Data
Plant Bowen AP-1, Bartow County, Georgia

Well ID:	BGWC-32	BGWC-32	BGWC-34D	BGWC-34D	BGWC-35D	BGWC-35D	BGWC-36D	BGWC-36D	BGWC-37D	BGWC-37D	BGWC-38D	BGWC-38D	BGWC-39	BGWC-39	BGWC-40	BGWC-40		
Sample Date:	1/31/2023	8/18/2023	1/30/2023	8/18/2023	1/30/2023	8/24/2023	2/1/2023	8/21/2023	1/30/2023	8/24/2023	2/7/2023	8/21/2023	2/2/2023	8/23/2023	1/31/2023	8/18/2023		
Parameter ^(1,2)																		
APPENDIX III	Boron	4.2	2.1	0.45	0.47	13.8	12.3	3.8	4.2	1.4	1.6	1.8	4.1	5.1	10.5	3.0	2.4	
	Calcium	256	172	121	113	607	584	132	159	112	120	61.3	110	267	495	133	114	
	Chloride	298	193	45.7	43.1	851	740	240	225	152	157	93.7	153	224	551	123	94.2	
	Fluoride	0.13	0.14	0.060 J	0.052 J	0.17	0.10	0.13	0.11	0.16	0.14	0.11	0.12	0.098 J	0.11	0.084 J	0.089 J	
	pH ⁽³⁾	7.18	6.84	7.15	6.62	6.75	6.80	6.64	6.89	7.21	6.98	5.99	5.74	6.93	6.71	6.86	6.91	
	Sulfate	300	189	163	143	687	630	118	117	136	146	42.6	96.3	226	447	128	110	
	TDS	1240	1080	593	560	2720	2730	948	975	720	690	348	774	1220	1910	671	672	
APPENDIX IV	Antimony	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	0.00082 J	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	
	Arsenic	0.0040 J	0.0039 J	0.014	0.016	0.0050 J	0.016	0.0032 J	0.0062	0.0074	0.0086	<0.0022	0.0051	0.0048 J	0.01	0.0022 J	<0.0037	
	Barium	0.10	0.079	0.055	0.052	0.059	0.056	0.058	0.060	0.087	0.095	0.11	0.10	0.039	0.072	0.047	0.038	
	Beryllium	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	0.000087 J	<0.00027	<0.000054	<0.000054	<0.000054	<0.000054	
	Cadmium	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.00017 J	<0.00011	<0.00011
	Chromium	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0050 J	<0.0011
	Cobalt	0.0029 J	0.0010 J	0.0014 J	0.0014 J	0.0029 J	0.0017 J	<0.00039	<0.00039	<0.00039	<0.00039	0.0014 J	0.0017 J	<0.00039	<0.00039	0.00046 J	<0.00039	
	Fluoride	0.13	0.14	0.060 J	0.052 J	0.17	0.10	0.13	0.11	0.16	0.14	0.11	0.12	0.098 J	0.11	0.084 J	0.089 J	
	Lead	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	0.00014 J	<0.00089	0.00014 J	<0.00089	<0.00012	<0.00089	<0.00012	
	Lithium	<0.00073	<0.00073	<0.00073	<0.00073	0.021 J	0.023 J	0.0013 J	0.0012 J	0.0025 J	0.0030 J	0.0011 J	<0.0036	0.0029 J	0.0034 J	<0.00073	<0.00073	
	Mercury	<0.00013	<0.00012	0.00016 J	<0.00012	0.00014 J	<0.00012	<0.00013	0.00016 J	<0.00013	<0.00012	<0.00013	0.00057	<0.00013	<0.00012	<0.00013	<0.00012	
	Molybdenum	0.0039 J	0.0041 J	0.0011 J	0.0011 J	0.035	0.034	0.0083 J	0.010	0.014	0.019	0.020	0.040	0.0035 J	0.0026 J	<0.00074	<0.00074	
	Comb. Radium 226/228	1.49	1.24 U	2.58	2.36	2.30	3.09	1.17	1.19 U	2.14	3.06	2.93	3.26	0.942 U	1.46 U	0.498 U	1.14 U	
Selenium	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.0098	0.014	<0.0014	<0.0014	<0.0014	0.0019 J	<0.0014	<0.0014	0.0097	0.0082		
Thallium	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.00048 J	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018		
GEOCHEM	Bicarbonate Alkalinity	186	--	246	--	120	--	113	--	169	--	73.6	--	222	--	214	--	
	Iron	0.071	--	1.3	--	0.71	--	<0.025	--	0.58	--	<0.025	--	<0.025	--	0.092	--	
	Magnesium	69.0	--	32.7	--	116	--	44.0	--	46.6	--	22.2	--	36.9	--	40.1	--	
	Manganese	0.15	--	0.017 J	--	0.70	--	0.024 J	--	0.031 J	--	0.14	--	<0.0043	--	<0.0043	--	
	Potassium	4.0	--	1.8	--	10.1	--	3.4	--	1.9	--	1.1	--	5.7	--	2.2	--	
	Sodium	18.1	--	6.5	--	42.1	--	14.9	--	11.1	--	6.4	--	14.5	--	8.1	--	

Table 5
Summary of Groundwater Analytical Data
Plant Bowen AP-1, Bartow County, Georgia

Well ID:	BGWC-41D	BGWC-41D	BGWC-42D	BGWC-42D	BGWC-43D	BGWC-43D	BGWC-44D	BGWC-44D	BGWC-49D	BGWC-49D	BGWC-50D	BGWC-50D	BGWC-51	BGWC-51	BGWC-52	BGWC-52		
Sample Date:	2/1/2023	8/23/2023	1/30/2023	8/24/2023	2/7/2023	8/23/2023	1/25/2023	8/15/2023	2/1/2023	8/22/2023	1/25/2023	8/15/2023	1/31/2023	8/21/2023	1/31/2023	8/22/2023		
Parameter ^(1,2)																		
APPENDIX III	Boron	1.5	1.4	1.7	1.8	6.9	12	0.053	0.030 J	7.5	8.0	0.045	0.040 J	2.4	3.1	1.1	1.9	
	Calcium	228	220	92.5	88.4	184	314	24.3	25.3	236	219	65.0	68.8	111	123	62.8	85.7	
	Chloride	393	353	122	90.6	226	396	13.5	9.3	468	421	27.6	23.8	85.6	108	41.5	64.6	
	Fluoride	0.084 J	<0.050	0.64	0.52	0.97	1.1	0.28	0.16	0.085 J	<0.050	0.16	0.14	0.15	0.14	0.14	0.098 J	
	pH ⁽³⁾	7.05	7.09	7.04	6.98	7.03	6.77	7.89	7.57	7.17	6.94	7.03	6.80	6.87	6.79	7.56	7.13	
	Sulfate	345	299	121	112	167	283	11.7	11.4	232	214	268	218	135	95.0	77.2	92.8	
	TDS	1500	1300	658	541	992	1600	350	348	1820	1600	659	623	664	704	286	468	
APPENDIX IV	Antimony	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	0.0017 J	<0.0012	<0.00078	<0.0012	<0.00078	<0.0012	
	Arsenic	0.0084	0.011	0.0088	0.0059	<0.0022	0.0087	0.0043 J	0.0039 J	0.0073	0.0097	<0.0022	<0.0037	<0.0022	0.0057	<0.0022	0.0050	
	Barium	0.071	0.065	0.13	0.074	0.059	0.062	0.012	0.033	0.055	0.074	0.067	0.062	0.011	0.0094	0.032	0.029	
	Beryllium	<0.000054	<0.00027	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.00027	<0.000054	<0.000054	0.000072 J	<0.000054	<0.000054	<0.00027
	Cadmium	<0.00011	<0.00011	<0.00011	<0.00011	0.00014 J	0.00029 J	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
	Chromium	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0025 J	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0016 J	<0.0011
	Cobalt	0.00067 J	0.00049 J	<0.00039	<0.00039	0.0016 J	0.0031 J	<0.00039	<0.00039	0.00089 J	0.00093 J	0.00066 J	0.00040 J	<0.00039	<0.00039	0.0045 J	0.0035 J	
	Fluoride	0.084 J	<0.050	0.64	0.52	0.97	1.1	0.28	0.16	0.085 J	<0.050	0.16	0.14	0.15	0.14	0.14	0.098 J	
	Lead	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	<0.00089	<0.00012	
	Lithium	0.0019 J	<0.0036	<0.00073	0.0017 J	0.016 J	0.022 J	0.0040 J	0.0063 J	0.0042 J	0.0065 J	0.0019 J	0.0015 J	<0.00073	<0.00073	0.0011 J	<0.0036	
	Mercury	<0.00013	0.00018 J	<0.00013	<0.00012	<0.00013	0.00015 J	<0.00013	<0.00013	<0.00013	<0.00012	<0.00013	<0.00012	0.00021	0.00016 J	0.00018 J	<0.00012	
	Molybdenum	0.0092 J	0.0092 J	0.0033 J	0.013	0.13	0.18	0.011	0.0026 J	0.0072 J	0.0048 J	0.0067 J	0.0041 J	<0.00074	<0.00074	0.0087 J	0.0039 J	
	Comb. Radium 226/228	1.59	2.06	0.710 U	1.37	1.53	1.79	0.617 U	0.783 U	1.57	2.97	0.588 U	1.47	0.707 U	0.283 U	0.580 U	0.886 U	
Selenium	0.0016 J	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.0058	0.0097	<0.0014	0.0039 J		
Thallium	<0.00018	<0.00018	<0.00018	<0.00018	0.0011	0.0021	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.00020 J	<0.00018		
GEOCHEM	Bicarbonate Alkalinity	118	--	318	--	144	--	321	--	104	--	273	--	160	--	103	--	
	Iron	0.99	--	0.27	--	0.26	--	0.050	--	0.87	--	2.1	--	0.14	--	0.26	--	
	Magnesium	95.6	--	34.2	--	42.1	--	13.4	--	92.3	--	27.6	--	24.7	--	13.5	--	
	Manganese	0.038 J	--	0.080	--	1.2	--	0.026 J	--	0.29	--	0.099	--	0.0091 J	--	0.34	--	
	Potassium	1.2	--	2.9	--	4.4	--	2.1	--	3.4	--	1.6	--	5.4	--	2.8	--	
	Sodium	29.9	--	98.2	--	24.6	--	109	--	33.4	--	118	--	10.5	--	8.9	--	

Table 6
Summary of Background Concentrations and Groundwater Protection Standards
Plant Bowen AP-1, Bartow County, Georgia

Analyte	Units	MCL	CCR-Rule Specified ⁽¹⁾	Background Limit ⁽²⁾	GWPS ^(3,4)
Antimony	mg/L	0.006	N/A	0.0042	0.006
Arsenic	mg/L	0.01	N/A	0.01	0.01
Barium	mg/L	2	N/A	0.22	2
Beryllium	mg/L	0.004	N/A	0.0005	0.004
Cadmium	mg/L	0.005	N/A	0.0005	0.005
Chromium	mg/L	0.1	N/A	0.005	0.1
Cobalt	mg/L	N/A	0.006	0.005	0.006
Fluoride	mg/L	4	N/A	0.57	4
Lead	mg/L	N/A	0.015	0.0024	0.015
Lithium	mg/L	N/A	0.04	0.03	0.04
Mercury	mg/L	0.002	N/A	0.00022	0.002
Molybdenum	mg/L	N/A	0.1	0.034	0.1
Selenium	mg/L	0.05	N/A	0.005	0.05
Thallium	mg/L	0.002	N/A	0.001	0.002
Combined Radium-226/228	pCi/L	5	N/A	1.64	5

Notes:

CCR = Coal Combustion Residuals

GWPS = Groundwater Protection Standard

MCL = Maximum Contaminant Level

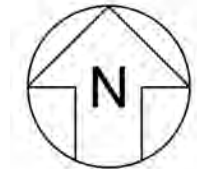
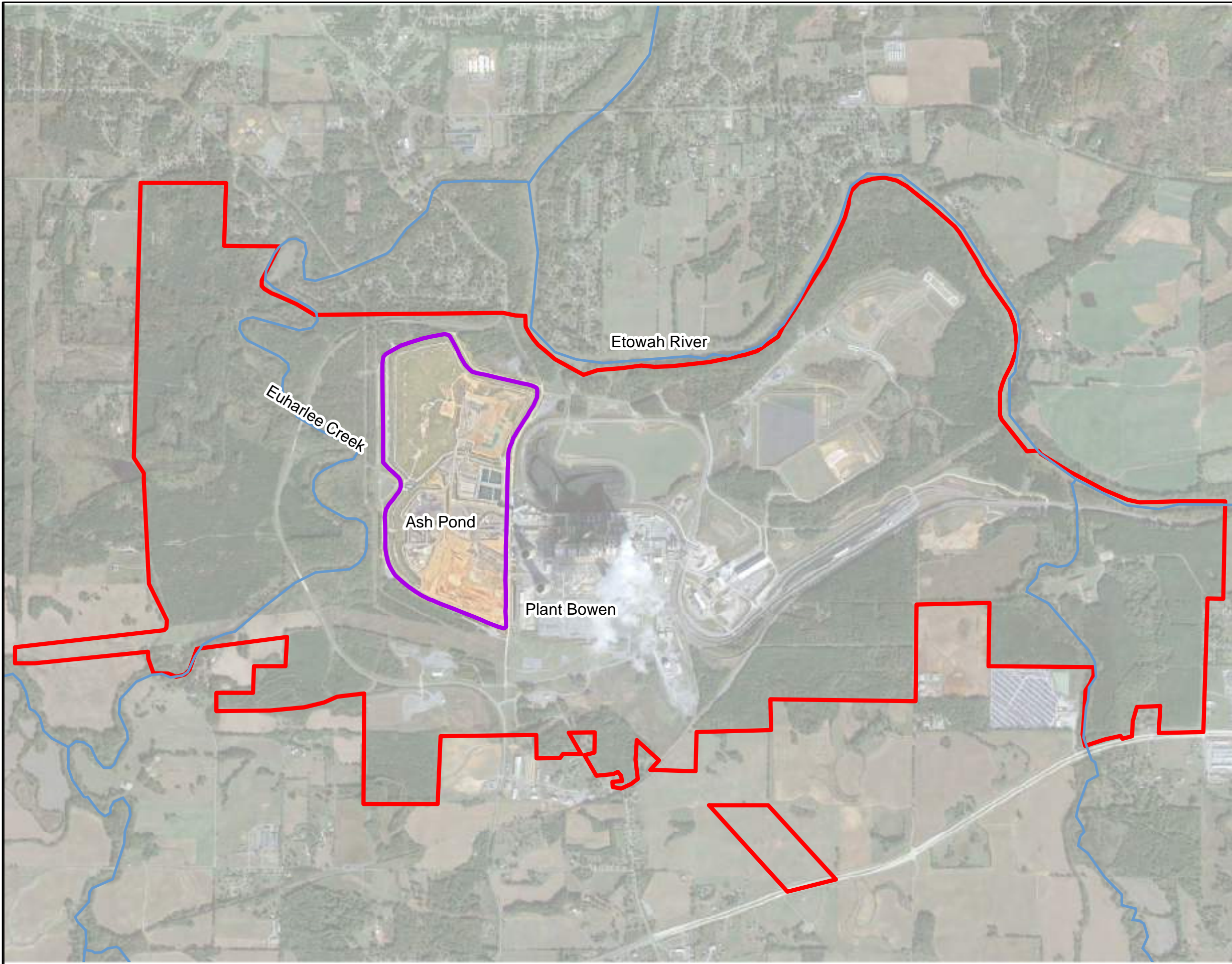
mg/L = milligrams per liter

N/A = Not Applicable

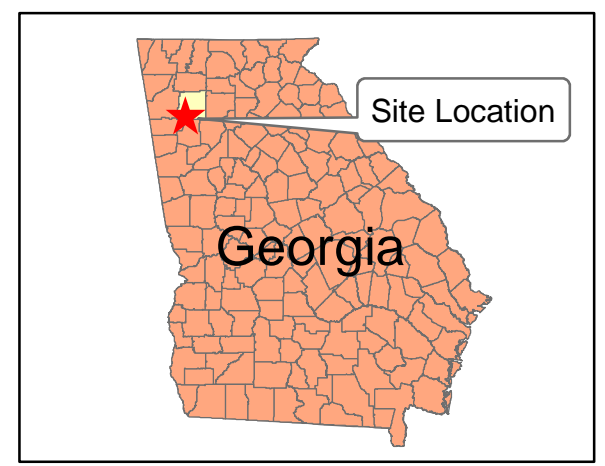
pCi/L = picocuries per liter

- (1) On February 22, 2022, the Georgia Environmental Protection Division (GA EPD) adopted the federally promulgated GWPS for cobalt, lithium, lead, and molybdenum.
- (2) The background limits were used when determining the GWPS under 40 CFR 257.95(h) and GA EPD Rule 391-3-4-.10(6)(a).
- (3) Under 40 CFR 257.95(h)(1-3) the GWPS is: (i) the maximum contaminant level (MCL) established under §§141.62 and 141.66 of this title; (ii) where an MCL has not been established a rule-specific GWPS; or (iii) background levels for constituents where the background level is higher than the MCL or rule-specified GWPS.
- (4) The GWPS apply to the January and August 2023 sampling events.

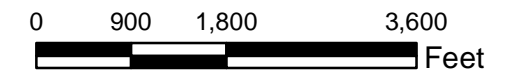
FIGURES



- LEGEND**
- Approximate Site Boundary
 - Approximate AP-1 Boundary
 - River or Stream



Note:
 1. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, July 2023.



SITE LOCATION MAP

GEORGIA POWER COMPANY
 PLANT BOWEN AP-1
 BARTOW COUNTY, GEORGIA

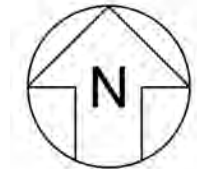
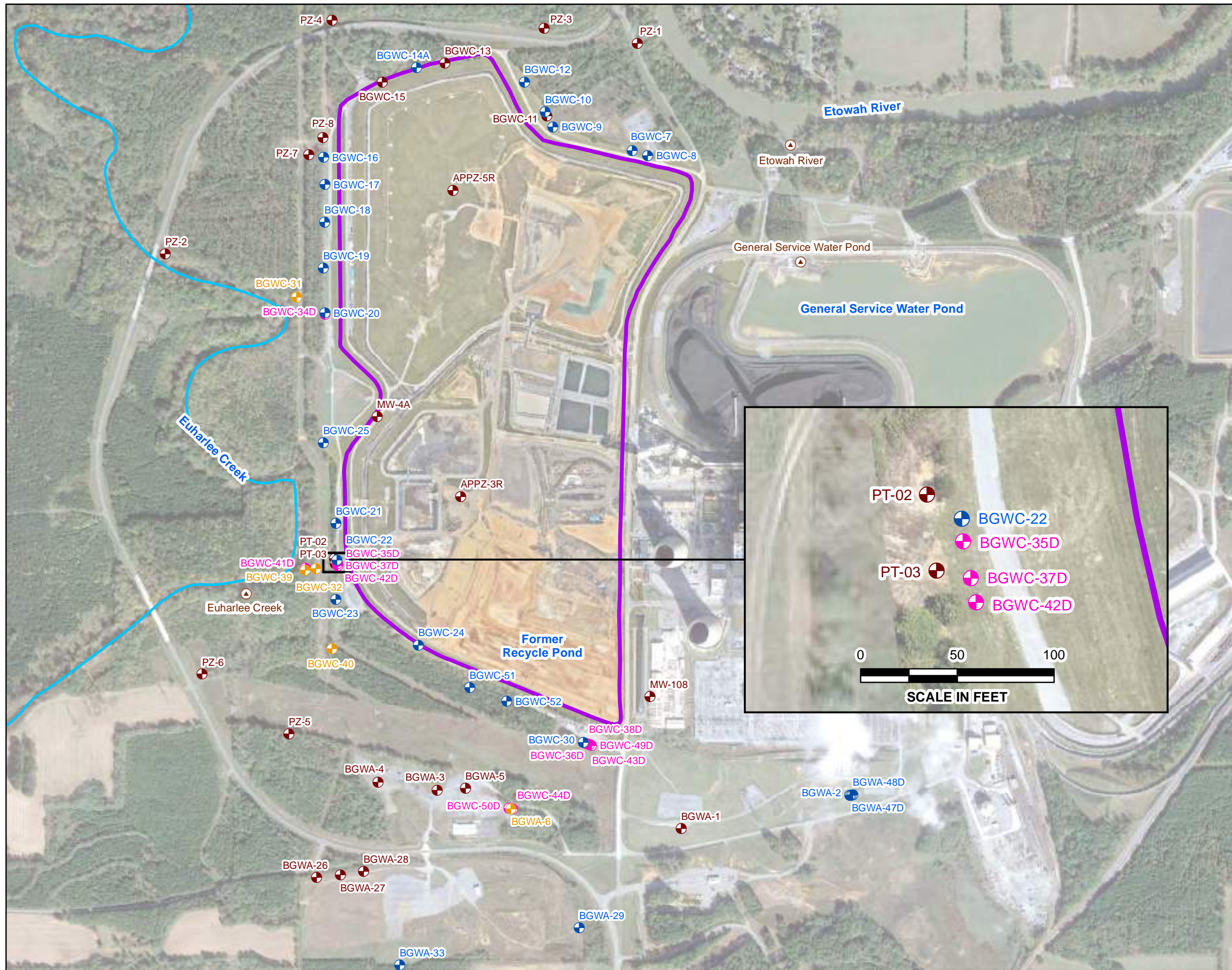
Prepared For: Georgia Power

Prepared By: Geosyntec
 consultants

KENNESAW, GA

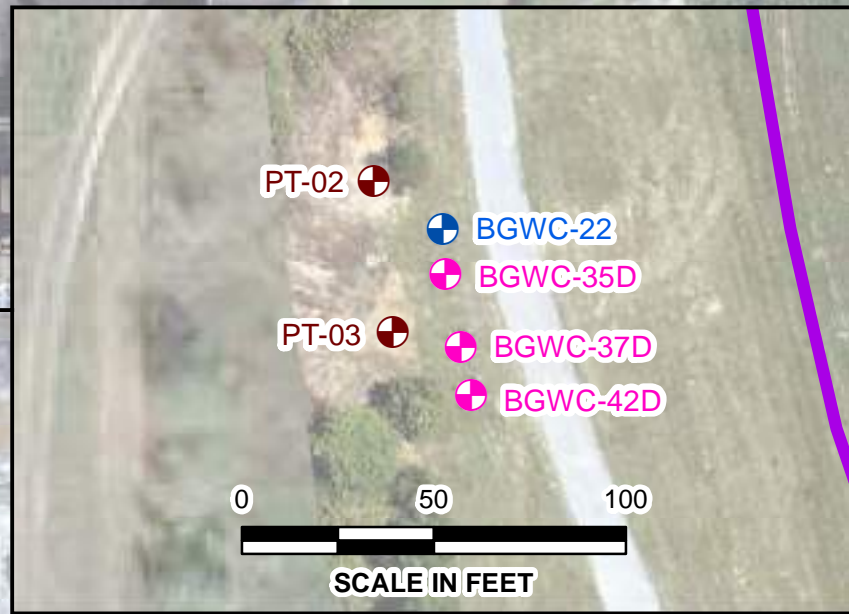
JANUARY 2024

FIGURE
1

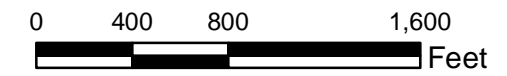


LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Transducer
- Approximate AP-1 Boundary
- Euharlee Creek



Notes:
 1. All wells and piezometers presented are screened within the weathered fractured bedrock.
 2. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, July 2023.



MONITORING WELL NETWORK MAP

GEORGIA POWER COMPANY
 PLANT BOWEN AP-1
 BARTOW COUNTY, GEORGIA

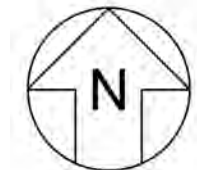
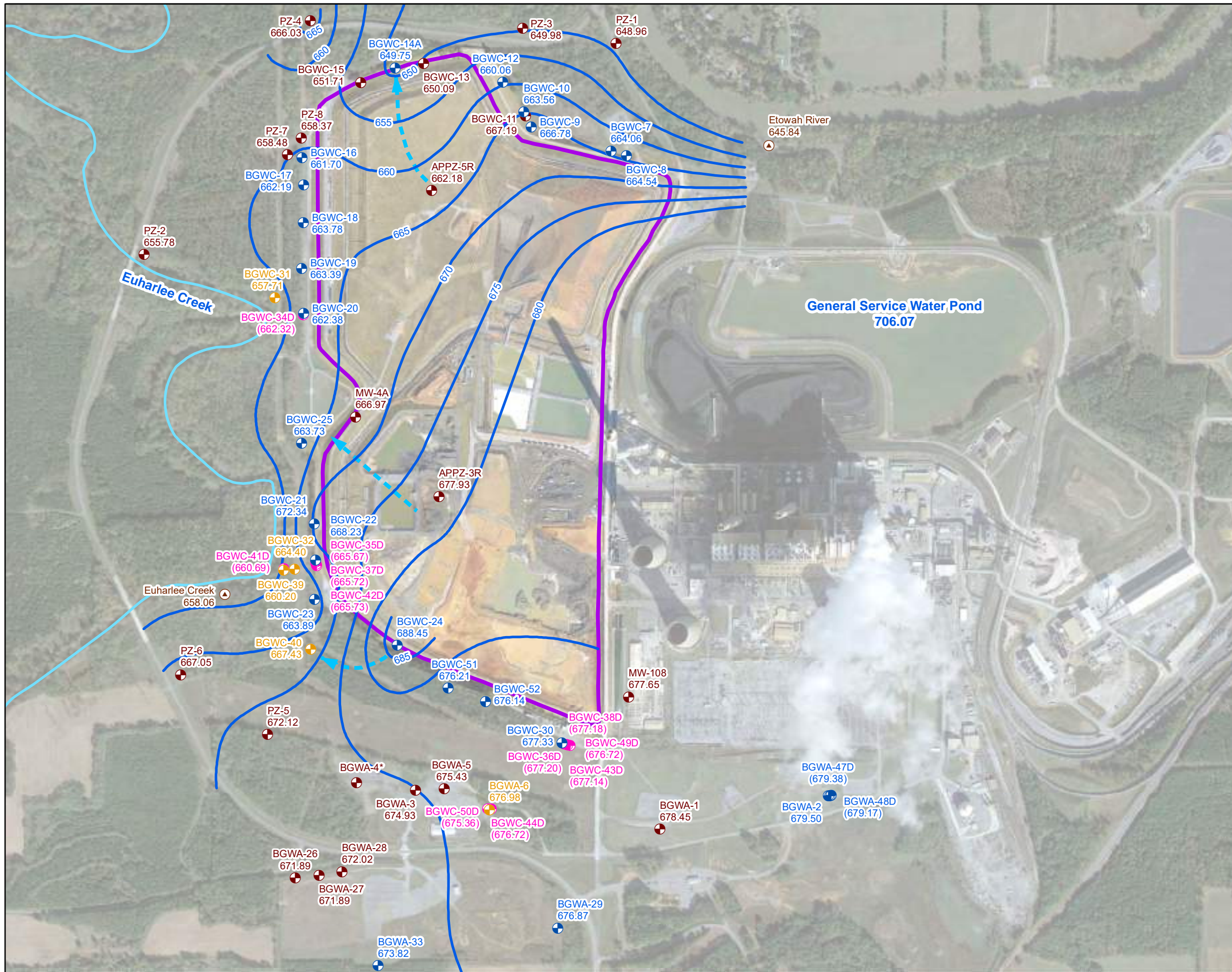
Prepared For: Georgia Power

Prepared By: Geosyntec consultants

KENNESAW, GA

JANUARY 2024

FIGURE
2

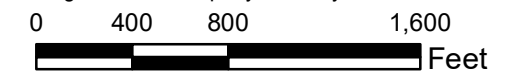


LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Transducer
- Groundwater Elevation Contour
- Approximate Groundwater Flow Direction
- Euharlee Creek
- Approximate AP-1 Boundary



- Notes:
1. Water level elevations recorded on January 23, 2023. Elevation provided in feet referenced to the North American Vertical Datum (NAVD) 88. The Former Recycle Pond has been decommissioned.
 2. Surface water elevations of Etowah River, Euharlee Creek, and General Service Water Pond are recorded using In-Situ® Instruments, Inc.'s Win-Situ® or HydroVu® reporting software and Level Troll 500® pressure transducers. The transducer that recorded data for Euharlee Creek is located in a tributary with surface elevations representative of Euharlee Creek conditions.
 3. The map shows only the wells/piezometers currently installed at the time of the gauging event.
 4. Groundwater elevations in parentheses were not used in development of groundwater contours due to being screened at a different elevation in the formation/aquifer.
 5. An asterisk (*) denotes that BGWA-4 was not gauged due to being inaccessible with 6-8 inches of standing water at the time of the gauging event.
 6. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, January 2023.



POTENTIOMETRIC SURFACE CONTOUR MAP - JANUARY 2023

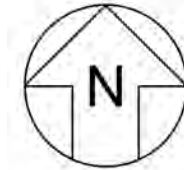
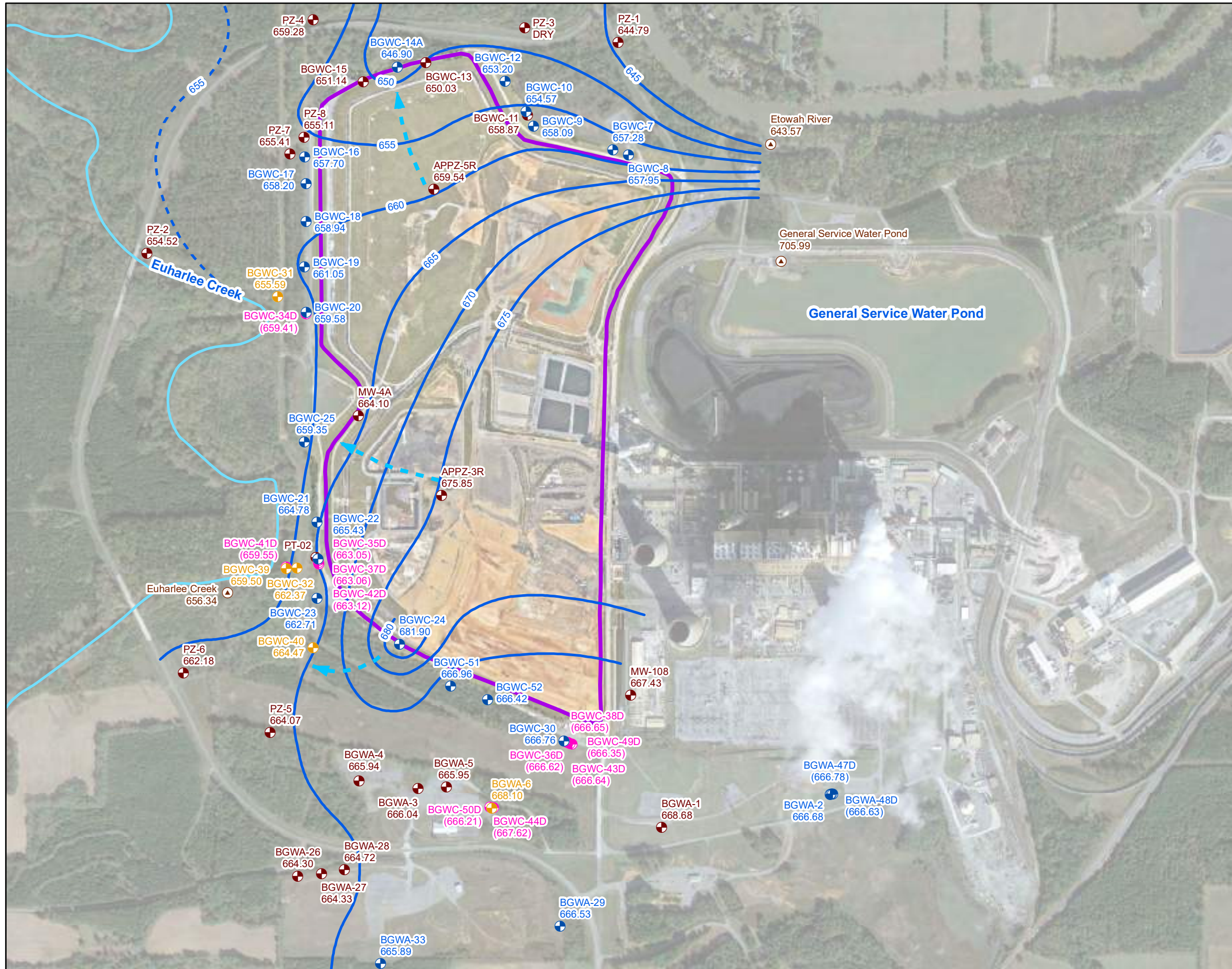
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

FIGURE
3

KENNESAW, GA JANUARY 2024



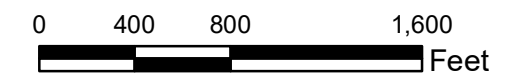
LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Transducer
- Groundwater Elevation Contour (dashed where inferred)
- Approximate Groundwater Flow Direction
- Euharlee Creek
- Approximate AP-1 Boundary



Notes:

1. Water level elevations recorded on August 14, 2023. Elevation provided in feet referenced to the North American Vertical Datum (NAVD) 88. The Former Recycle Pond has been decommissioned.
2. Surface water elevations of Etowah River, Euharlee Creek, and General Service Water Pond are recorded using In-Situ® Instruments, Inc.'s Win-Situ® or HydroVu® reporting software and Level Troll 500® pressure transducers. The transducer that recorded data for Euharlee Creek is located in a tributary with surface elevations representative of Euharlee Creek conditions.
3. The map shows only the wells/piezometers currently installed at the time of the gauging event.
4. Groundwater elevations in parentheses were not used in development of groundwater contours due to being screened at a different elevation in the formation/aquifer.
5. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, July 2023.



POTENTIOMETRIC SURFACE CONTOUR MAP - AUGUST 2023

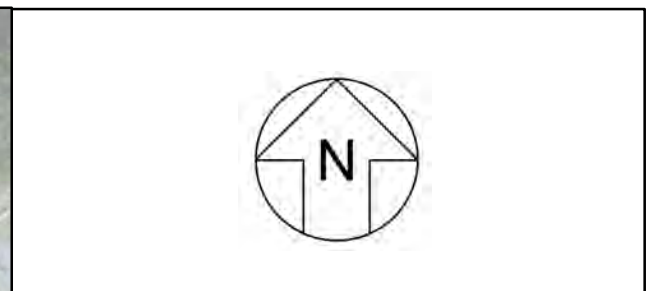
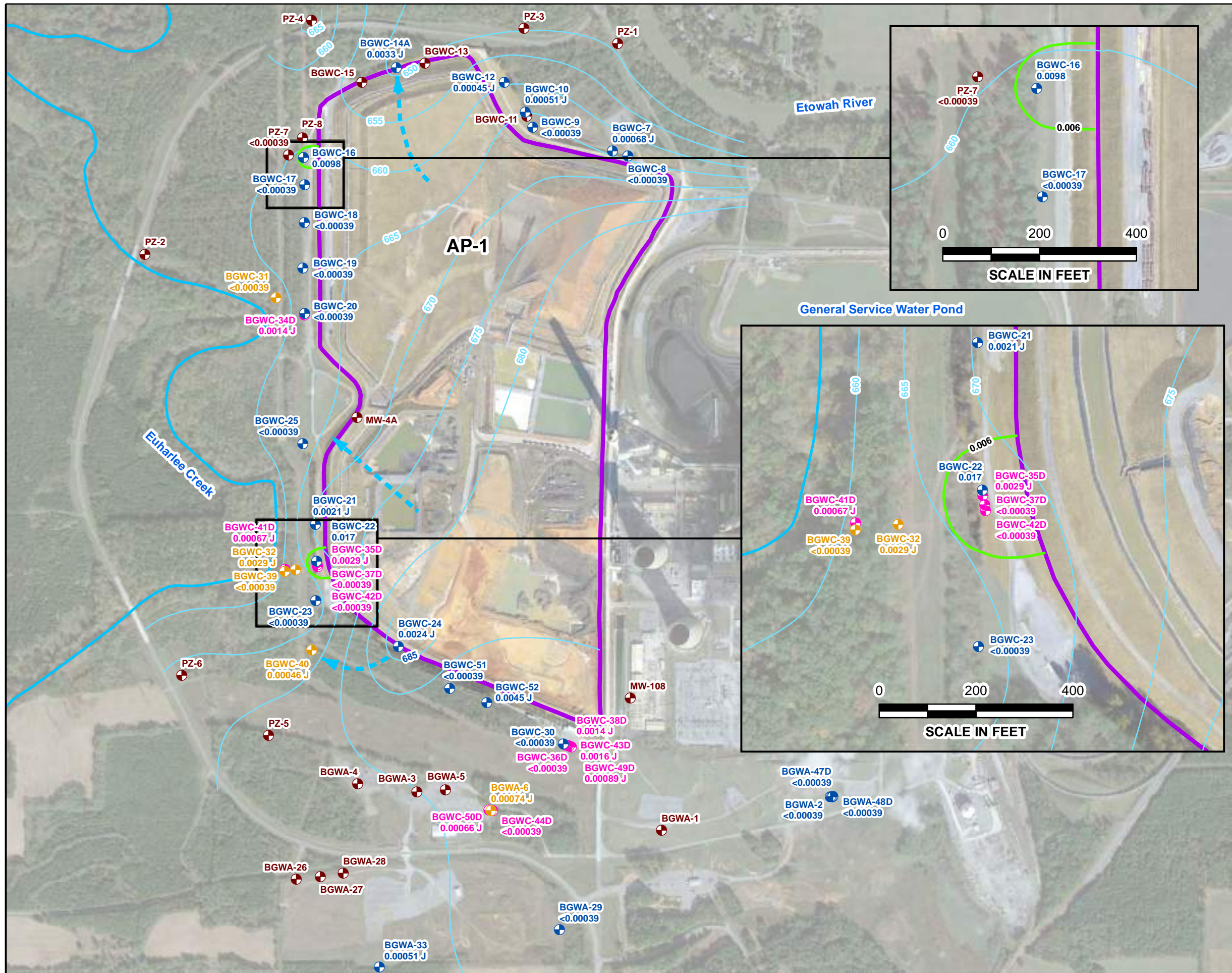
GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

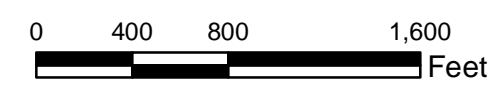
FIGURE
4

KENNESAW, GA JANUARY 2024



- LEGEND**
- Detection Monitoring Well
 - Horizontal Assessment Monitoring Well
 - Vertical Assessment Monitoring Well (Not Used for Contouring)
 - Piezometer
 - GWPS Cobalt Iso-Concentration Contour (mg/L)
 - Groundwater Elevation Contour
 - Approximate Groundwater Flow Direction
 - Euharlee Creek
 - Approximate AP-1 Boundary

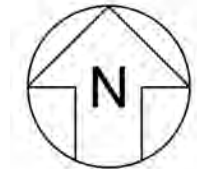
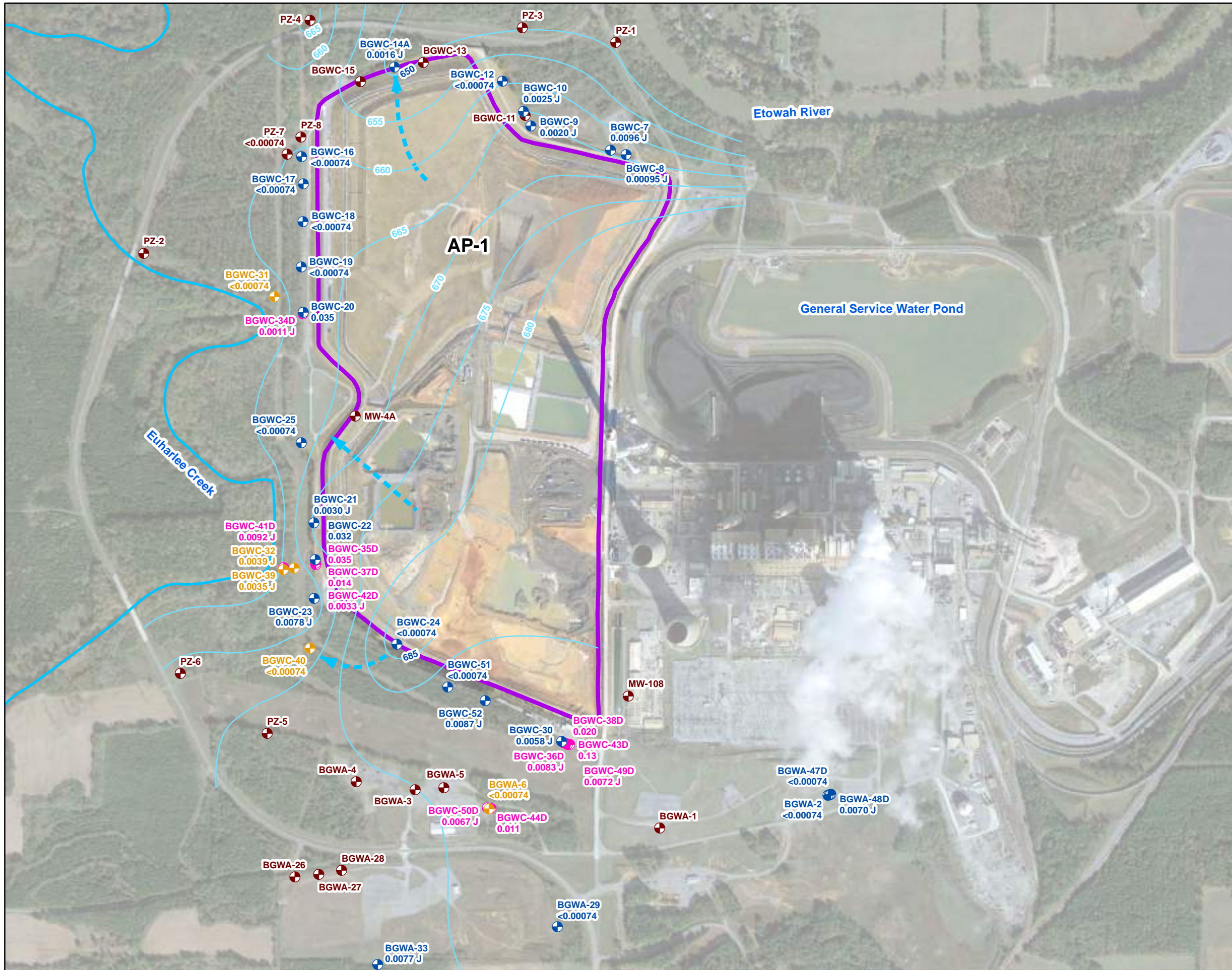
- Notes:**
1. Concentration data is from the January 2023 semiannual groundwater monitoring event. Concentrations are reported in mg/L. Water level elevations recorded January 23, 2023.
 2. The Groundwater Protection Standard (GWPS) for cobalt is 0.006 mg/L.
 3. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, January 2023.



**ISO-CONCENTRATION MAP
COBALT - JANUARY 2023**

GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

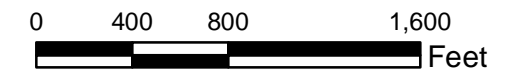
Prepared For: Georgia Power	FIGURE 5
Prepared By: Geosyntec consultants	
KENNESAW, GA	JANUARY 2024



- LEGEND**
- Detection Monitoring Well
 - Horizontal Assessment Monitoring Well
 - Vertical Assessment Monitoring Well (Not Used for Contouring)
 - Piezometer
 - Groundwater Elevation Contour
 - ➔ Approximate Groundwater Flow Direction
 - Euharlee Creek
 - Approximate AP-1 Boundary

Notes:

1. Concentration data is from the January 2023 semiannual groundwater monitoring event. Concentrations are reported in mg/L. Water level elevations recorded January 23, 2023.
2. The Groundwater Protection Standard (GWPS) for molybdenum is 0.100 mg/L.
3. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, January 2023.



**ISO-CONCENTRATION MAP
MOLYBDENUM - JANUARY 2023**

GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

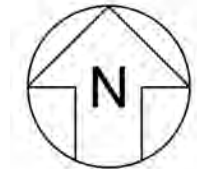
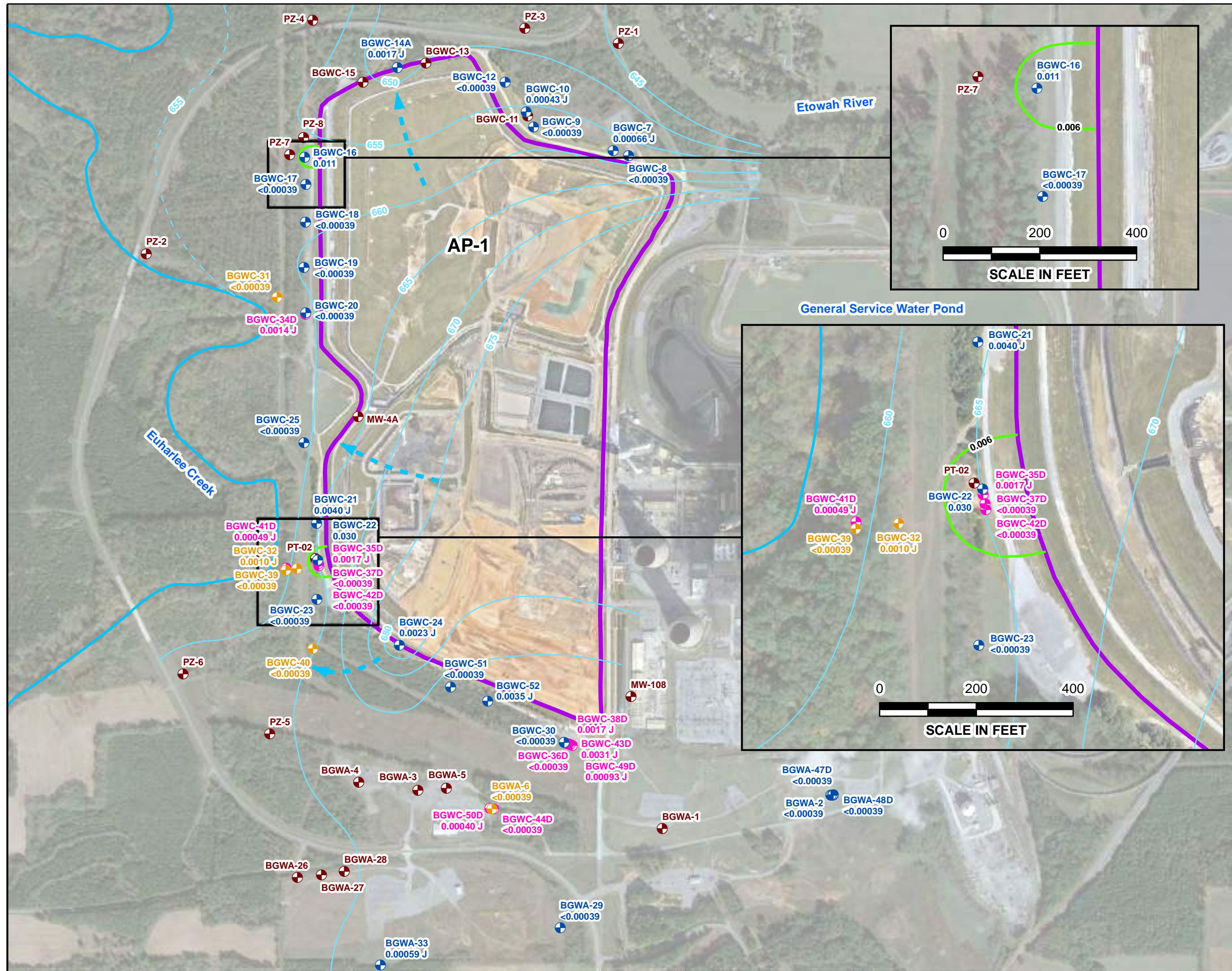
Prepared For: Georgia Power

Prepared By: Geosyntec
consultants

**FIGURE
6**

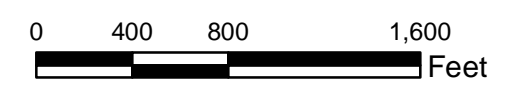
KENNESAW, GA

JANUARY 2024



- LEGEND**
- Detection Monitoring Well
 - Horizontal Assessment Monitoring Well
 - Vertical Assessment Monitoring Well (Not Used for Contouring)
 - Piezometer
 - GWPS Cobalt Iso-Concentration Contour (mg/L)
 - - - Groundwater Elevation Contour (dashed where inferred)
 - ▶ Approximate Groundwater Flow Direction
 - Euharlee Creek
 - Approximate AP-1 Boundary

- Notes:**
1. Concentration data is from the August 2023 semiannual groundwater monitoring event. Concentrations are reported in mg/L. Water level elevations recorded August 14, 2023.
 2. Piezometers may be sampled as needed for constituent specific site characterization.
 3. The Groundwater Protection Standard (GWPS) for cobalt is 0.006 mg/L.
 4. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, July 2023.



**ISO-CONCENTRATION MAP
COBALT - AUGUST 2023**

GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

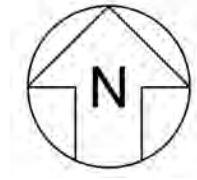
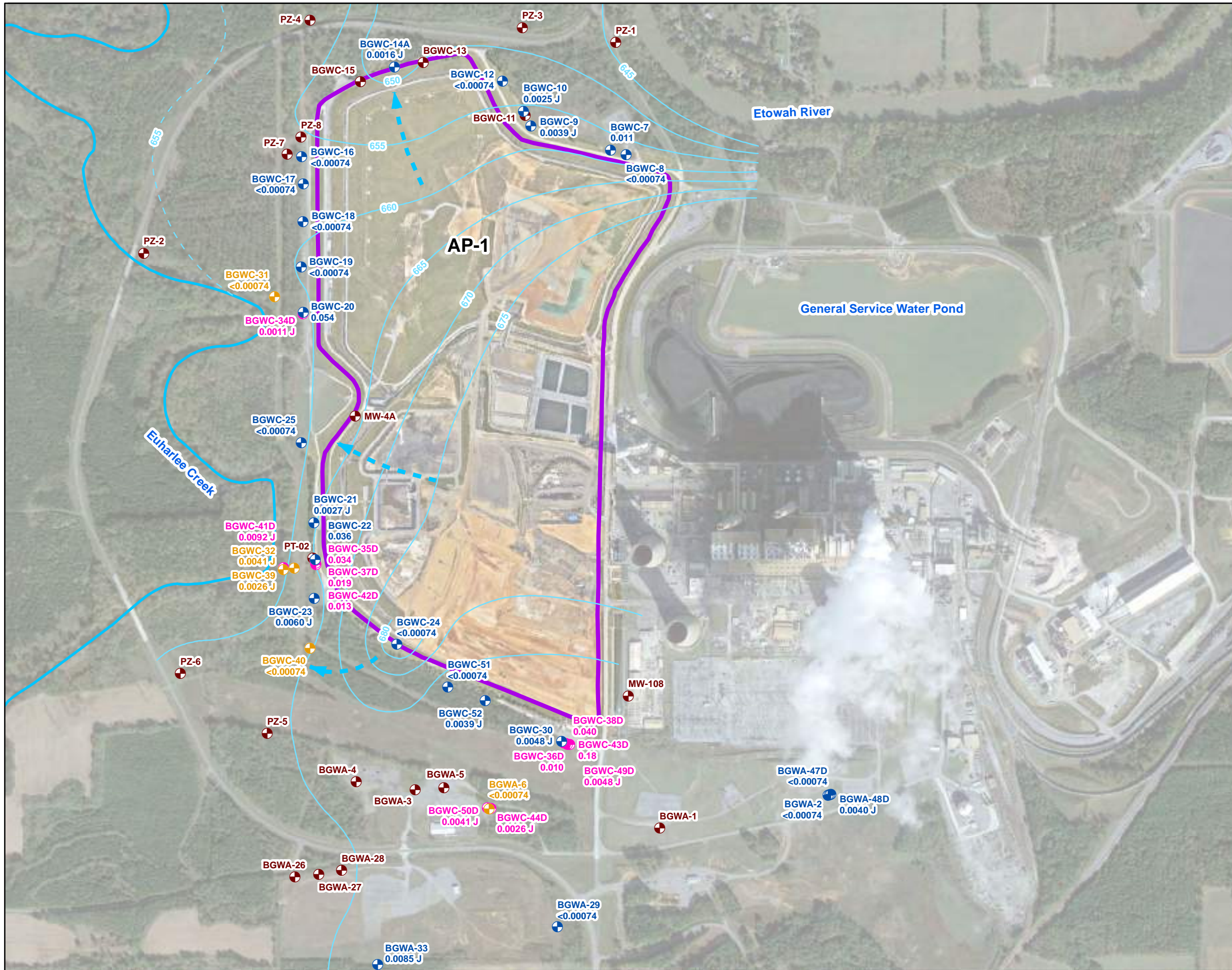
Prepared For: Georgia Power

Prepared By: Geosyntec
consultants

**FIGURE
7**

KENNESAW, GA

JANUARY 2024

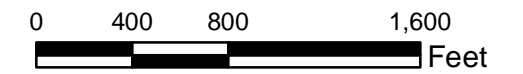


LEGEND

- ⊕ Detection Monitoring Well
- ⊕ Horizontal Assessment Monitoring Well
- ⊕ Vertical Assessment Monitoring Well (Not Used for Contouring)
- ⊕ Piezometer
- Groundwater Elevation Contour (dashed where inferred)
- Approximate Groundwater Flow Direction
- Euharlee Creek
- Approximate AP-1 Boundary

Notes:

1. Concentration data is from the August 2023 semiannual groundwater monitoring event. Concentrations are reported in mg/L. Water level elevations recorded August 14, 2023.
2. Piezometers may be sampled as needed for constituent specific site characterization.
3. The Groundwater Protection Standard (GWPS) for molybdenum is 0.100 mg/L.
4. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, July 2023.



**ISO-CONCENTRATION MAP
MOLYBDENUM - AUGUST 2023**

GEORGIA POWER COMPANY
PLANT BOWEN AP-1
BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

**FIGURE
8**

KENNESAW, GA

JANUARY 2024

APPENDIX A

Ash Pond Monitoring Well Certification Report – Addendum No. 7, Plant Bowen Ash Pond 1 (AP-1)



Prepared for

Georgia Power Company
241 Ralph McGill Blvd NE
Atlanta, Georgia 30308

ASH POND MONITORING WELL CERTIFICATION REPORT – ADDENDUM

No. 7

PLANT BOWEN ASH POND 1 (AP-1)

Prepared by

Geosyntec
consultants

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW6581H

January 2024



CERTIFICATION PAGE

I hereby certify that this *Well Design, Installation, and Development Report – Addendum No. 7, Plant Bowen Ash Pond 1 (AP-1)* has been prepared by, or under the direct supervision of, a Qualified Groundwater Scientist with Geosyntec Consultants, Inc. and is in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations 257 Subpart D], specifically §257.91(e)(1), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10.

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



Martin Crook P.G.
Georgia Registered Professional Geologist No. 2316
Project Manager
Geosyntec Consultants

January 29, 2024

Date

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2.	DRILLING AND WELL INSTALLATION.....	2
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LIST OF ACRONYMS

AP	Ash Pond
ASTM	American Society for Testing and Materials
CCR	coal combustion residual
CFR	Code of Federal Regulations
CFS	Civil Field Services
DO	dissolved oxygen
EDN	Earth Data Northeast, Inc.
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
NAD	North America Datum
NAVD88	North American Vertical Datum of 1988
NSF	National Sanitation Foundation
ORP	oxygen reduction potential
PG	professional geologist
PVC	polyvinyl chloride
Resolute	Resolute Environmental & Water Resources Consulting, LLC
TOC	top of casing
USEPA	United States Environmental Protection Agency

1. INTRODUCTION

This report provides details regarding the design, installation, and development of two piezometers, PT-02 and PT-03, installed in July and December 2023, respectively, in support of the high-resolution site characterization activities at Georgia Power Company (Georgia Power) Plant Bowen (Site) Ash Pond 1 (AP-1). This report was prepared as an addendum to previously issued well certification reports prepared for the Site (Anchor QEA, 2017; Geosyntec, 2019, 2020a, 2020b, 2021a, 2021b, and 2022), and meets the requirements promulgated in the United States Environmental Protection Agency (USEPA) coal combustion residual (CCR) rule [40 Code of Federal Regulations (CFR) Part 257, Subpart D], specifically 40 CFR §257.91(e)(1) and Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10.

Plant Bowen is a four-unit, coal-fired, electric-generating facility located nine miles southwest of Cartersville in Bartow County, Georgia. The current groundwater monitoring system at AP-1 includes a network of compliance monitoring wells, delineation wells, and piezometers. The locations of these wells and piezometers are shown on **Figure 1**.

2. DRILLING AND WELL INSTALLATION

Well installation and development activities were performed according to accepted industry standards and following guidelines within the *Manual for Groundwater Monitoring* (GA EPD, 1991). Soil boring and high-speed wireline coring were performed by Civil Field Services (CFS). Well drilling, installation, and surface completion activities were performed by Cascade Drilling, Inc of Midland, North Carolina. In accordance with the Georgia Water Well Standards Act, the drillers were required to have an insurance bond on file with the State of Georgia at the time of drilling. A copy of these bonds is provided in **Appendix A**. A geologist under the supervision of a professional geologist (PG) registered to practice in the State of Georgia, both of whom are employed with Geosyntec Consultants, Inc. (Geosyntec), documented the drilling and installation efforts to record observations, soil and rock descriptions, subsurface stratigraphy, water elevations, and other field activities. Well development was completed by Resolute Environmental & Water Resources Consulting, LLC (Resolute).

PT-02 was installed and completed in July 2023. PT-03 was installed and completed in December 2023. The locations of PT-02 and PT-03 are shown on **Figure 1**. Well construction details are provided in **Table 1**; boring and well construction logs are included in **Appendix B**.

2.1 Drilling Method

Soil borings were advanced from existing ground surface to bedrock using hollow-stem auger drilling methods. Samples of the unconsolidated residuum were collected every 5 feet using a split spoon sampler. Permanent 6-inch polyvinyl chloride (PVC) casings were installed through unconsolidated residuum and set into the upper bedrock to maintain borehole stability. The permanent surface casings were grouted in place using a bentonite grout slurry and were allowed to set for 24 hours before further bedrock drilling.

Boreholes were advanced into the bedrock using high-speed wireline coring equipped with an HQ-size core bit. Continuous rock cores were collected and logged by a Geosyntec field geologist.

Care was taken so that the drilling methods minimized the disturbance of subsurface materials and did not introduce contamination of the groundwater from surface activities. Prior to well installation, the boreholes were reamed out using rotosonic drilling

techniques. The drill rig and the downhole equipment were steam cleaned prior to drilling.

2.2 Borehole Geophysics

Borehole geophysical logging of boreholes drilled into rock units was conducted by Earth Data Northeast, Inc. (EDN) of Exton, Pennsylvania, under the supervision of a Geosyntec geologist. The purpose of the geophysical logging was to characterize and evaluate potential water-bearing bedrock fractures and groundwater flow in the open-hole sections of the boreholes to support decisions on the appropriate screen interval for each bedrock piezometer. The geophysical logging consisted of a combination of:

- Acoustic televiewer;
- Three-arm caliper;
- Natural gamma;
- Fluid temperature and fluid resistivity under ambient flow and induced flow (pumping) conditions; and
- spontaneous potential and single point resistance.

Borehole geophysical logging was conducted prior to installation of piezometers PT-02 and PT-03. Borehole geophysical logs prepared by EDN are included in **Appendix B**.

2.3 Screened Interval

Details regarding the well screen intervals are provided in **Table 1**. Wells are screened in the upper portion of the limestone bedrock unit with PT-02 screened from approximately 661.63 to 651.63 feet [referenced to the North American Vertical Data of 1988 (NAVD88)] and PT-03 screened from approximately 663.24 to 653.24 feet. All wells are constructed with 10 feet of well screen.

2.4 Well Casings and Screens

The wells were constructed of 2-inch inner diameter Schedule 40 PVC casing with flush-threaded fittings. Each well was installed with a 10-foot nominal pre-packed dual-wall well screen with 0.010-inch slots. The casings and screens arrived pre-cleaned and packaged by the manufacturer. Well construction materials are sufficiently durable to resist chemical and physical degradation and not interfere with the quality of groundwater samples. Casing and screens are flush-threaded. Solvent or glue was not used to construct the wells. A 4-inch long threaded bottom cap was attached to the bottom of the

screen. The PVC products used were American Society for Testing and Materials (ASTM) and National Sanitation Foundation (NSF) rated. Well screen interval details are provided in **Table 1**.

2.5 Well Intake Design

Wells were designed and constructed to: (1) allow sufficient groundwater flow to the well for sampling; (2) minimize the passage of formation materials (turbidity) into the wells; and (3) ensure sufficient structural integrity to prevent collapse of the wells. The annular space between the face of the formation and the screen was filled to minimize passage of formation materials into the wells. A filter pack of clean, well-rounded, quartz sand was installed in each well. The 0.01-inch slot size was selected to minimize the inflow of formation material without impairing influent groundwater flow.

2.6 Filter Pack

Highly Pure Quartzite of Southern Products & Silica Co. silica sand filter pack was used as the appropriate gradation for all wells. Highly Pure Quartzite meets the ASTM D5092 uniformity coefficient specification of 2.5 or less, with a uniformity coefficient of 1.6.

Filter pack material was placed within the pre-packed dual-wall well screens and in the annular space between the outside of the pre-pack screen and borehole wall to ensure an adequate thickness of filter pack material between the well and the formation. Placement of the filter pack between the borehole wall and PVC was placed via gravity-pouring. Filter pack material placed in the annular space outside of the well screen extended approximately 2 to 3 feet above the top of screen. No bridging occurred during filter pack placement.

Upon placement of the filter pack, each well was pumped with a submersible pump to assure settlement of the filter pack. The top of filter pack depth was measured following pumping to ensure appropriate extension of filter sand above the screen. The depth of top of filter pack was measured and recorded on the well construction logs provided in **Appendix B**.

2.7 Annular Seal

A minimum of two feet of bentonite pellets (PelPlug non-coated 3/8-inch bentonite pellets) were placed immediately above the filter pack by gravity-pouring into the annular space and hydrated per manufacture's specifications. A tremie pipe was used to probe

the annular space to ensure that no bridging occurred. The bentonite was hydrated with groundwater for a duration meeting or exceeding the manufacture's specifications prior to grouting the remaining annulus.

The annulus above the bentonite seal was grouted with AquaGuard® bentonite grout placed via tremie pipe. During grouting, care was taken to assure that the bentonite seal was not disturbed by locating the base of the tremie pipe approximately 2 feet above the bentonite seal and injecting grout at low pressure/velocity. A cement apron 4-feet by 4-feet by 4-inches was poured around each well. The pad is mounded slightly outward to direct surface drainage away from the well.

2.8 Cap and Protective Casing

The well risers were fitted with a locking cap and a lockable cover. A one-quarter inch vent hole was drilled into the PVC riser pipe to provide an avenue for the escape of gas. The protective cap guards the casing from damage and the locking cap serves as a security device to prevent well tampering. Bollards were installed around the four corners of the concrete pad to protect the well.

A weep hole was drilled in the outer protective casing near the bottom above the concrete pad. Pea gravel was placed inside the protective casing between the riser pipe and the outer casing. Wells are clearly marked with the proper well identification number on the stand-up casing.

3. WELL DEVELOPMENT

Resolute developed PT-02 in August 2023 and PT-03 in January 2024 using a combination of surging and pumping to (1) restore the natural hydraulic conductivity of the formation, and (2) to remove fine-grained sediment to ensure low-turbidity groundwater samples. Wells were alternately surged and purged until visually clear of particulates. Turbidity, pH, temperature, conductivity, oxidation-reduction potential (ORP), and dissolved oxygen (DO) measurements were recorded to ensure that each well was fully developed and field parameters were stabilized following low-flow sampling procedures in accordance with the approved Groundwater Monitoring Plan for Plant Bowen Ash Pond 1 (AP-1) Closure (Geosyntec, 2021). The well development forms are included in **Appendix C**.

All equipment and tubing placed in the well was decontaminated or disposed of between wells.

4. SURVEY

Upon completion of the well installation, the horizontal locations and vertical elevations were surveyed by a Georgia-licensed surveyor. The top of the PVC well casing [top of casing (TOC) elevation] and the survey pin installed at each well pad were surveyed to within 0.5-foot horizontal accuracy and to 0.01-foot vertical accuracy. The horizontal location (i.e., northings and eastings) was recorded in feet relative to the North America Datum of 1983 (NAD) with the vertical elevation recorded in feet relative to the North American Vertical Datum of 1988. Certified survey data are provided in the well construction table (**Table 1**). A copy of the certified well survey data for PT-02 and PT-03 is provided in **Appendix D**.

5. REFERENCES

Anchor QEA. 2017. *Ash Pond Monitoring Well Certification Report*, October 2017.

Georgia Environmental Protection Division (GA EPD), Georgia Department of Natural Resources, 1991. *Manual for Groundwater Monitoring*. September 1991.

Geosyntec Consultants. 2019. *Ash Pond Monitoring Well Certification Report - Addendum*, June 2019.

Geosyntec Consultants. 2020a. *Ash Pond Monitoring Well Certification Report – Addendum No. 2*, January 2020.

Geosyntec Consultants. 2020b. *Ash Pond Monitoring Well Certification Report – Addendum No. 3*, July 2020.

Geosyntec Consultants, 2021. Groundwater Monitoring Plan, Plant Bowen Ash Pond 1 (AP-1) Closure, Bartow County, Georgia, for Georgia Power. July 2021. Geosyntec Consultants. 2021a. *Ash Pond Monitoring Well Certification Report – Addendum No. 4*, March 2021.

Geosyntec Consultants. 2021b. *Ash Pond Monitoring Well Certification Report – Addendum No. 5*, May 2021.

Geosyntec Consultants. 2022. *Ash Pond Monitoring Well Certification Report – Addendum No. 6*, June 2022.

TABLE

Table 1
 Summary of Well Construction Details
 Plant Bowen AP-1, Bartow County, Georgia

Well ID	Purpose	Installation Date	Northing ⁽¹⁾	Easting ⁽¹⁾	Ground Surface Elevation (ft NAVD88) ⁽²⁾	Top of Casing Elevation (ft NAVD88)	Top of Screen Elevation (ft NAVD88)	Bottom of Screen Elevation (ft NAVD88)	Well Depth (ft BTOC) ⁽³⁾
PT-02	Piezometer	7/25/23	1501336.13	2064340.03	692.06	694.95	661.63	651.63	43.65
PT-03	Piezometer	12/15/23	1501296.82	2064344.95	693.05	696.05	663.24	653.24	43.14

Notes:

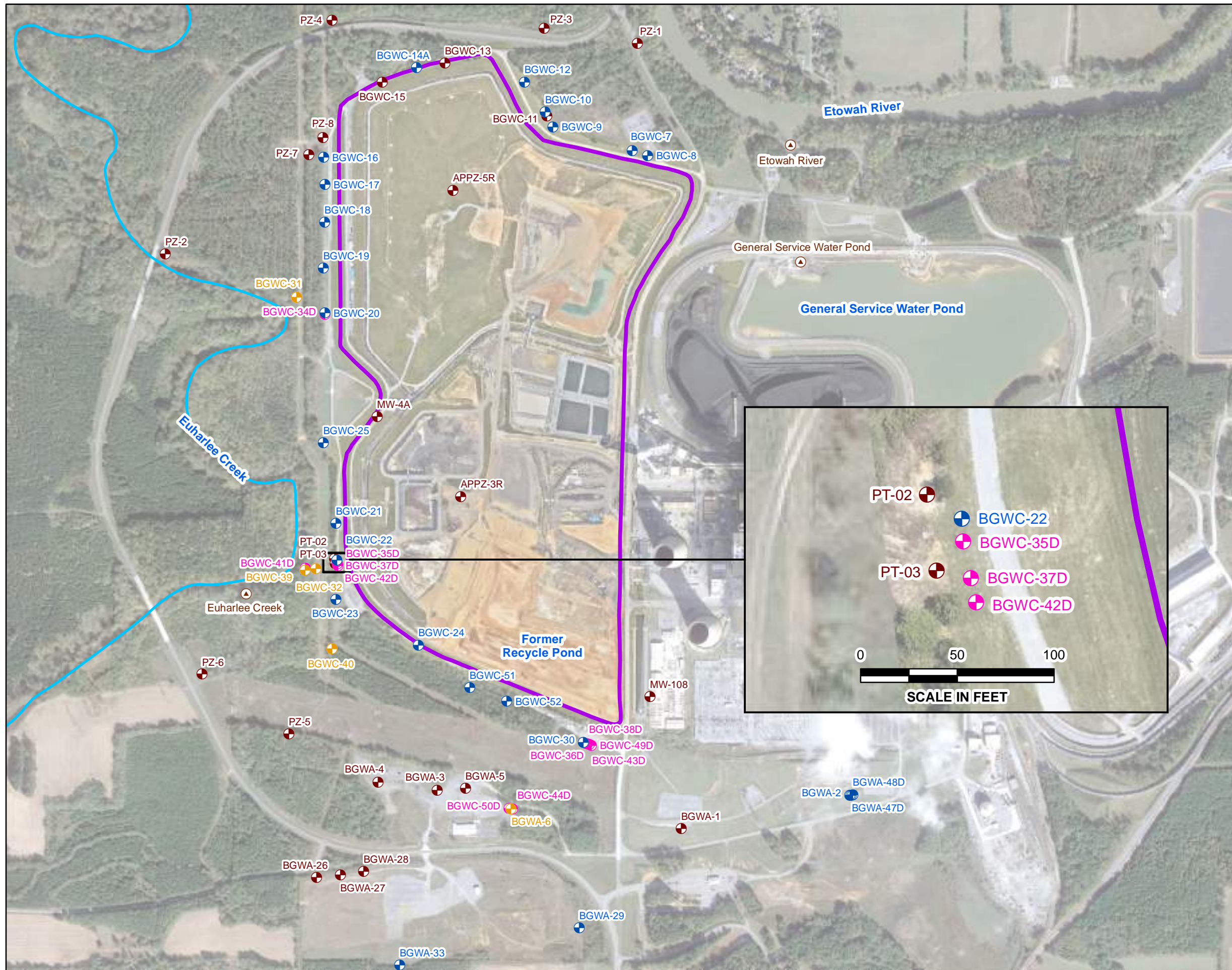
ft BTOC = feet below top of casing.

(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey completed by GEL Solutions and certified on November 20 and December 21, 2023.

(2) Vertical elevations are referenced to the North American Vertical Datum (NAVD) of 1988. Ground surface elevation defined at the survey nail installed within the well pad.

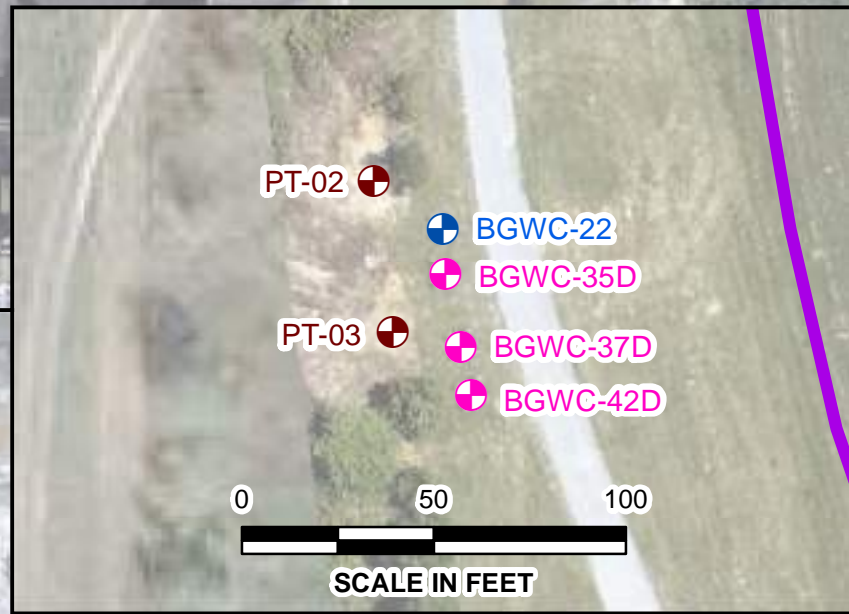
(3) Total well depth accounts for 4-inch sump.

FIGURE

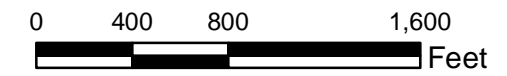


LEGEND

- Detection Monitoring Well
- Horizontal Assessment Monitoring Well
- Vertical Assessment Monitoring Well
- Piezometer
- Surface Water Transducer
- Approximate AP-1 Boundary
- Euharlee Creek



- Notes:
1. All wells and piezometers presented are screened within the weathered fractured bedrock.
 2. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, July 2023.



MONITORING WELL NETWORK MAP

GEORGIA POWER COMPANY
 PLANT BOWEN AP-1
 BARTOW COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec consultants

FIGURE
1

KENNESAW, GA

JANUARY 2024

APPENDIX A

Well Driller Performance Bond

CONTINUATION
CERTIFICATE

SAFECO Insurance Company of America

, Surety upon

a certain Bond No. **4993104**

dated effective June 30, 1987
(MONTH-DAY-YEAR)

on behalf of Southern Company Services, Inc.
(PRINCIPAL)

and in favor of Georgia Department of Natural Resources, Environmental Protection Division
(OBLIGEE)

does hereby continue said bond in force for the further period

beginning on June 30, 2023
(MONTH-DAY-YEAR)

and ending on June 30, 2024
(MONTH-DAY-YEAR)

Amount of bond Fifteen Thousand Dollars and 00/100 (\$15,000.00)

Description of bond Water Well Contractors & Drillers

Premium: \$100.00

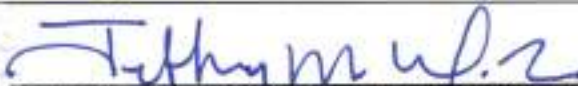
PROVIDED: That this continuation certificate does not create a new obligation and is executed upon the express condition and provision that the Surety's liability under said bond and this and all Continuation Certificates issued in connection therewith shall not be cumulative and that the said Surety's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

Signed and dated on 05/22/2023
(MONTH-DAY-YEAR)

SAFECO Insurance Company of America

175 Berkeley Street, Boston, MA 02116

By



Attorney-in-Fact Jeffrey M. Wilson, Attorney-in-Fact

McGriff Insurance Services, LLC

Agent

2211 7th Avenue South, Birmingham, AL 35233

Address of Agent

(205) 252-9871

Telephone Number of Agent



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

American States Insurance Company
First National Insurance Company of America
General Insurance Company of America
Safeco Insurance Company of America

Certificate No. 8205019-016032

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That American States Insurance Company is a corporation duly organized under the laws of the State of Indiana, that First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America are corporations duly organized under the laws of the State of New Hampshire (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Alisa B. Ferris; Anna Childress; Jeffrey M. Wilson; Mark W. Edwards II; Richard H. Mitchell; Robert R. Freel; Sam Audia; William M. Smith

all of the city of Birmingham state of AL each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 11th day of March, 2021.



American States Insurance Company
First National Insurance Company of America
General Insurance Company of America
Safeco Insurance Company of America

By: [Signature]
David M. Carey, Assistant Secretary

State of PENNSYLVANIA ss
County of MONTGOMERY

On this 11th day of March, 2021 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American States Insurance Company, First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, and that he, as such, being authorized to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



Commonwealth of Pennsylvania - Notary Seal
Teresa Pastella, Notary Public
Montgomery County
My commission expires March 26, 2025
Commission number 1126044
Member, Pennsylvania Association of Notaries

By: [Signature]
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-law and Authorizations of American States Insurance Company, First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America, which are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorney-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, whenever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, of American States Insurance Company, First National Insurance Company of America, General Insurance Company of America, and Safeco Insurance Company of America do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 22nd day of May, 2023.



By: [Signature]
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

For bond and/or Power of Attorney (POA) verification inquiries, please call 610-832-8240 or email HOSUR@libertymutual.com.



SURETY DIVISION
2211 7TH AVENUE SOUTH, BIRMINGHAM, AL 35233

MEAGAN CARTER

LETTER OF TRANSMITTAL

To: Clementine Broaders
Southern Power Company

Date: 5/22/2023

We are sending you:

- | | | |
|---|---|---|
| <input type="checkbox"/> Duplicate Original | <input type="checkbox"/> Consent of Surety | <input type="checkbox"/> Certificate of Insurance |
| <input checked="" type="checkbox"/> CC / VC | <input type="checkbox"/> Change Order | <input type="checkbox"/> Motor Fuel Bonds |
| <input type="checkbox"/> Invoice | <input type="checkbox"/> Financial/ Indemnity | <input type="checkbox"/> Bond |

No. of Copies: Description:

(1) CC

Bond No. 4993104

****Please review and notify if you should have any questions, or if changes or amendments are needed. ****

These are transmitted as checked below:

- | | | |
|--|---|--|
| <input type="checkbox"/> Info and/or necessary action in remarks | <input type="checkbox"/> For your file | <input checked="" type="checkbox"/> As requested |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Please sign as indicated and return |

REMARKS: UPS

If enclosures are not as noted, kindly notify at once.

Signed: Meagan Carter, Senior Client Service Specialist – Surety

CONTINUATION
CERTIFICATE

Atlantic Specialty Insurance Company

Surety upon

a certain Bond No. 800033976

dated effective September 27, 2017
(MONTH-DAY-YEAR)

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

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

does hereby continue said bond in force for the further period

beginning on June 30, 2023
(MONTH-DAY-YEAR)

and ending on June 30, 2025
(MONTH-DAY-YEAR)

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

Description of bond Performance Bond for Water Well Contractors

Premium:

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

Signed and dated on April 13, 2023
(MONTH-DAY-YEAR)

Atlantic Specialty Insurance Company

By 
ATTORNEY-IN-FACT Carlos A. Albelo



Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: Megan Skelley, Melissa Haddick, Sandra Parker, Orlando Aguirre, Stacy Killebrew, Carlos A. Albela, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: unlimited and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by its authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-Eighth day of September, 2012:

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

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

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

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

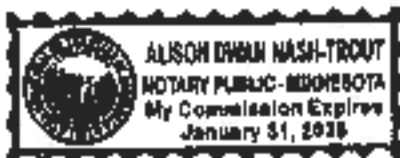
IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this first day of January, 2023.



By *Sarah A. Kolar*
Sarah A. Kolar, General Counsel

STATE OF MINNESOTA
HENNEPIN COUNTY

On this first day of January, 2023, before me personally came Sarah A. Kolar, General Counsel of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and she acknowledged the execution of the same, and being by me duly sworn, that she is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.



Alison Nash-Trout
Notary Public

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

Signed and sworn to: 13th day of April, 2023.



This Power of Attorney expires
January 31, 2025

Kara Barrow
Kara Barrow, Secretary

APPENDIX B

Boring, Geophysical and Well Construction Logs

CLIENT Southern Company Services	PROJECT NAME Plant Bowen PDI
PROJECT NUMBER GW6581H	PROJECT LOCATION Euharlee, Georgia
DATE STARTED 06/07/23 COMPLETED 07/25/23	NORTHING 1501336.13 EASTING 2064340.03
DRILLER SCS Civil Field Services / Cascade Drilling	GROUND ELEVATION 692.06 ft BORING DIAMETER 8.25 in / 5 in
DRILLING METHOD HSA / Rotasonic	TOP OF CASING ELEVATION 694.95 ft
SAMPLING METHOD SPT, HQ Core Barrel / Sonic Core	GEOPHYSICAL CONTRACTOR Earth Data Northeast
RIG TYPE CME / Rotasonic	LOGGED BY T. Payne CHECKED BY Christine Hug

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0					(0') Borehole cleared with hydrovac from 0-10 feet bgs.	Casing Top Elev: 694.95 (ft)
5						6 PVC outer casing from 0-26.4 ft bgs
10	SPT	100	3-5-8 (13)		(10') Lean CLAY (CL); cohesive, stiff, inorganic, low to medium plasticity, dry, brownish yellow (10YR 6/8). 682.1	2 Sch 40 PVC Riser
15	SPT	100	6-9-12 (21)		(13.5') Very stiff.	Approx. 40 gallon of Aquagard Bentonite Grout
20	SPT	67	5-9-8 (17)		(18.5') Cohesive, stiff, inorganic, medium plasticity, moist, brownish yellow (10YR 6/6).	
25	SPT	33	4-3-12 (15)		(23.5') Cohesive, stiff, nonorganic, low plasticity, dark yellowish brown (10YR 3/6), with coarse gravel. 666.6	Approx. 5 gallon of uncoated 3/8 Bentonite Pellets
30	CORE (100)				(25.5') Blueish gray LIMESTONE. (26.5') Vertical calcite veins from 26.5-29 feet bgs.	Approx. 9.5 gallon of #20/40 Sand
35	CORE (96)				(29.5') Interbedded calcite layers with Fe oxide staining up to 1/4 inch thick from 29.5-31 feet bgs, slightly weathered. (32') 2 inch calcite inclusion at 32 feet bgs. (34') Fracture with minor Fe oxide staining at 34 feet bgs, slightly	2 Pre-Pack, U-Pack Sch 40 PVC Slotted Screen (0.010)

ASHWINS_LOG GEOS PLANT BOWEN.GPJ GEOS ACP GINT LIBRARY.GLB 01/21/24

CLIENT Southern Company Services

PROJECT NAME Plant Bowen PDI

PROJECT NUMBER GW6581H

PROJECT LOCATION Euharlee, Georgia

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
35					weathered. (34.5') Fractures with Fe oxide staining from 34.5-35 feet bgs.	
	CORE (90)					
40					(40.5') ¼ inch calcite vein at 40.5 feet bgs.	
	CORE(100)					
45					(44.5') Vertical calcite veins from 44.5-45.5 feet bgs. (44.51') 2 inch calcite inclusion at 44.5 feet bgs.	
	CORE(100)				(46') Vertical calcite veins at 46 feet bgs.	
50						
55						
	CORE(100)					
60						
	CORE (96)				(61.75') Fractures with Fe oxide staining at 61.75 feet bgs, slightly weathered.	
65						
	CORE(100)					
70						
					622.0	

Bottom of borehole at 70.1 feet below ground surface (bgs).

PVC End Cap

Approx. 30 gallon of uncoated 3/8 Bentonite Pellets

ASHWINS_LOG GEOS PLANT BOWEN.GPJ GEOS ACP GINT LIBRARY.GLB 01/21/24

Borehole drilled to 69.5 ft bgs and overdrilled to 70.1 feet prior to well construction. Borehole diameter transitioned from 8.25 to 5 inches at 26.4 feet bgs.

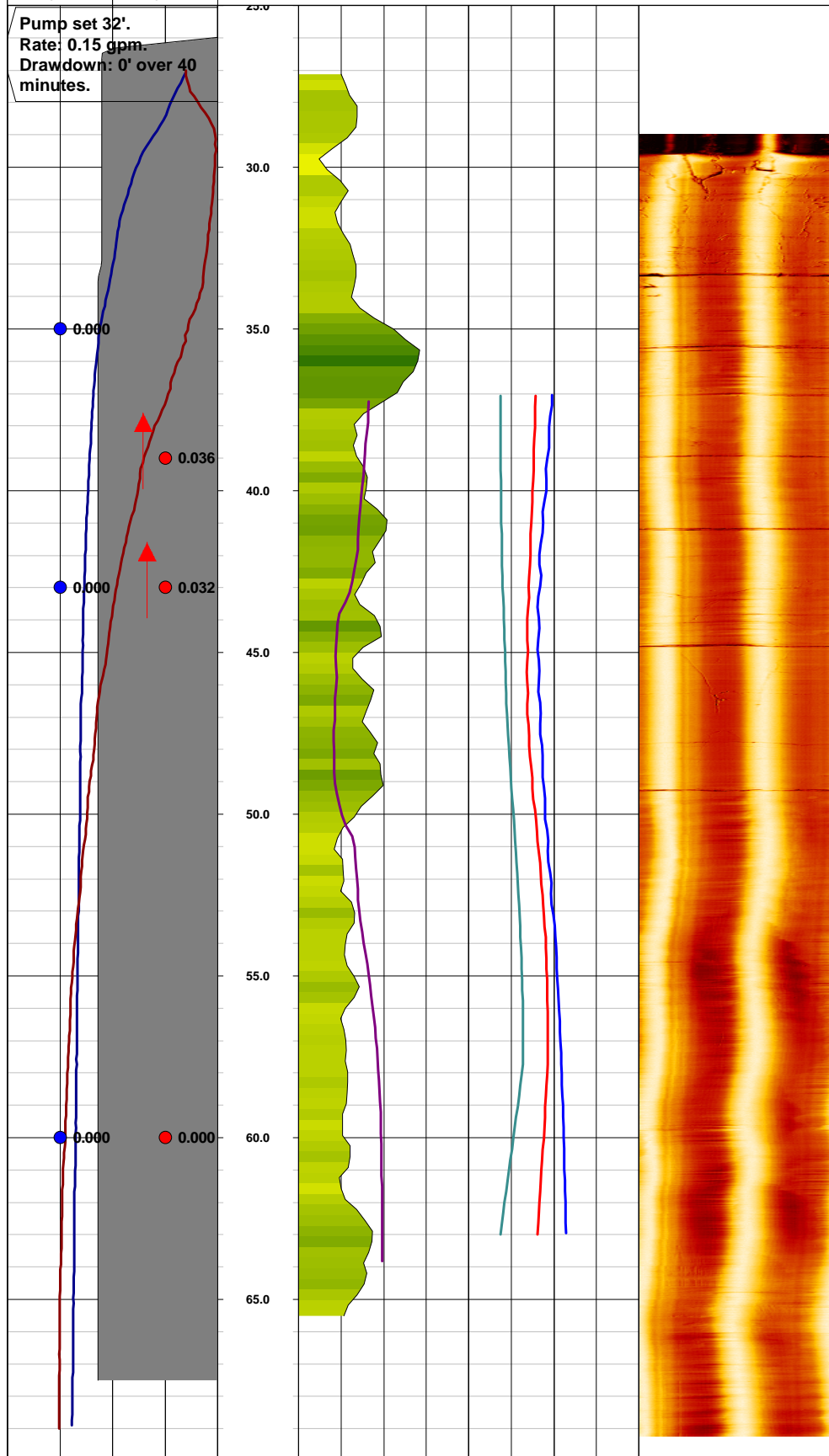


Client: **Geosyntec**
 Location: **Cartersville, GA**
 Well Name: **PDI-02^a**
 Date: **6/11/23**
 Depth Reference: **Ground Surface**
 Magnetic Declination: **-5.23°**
 North reference: **True North**

Borehole Diameter: **3.8"**
 Static Water Level: **25.81'**
 Casing Depth: **27'**
 Total Depth: **70'**

Borehole Diameter 3 in. 5	Depth 1in:5ft	Natural Gamma 0 cps 50	Short Normal Resistivity 0 Ohm-m 4500	Acoustic Televiewer 0° 90° 180° 270° 0°
Fluid Temperature 15 deg C 20		Spontaneous Potential 0 mV 1000	Long Normal Resistivity 0 Ohm-m 8000	
Fluid Conductivity 0 uS/cm 6500			Single-Point Resistance 0 Ohms 5000	
Ambient Flow gpm	Pumping Flow gpm			

Pump set 32'.
 Rate: 0.15 gpm.
 Drawdown: 0' over 40 minutes.



^aDesignation updated from PDI-02 to PT-02 upon completion of borehole as a piezometer.

CLIENT Southern Company Services	PROJECT NAME Plant Bowen PDI
PROJECT NUMBER GW6581H	PROJECT LOCATION Euharlee, Georgia
DATE STARTED 06/08/23	COMPLETED 12/15/23
DRILLER SCS Civil Field Services / Cascade Drilling	NORTHING 1501296.82
DRILLING METHOD HSA / Rotasonic	EASTING 2064344.95
SAMPLING METHOD SPT, HQ Core Barrel / Sonic Core	GROUND ELEVATION 693.05 ft
RIG TYPE CME / Rotasonic	BORING DIAMETER 8.25 in / 5 in
	TOP OF CASING ELEVATION 696.05 ft
	GEOPHYSICAL CONTRACTOR Earth Data Northeast
	LOGGED BY T. Payne
	CHECKED BY Christine Hug

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION	CONSTRUCTION DIAGRAM
0					(0') Borehole cleared with hydrovac from 0-10 feet bgs.	Casing Top Elev: 696.05 (ft)
5						6 PVC outer casing from 0-29.7 ft bgs
10	SPT	100	3-3-4 (7)		(10') Lean CLAY (CL); cohesive, firm, inorganic, low to medium plasticity, dry, brownish yellow (10YR 6/8). 683.1	2 Sch 40 PVC Riser
15	SPT	0	4-3-1 (4)		(13.5') No recovery. 679.6	Approx. 30 gallon of Aquagard Bentonite Grout
20	SPT	100	4-5-5 (10)		(15') Lean CLAY (CL); cohesive, soft, inorganic, low to medium plasticity, dry, brownish yellow (10YR 6/8). 678.1	
25	SPT	100	2-2-3 (5)		(18.5') Stiff. 669.6	
30	SPT	0	2-1-11 (12)		(23.5') Lean CLAY (CL); cohesive, firm, inorganic, medium plasticity, moist, reddish yellow (7.5YR 6/8). 664.6	Approx. 5 gallon of uncoated 3/8 Bentonite Pellets
35	CORE (83)				(28.5') No recovery. Bedrock encountered at 29.7 feet bgs. 663.1 (30') BEDROCK. 662.7	Approx. 10 gallon of #20/40 Sand
					(30.4') Blueish gray LIMESTONE; 30.4-31 feet bgs natural fracture zone with Fe oxide staining. (31') Approximately 2 inch thick calcite bedding from 31-32 feet bgs. (33') Natural fracture at 33 feet bgs, slightly weathered, approximately 2 inch thick calcite bedding from 33-33.5 feet bgs.	2 Pre-Pack, U-Pack Sch 40 PVC Slotted Screen (0.010)

ASHWINS_LOG GEOS PLANT BOWEN.GPJ GEOS ACP GINT LIBRARY.GLB 01/21/24

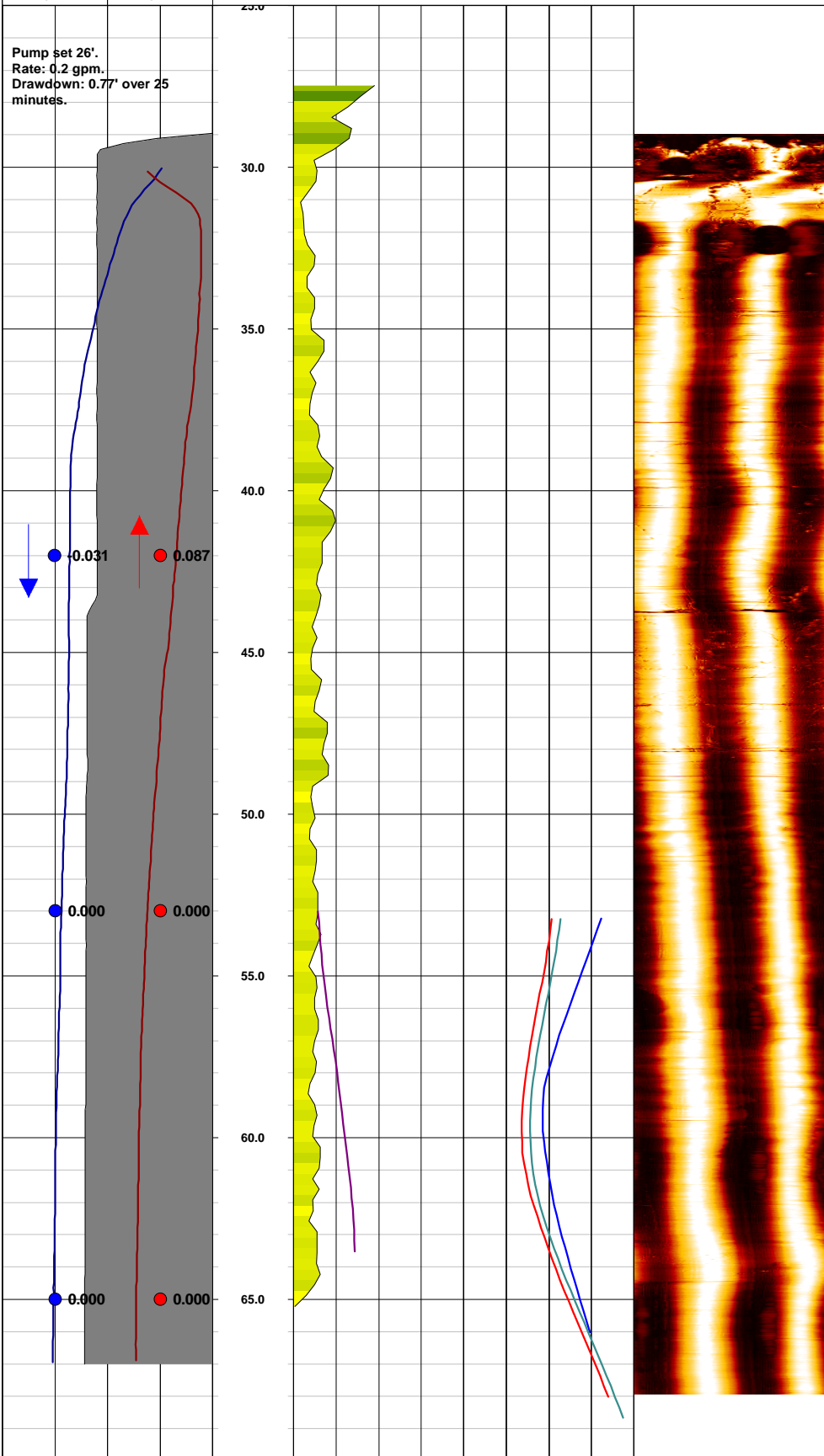


Client: **Geosyntec**
 Location: **Cartersville, GA**
 Well Name: **PDI-03^b**
 Date: **6/12/23**
 Depth Reference: **Ground Surface**
 Magnetic Declination: **-5.23°**
 North reference: **True North**

Borehole Diameter: **3.8"**
 Static Water Level: **27.38'**
 Casing Depth: **27'**
 Total Depth: **70'**

Borehole Diameter 3 in. 5	Depth 1in:5ft	Natural Gamma 0 cps 100	Short Normal Resistivity 0 Ohm-m 8000	Acoustic Televiewer 0° 90° 180° 270° 0°
Fluid Temperature 16 deg C 20		Spontaneous Potential 0 mV 1000	Long Normal Resistivity 0 Ohm-m 9000	
Fluid Conductivity 0 uS/cm 2000			Single-Point Resistance 0 Ohms 2000	
Ambient Flow gpm	Pumping Flow gpm			

Pump set 26'.
 Rate: 0.2 gpm.
 Drawdown: 0.77' over 25 minutes.



^bDesignation updated from PDI-03 to PT-03 upon completion of borehole as a piezometer.

APPENDIX C

Well Development Forms

Low-Flow Test Report:

Test Date / Time: 8/30/2023 01:05:08 PM

Project: Plant Bowen AP Development

Operator Name: Meredith Duncan

<p>Location Name: PT-02 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 31.94 ft Total Depth: 41.94 ft Initial Depth to Water: 28.57 ft</p>	<p>Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 36.94 ft Estimated Total Volume Pumped: 40000 ml Flow Cell Volume: 90 ml Final Flow Rate: 1000 ml/min Final Draw Down: 0.65 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789317</p>
---	---	---

Test Notes: Prepurge 182L. Revised TD 43.65ft.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/30/2023 1:05 PM	00:00	6.61 pH	24.54 °C	4,004.0 µS/cm	0.35 mg/L	8.92 NTU	163.4 mV	29.26 ft	2.15 PSU	1,000.00 ml/min
8/30/2023 1:09 PM	04:00	6.62 pH	22.64 °C	4,090.4 µS/cm	0.51 mg/L	9.77 NTU	143.1 mV	29.28 ft	2.20 PSU	1,000.00 ml/min
8/30/2023 1:13 PM	08:00	6.62 pH	22.91 °C	4,086.8 µS/cm	0.52 mg/L	9.24 NTU	130.5 mV	29.27 ft	2.19 PSU	1,000.00 ml/min
8/30/2023 1:17 PM	12:00	6.62 pH	22.87 °C	4,119.8 µS/cm	0.49 mg/L	8.02 NTU	122.7 mV	29.19 ft	2.21 PSU	1,000.00 ml/min
8/30/2023 1:21 PM	16:00	6.63 pH	22.63 °C	4,083.7 µS/cm	0.53 mg/L	7.58 NTU	118.2 mV	29.16 ft	2.19 PSU	1,000.00 ml/min
8/30/2023 1:25 PM	20:00	6.64 pH	22.50 °C	4,057.0 µS/cm	0.51 mg/L	7.23 NTU	115.0 mV	29.18 ft	2.18 PSU	1,000.00 ml/min
8/30/2023 1:29 PM	24:00	6.64 pH	22.65 °C	4,073.4 µS/cm	0.51 mg/L	6.62 NTU	112.4 mV	29.13 ft	2.19 PSU	1,000.00 ml/min
8/30/2023 1:33 PM	28:00	6.64 pH	22.62 °C	4,087.4 µS/cm	0.49 mg/L	6.65 NTU	110.4 mV	29.13 ft	2.19 PSU	1,000.00 ml/min
8/30/2023 1:37 PM	32:00	6.63 pH	22.72 °C	4,080.1 µS/cm	0.54 mg/L	7.03 NTU	108.8 mV	29.12 ft	2.19 PSU	1,000.00 ml/min
8/30/2023 1:41 PM	36:00	6.63 pH	22.90 °C	4,063.1 µS/cm	0.59 mg/L	6.45 NTU	107.5 mV	29.20 ft	2.18 PSU	1,000.00 ml/min
8/30/2023 1:45 PM	40:00	6.64 pH	22.67 °C	4,069.1 µS/cm	0.48 mg/L	6.49 NTU	107.0 mV	29.22 ft	2.18 PSU	1,000.00 ml/min

Samples

Sample ID:	Description:
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EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 8/30/23	Time (Calibration): 1330	Time (Mid-day Check): 1430
Asset/Tool SN: 789317	Turbidity Meter Type: la motte	SN: 9429-4417	
Project: Bowen AP Development	Weather Conditions: 72° Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				104.12	
Specific Conductance (µS/cm)	24000044 05/24	27.71	4490	4443.9	
pH (4)	24000044 05/24	27.97	4	3.98	
pH (7)	22290139 04/24	27.61	7	6.93	
pH (10)	22110130 04/24	27.49	10	9.87	
ORP (mV)	24002258 06/24	27.59	228	228.3	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.2 NTU	Yes	No	
Turbidity 1 NTU	1	0.98	±0.2 NTU	Yes	No	
Turbidity 10 NTU	10	1.02	±0.2 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	29.38	4	4.09	±0.1 SU	Yes	No	
Mid-Day pH (7) check	29.09	7	7.12	±0.1 SU	Yes	No	
Mid-Day pH (10) check	28.79	10	10.11	±0.1 SU	Yes	No	

Low-Flow Test Report:

Test Date / Time: 1/8/2024 10:38:21 AM

Project: Plant Bowen AP Development January 2024

Operator Name: William Laaker

Location Name: PT-03 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.14 ft Total Depth: 43.14 ft Initial Depth to Water: 30.08 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 38.14 ft Estimated Total Volume Pumped: 13200 ml Flow Cell Volume: 90 ml Final Flow Rate: 1000 ml/min Final Draw Down: 6.63 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
--	--	--

Test Notes:

Prepurged 72 L

Stable criteria in three consecutive readings; DTW dropped below pump.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/8/2024 10:38 AM	00:00	7.28 pH	14.45 °C	996.18 µS/cm	2.80 mg/L	3.20 NTU	-31.2 mV	32.00 ft	0.50 PSU	300.00 ml/min
1/8/2024 10:42 AM	04:00	7.36 pH	14.51 °C	976.50 µS/cm	3.83 mg/L	2.15 NTU	-39.9 mV	32.55 ft	0.48 PSU	1,000.00 ml/min
1/8/2024 10:46 AM	08:00	7.35 pH	15.52 °C	1,016.1 µS/cm	2.81 mg/L	1.66 NTU	-57.9 mV	32.92 ft	0.51 PSU	1,000.00 ml/min
1/8/2024 10:50 AM	12:00	7.37 pH	16.38 °C	1,007.5 µS/cm	1.42 mg/L	0.78 NTU	-65.1 mV	34.94 ft	0.50 PSU	1,000.00 ml/min
1/8/2024 10:54 AM	16:00	7.34 pH	15.95 °C	1,005.6 µS/cm	1.05 mg/L	2.19 NTU	-42.0 mV	36.71 ft	0.50 PSU	1,000.00 ml/min

Samples

Sample ID:	Description:
------------	--------------

Site Name: Brewer AP

Field Instrumentation Calibration Form

Date: 1/8/24Calibrated By: William LockerField Conditions: 48°/27° cloudy

Instrument	Manufacturer Model	Serial Number
Water Quality Meter	AquaTrol 400	789301
Turbidity Meter	LaMotte 2020	9453-4417

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance ($\mu\text{S}/\text{cm}$)	4.490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	06/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	10 03	Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature ($^{\circ}\text{C}$)	Acceptance Criteria	Reference
D.O. (%)	N/A	47.80	12.88	$\pm 10\%$	NA
Specific Conductance ($\mu\text{S}/\text{cm}$)	4.490	4526.4	13.07	$\pm 10\%$ of standard	EPA 2023
pH (SU)	4.00	4.04	13.32	± 0.1	GWMP
pH (SU)	7.00	7.10	13.81	± 0.1	GWMP
pH (SU)	10.00	10.14	14.13	± 0.1	GWMP
ORP (mV)	228.0	223.0	13.97	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.01	$\pm 10\%$ of standard	EPA 2023
	1.00	1.09		
	10.00	9.61		

Calibration Check					
Time Start	11 35	Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature ($^{\circ}\text{C}$)	Acceptance Criteria	Reference
Specific Conductance ($\mu\text{S}/\text{cm}$)	4.490	4511.4	12.67	$\pm 10\%$ of standard	EPA 2023
pH (SU)	4.00	4.06	12.61	± 0.1	GWMP
pH (SU)	7.00	7.11	12.85	± 0.1	GWMP
pH (SU)	10.00	10.12	12.76	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.00	$\pm 10\%$ of standard	EPA 2023
	1.00	1.03		
	10.00	9.70		

Notes

APPENDIX D

Certified Well Survey Data

Well ID	Casing Northing	Casing Easting	Top of Casing Elevation	Nail or Pad Northing	Nail or Pad Easting	Nail or Pad Elevation	Description
PT02 ^a	1501336.126	2064340.032	694.95	1501336.220	2064341.301	692.06	NAIL
GSWP	1503790.135	2068193.604	723.41	Shot point as directed by Anthony Szwast			
BM-B1	1504573.789	2067395.885	717.78				

^aSoil boring designation PDI-02 updated to PT-02 upon completion as a piezometer.

SURVEY DATA CERTIFICATION FOR SOUTHERN COMPANY TO DETERMINE NORTHING, EASTING, AND VERTICAL ELEVATION OF THE NAIL IN THE CONCRETE PAD & THE PVC WELL CASING. DATE OF FIELD SURVEY & INSPECTION: 11/15/2023. FIELD SURVEY POSITIONAL TOLERANCE=0.5 FEET HORIZONTAL-NAD'83, 0.01 VERTICAL-NAVD '88. EQUIPMENT USED FOR HORIZONTAL LOCATION: TRIMBLE R12i RTK GPS & TRIMBLE S5 ROBOTIC TOTAL STATION. THE VERTICAL LOCATION OF EACH SURVEYED POINT WAS ESTABLISHED BASED UPON LEVEL RUNS WITH A DIGITAL LEVEL LOOP FROM VERTICAL CONTROL ESTABLISHED BY ON-SITE BENCHMARK BM-B1 SET BY GEL SOLUTIONS USING A TRIMBLE DINI LEVEL



11/20/2023



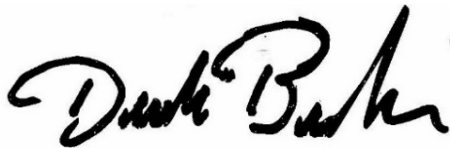
COA - LS003119
Exp. 06/30/2024

Well ID	Casing Northing	Casing Easting	Top of Casing Elevation	Nail or Pad Northing	Nail or Pad Easting	Nail or Pad Elevation	Description
PT-03 ^a	1501296.823	2064344.948	696.05	1501296.498	2064346.217	693.05	NAIL
PT-01 ^b	1501325.895	2064401.154	692.28				GROUND
PT-01A	1501320.007	2064409.470	692.36				GROUND
PT-01B	1501319.055	2064402.459	692.40				GROUND
PT-01C	1501325.720	2064399.295	692.21				GROUND
PT-01D	1501328.166	2064400.398	692.00				GROUND
BM-B1	1504573.789	2067395.885	717.78				

^aSoil boring designation PDI-03 updated to PT-03 upon completion as a piezometer.

^bSoil boring designation PDI-01 updated to PT-01 upon abandonment.

SURVEY DATA CERTIFICATION FOR SOUTHERN COMPANY TO DETERMINE NORTHING, EASTING, AND VERTICAL ELEVATION OF THE NAIL IN THE CONCRETE PAD & THE PVC WELL CASING. DATE OF FIELD SURVEY & INSPECTION: 12/19/2023. FIELD SURVEY POSITIONAL TOLERANCE=0.5 FEET HORIZONTAL-NAD'83, 0.01 VERTICAL-NAVD '88. EQUIPMENT USED FOR HORIZONTAL LOCATION: TRIMBLE R12i RTK GPS & TRIMBLE S5 ROBOTIC TOTAL STATION. THE VERTICAL LOCATION OF EACH SURVEYED POINT WAS ESTABLISHED BASED UPON LEVEL RUNS WITH A DIGITAL LEVEL LOOP FROM VERTICAL CONTROL ESTABLISHED BY ON-SITE BENCHMARK BM-B1 SET BY GEL SOLUTIONS USING A TRIMBLE DINI LEVEL



12/21/2023



COA - LS003119
Exp. 06/30/2024

APPENDIX B

Well Maintenance and Repair Documentation Memoranda

February 2023



MEMORANDUM

Date: January 31, 2023
To: Kristen Jurinko – Georgia Power
CC: Ben Hodges
From: Resolute Environmental
Subject: Plant Bowen Ash Pond - Well Maintenance and Repair Documentation
Georgia Power Company

Resolute Environmental has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at PLANT BOWEN during the semiannual reporting period. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GAEPD) guidance on routine visual inspections of groundwater monitoring wells.

Georgia Power Site/Unit	Date Performed	Well ID	Maintenance/ Repair Performed
Plant Bowen Ash Pond	1/30/23	BGWC-22	Developed Well
Plant Bowen Ash Pond	1/31/23	BGWC-38D	Developed Well
Plant Bowen Ash Pond	1/31/23	BGWC-43D	Developed Well

All maintenance and repairs are also documented in the 2023 annual/semiannual groundwater monitoring report.

ATTACHMENT

Well Inspection Forms

Groundwater Monitoring Well Integrity Form

Site Name Baker AP
 Permit Number _____
 Well ID BGWA-1
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AD
 Permit Number _____
 Well ID BC10A-2
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Excavate sediment and fill from vegetation/Air

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Baco
 Permit Number _____
 Well ID BACO-3
 Date 1/23/2023

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AD
 Permit Number _____
 Well ID BCWA-4
 Date, field conditions 1/23/23

	yes	no	n/a
1 Location/Identification			
a		X	
b	X		
c		X	
d		X	
2 Protective Casing			
a			
b			
c			
d			
e			
3 Surface pad			
a			
b			
c			
d			
e			
4 Internal casing			
a			
b			
c			
d			
e			
f			
5 Sampling: Groundwater Wells Only:			
a			X
b			X
c			X
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			

Well Inaccessible Due to Standing Water of 8 inches.

7 Corrective actions as needed, by date:

Standing Water around Well, 8 inches. Access limited after large rain events. Next Attention.

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown DAP
 Permit Number _____
 Well ID BG01-5
 Date 1/23/08 23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Burton AD
 Permit Number _____
 Well ID Burton 6
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bower AP
 Permit Number _____
 Well ID BGWC-7
 Date 11/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Power AP
 Permit Number _____
 Well ID BGWC-8
 Date 1/23/23

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bolton AP
 Permit Number _____
 Well ID PGWC-9
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-10
 Date 11/23/23

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWL-11
 Date 1/23/23

yes no n/a

1 Location/Identification

- a Is the well visible and accessible? yes no n/a
- b Is the well properly identified with the correct well ID? yes no n/a
- c Is the well in a high traffic area and does the well require protection from traffic? yes no n/a
- d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path) yes no n/a

2 Protective Casing

- a Is the protective casing free from apparent damage and able to be secured? yes no n/a
- b Is the casing free of degradation or deterioration? yes no n/a
- c Does the casing have a functioning weep hole? yes no n/a
- d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand? yes no n/a
- e Is the well locked and is the lock in good condition? yes no n/a

3 Surface pad

- a Is the well pad in good condition (not cracked or broken)? yes no n/a
- b Is the well pad sloped away from the protective casing? yes no n/a
- c Is the well pad in complete contact with the protective casing? yes no n/a
- d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on) yes no n/a
- e Is the pad surface clean (not covered with sediment or debris)? yes no n/a

4 Internal casing

- a Does the cap prevent entry of foreign material into the well? yes no n/a
- b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)? yes no n/a
- c Is the well properly vented for equilibration of air pressure? yes no n/a
- d Is the survey point clearly marked on the inner casing? yes no n/a
- e Is the depth of the well consistent with the original well log? yes no n/a
- f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction) yes no n/a

5 Sampling: Groundwater Wells Only:

- a Does well recharge adequately when purged? yes no n/a
- b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility? yes no n/a
- c Does the well require redevelopment (low flow, turbid)? yes no n/a

6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements? yes no n/a

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-12
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name _____
 Permit Number _____
 Well ID _____
 Date _____

Bowen AP

BGWC-13
 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-14A
 Date 11/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-15
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-16
 Date 1/23/23

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AP
 Permit Number _____
 Well ID BCWC-17
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AP
 Permit Number _____
 Well ID BGWC-18
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-19
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-20
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-21
 Date 11/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWL-22
 Date 11/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-23
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-24
 Date 1/23/23

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BLWC-25
 Date 11/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWA-26
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name
Permit Number
Well ID
Date

Bowen AP

BGWA-27

1/23/23

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name
Permit Number
Well ID
Date

Bowen AP

BGWA-28

1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name
Permit Number
Well ID
Date

Bower AP

BGWA-29

1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AD
 Permit Number _____
 Well ID Bowen 30
 Date 12/22/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AP
 Permit Number _____
 Well ID BGWC-31
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-32
 Date 11/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name _____
 Permit Number _____
 Well ID _____
 Date _____

Bouven AP

 RGWA-33

 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-34D
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWL-36D
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AD
 Permit Number _____
 Well ID BG101-36D
 Date 12/18/13

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID AGWC-37D
 Date 11/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Baldwin AP
 Permit Number _____
 Well ID BGND-38D
 Date 12/22/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name
Permit Number
Well ID
Date

Bowen AP

BGMW-39

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-40
 Date 1/23/23

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID BGWC-41D
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name BOWEN AP
 Permit Number _____
 Well ID BGWC-42D
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bacon DAP
 Permit Number _____
 Well ID BG001-43D
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bunker 23
 Permit Number _____
 Well ID RC-00-410
 Date 1/23/03

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

7 Corrective actions as needed, by date:
Check rebarbeding, Don walking on Pad Show
excess vegetation

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bacon AP
 Permit Number _____
 Well ID BG04-430
 Date 1/23/12 23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AP
 Permit Number _____
 Well ID BGWA-450
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Excess Sediment on Pad From Vegetation/Animals

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Barnum AP
 Permit Number _____
 Well ID BGUDC-4AD
 Date 1/23/2023

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Burro AD
 Permit Number _____
 Well ID BAD-500
 Date 1/23/2023

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AP
 Permit Number _____
 Well ID BG00-51
 Date 1/23/2023

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bow-DAD
 Permit Number _____
 Well ID BGDC-52
 Date 1/23/2023

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID PZ-1
 Date 1/3/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Barron AP
 Permit Number _____
 Well ID PZ-2
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Baker AD
 Permit Number _____
 Well ID PZ-3
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Baker AP
 Permit Number _____
 Well ID PZ-4
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AD
 Permit Number _____
 Well ID PZ-5
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown JAP
 Permit Number _____
 Well ID PZ-6
 Date 1/23/22

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID P2-7
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID PZ-8
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Broad AP
 Permit Number _____
 Well ID APPZ-35
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AP
 Permit Number _____
 Well ID APP2-32
 Date 1/23/23

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

Same as W-0

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Brown AD
 Permit Number _____
 Well ID APR2-55
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bacon
 Permit Number _____
 Well ID APPZ-52
 Date 1/23/23

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

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen AP
 Permit Number _____
 Well ID MW-108
 Date 1/23/23

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

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bayer AP
 Permit Number _____
 Well ID 264-4B
 Date 1/23/23

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

Flows Mount

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

August 2023

Resolute

Environmental & Water Resources Consulting

MEMORANDUM

Date: November 15, 2023

To: Kristen Jurinko – Georgia Power

CC: Ben Hodges

From: Resolute Environmental

Subject: Plant Bowen Ash Pond - Well Maintenance and Repair Documentation
Georgia Power Company

Resolute Environmental has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at PLANT BOWEN during the semiannual reporting period. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GAEPD) guidance on routine visual inspections of groundwater monitoring wells.

Georgia Power Site/Unit	Date Performed	Well ID	Maintenance/ Repair Performed
Plant Bowen Ash Pond	8/10/23	BGWC-35D	Developed Well
Plant Bowen Ash Pond	8/10/23	BGWC-37D	Developed Well
Plant Bowen Ash Pond	8/25/23	BGWC-24	Re-Install Dedicated Pump
Plant Bowen Ash Pond	8/25/23	BGWC-51	Re-Install Dedicated Pump
Plant Bowen Ash Pond	8/30/23	PT-02	Developed Well

All maintenance and repairs are also documented in the 2023 annual/semiannual groundwater monitoring report.

ATTACHMENT

Well Inspection Table

Well Inspection

Site Name: Plant Bowen AP

Date: 8/14/2023

Permit Number: 008-021D(CCR)

Field Conditions: Temps 99/72, 20%

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
BGWA-1	YES	YES	NO	YES
BGWA-2	YES	YES	NO	YES
BGWA-3	YES	YES	NO	YES
BGWA-4	YES	YES	NO	NO
BGWA-5	YES	YES	NO	YES
BGWA-6	YES	YES	NO	YES
BGWC-7	YES	YES	NO	YES
BGWC-8	YES	YES	NO	YES
BGWC-9	YES	YES	NO	YES
BGWC-10	YES	YES	NO	YES
BGWC-11	YES	YES	NO	YES
BGWC-12	YES	YES	NO	YES
BGWC-13	YES	YES	NO	YES
BGWC-14A	YES	YES	NO	YES
BGWC-15	YES	YES	NO	YES
BGWC-16	YES	YES	NO	YES
BGWC-17	YES	YES	NO	YES
BGWC-18	YES	YES	NO	YES
BGWC-19	YES	YES	NO	YES
BGWC-20	YES	YES	NO	YES
BGWC-21	YES	YES	NO	YES
BGWC-22	YES	YES	NO	YES
BGWC-23	YES	YES	NO	YES
BGWC-24	YES	YES	NO	YES
BGWC-25	YES	YES	NO	YES
BGWA-26	YES	YES	NO	YES
BGWA-27	YES	YES	NO	YES
BGWA-28	YES	YES	NO	YES
BGWA-29	YES	YES	NO	YES
BGWC-30	YES	YES	NO	YES
BGWC-31	YES	YES	NO	YES
BGWC-32	YES	YES	NO	YES
BGWA-33	YES	YES	NO	YES
BGWC-34D	YES	YES	NO	YES
BGWC-35D	YES	YES	NO	YES
BGWC-36D	YES	YES	NO	YES
BGWC-37D	YES	YES	NO	YES
BGWC-38D	YES	YES	NO	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 8/14/2023

Permit Number: 008-021D(CCR)

Field Conditions: Temps 99/72, 20%

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
BGWA-1	YES	YES	YES	YES	YES
BGWA-2	YES	YES	YES	YES	YES
BGWA-3	YES	YES	YES	YES	YES
BGWA-4	YES	YES	YES	YES	YES
BGWA-5	YES	YES	YES	YES	YES
BGWA-6	YES	YES	YES	YES	YES
BGWC-7	YES	YES	YES	YES	YES
BGWC-8	YES	YES	YES	YES	YES
BGWC-9	YES	YES	YES	YES	YES
BGWC-10	YES	YES	YES	YES	YES
BGWC-11	YES	YES	YES	YES	YES
BGWC-12	YES	YES	YES	YES	YES
BGWC-13	YES	YES	YES	YES	YES
BGWC-14A	YES	YES	YES	YES	YES
BGWC-15	YES	YES	YES	YES	YES
BGWC-16	YES	YES	YES	YES	YES
BGWC-17	YES	YES	YES	YES	YES
BGWC-18	YES	YES	YES	YES	YES
BGWC-19	YES	YES	YES	YES	YES
BGWC-20	YES	YES	YES	YES	YES
BGWC-21	YES	YES	YES	YES	YES
BGWC-22	YES	YES	YES	YES	YES
BGWC-23	YES	YES	YES	YES	YES
BGWC-24	YES	YES	YES	YES	YES
BGWC-25	YES	YES	YES	YES	YES
BGWA-26	YES	YES	YES	YES	YES
BGWA-27	YES	YES	YES	YES	YES
BGWA-28	YES	YES	YES	YES	YES
BGWA-29	YES	YES	YES	YES	YES
BGWC-30	YES	YES	YES	YES	YES
BGWC-31	YES	YES	YES	YES	YES
BGWC-32	YES	YES	YES	YES	YES
BGWA-33	YES	YES	YES	YES	YES
BGWC-34D	YES	YES	YES	YES	YES
BGWC-35D	YES	YES	YES	YES	YES
BGWC-36D	YES	YES	YES	YES	YES
BGWC-37D	YES	YES	YES	YES	YES
BGWC-38D	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 8/14/2023

Permit Number: 008-021D(CCR)

Field Conditions: Temps 99/72, 20%

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
BGWA-1	YES	YES	YES	YES	YES	YES
BGWA-2	YES	YES	YES	YES	YES	YES
BGWA-3	YES	YES	YES	YES	YES	YES
BGWA-4	YES	YES	YES	YES	YES	YES
BGWA-5	YES	YES	YES	YES	YES	YES
BGWA-6	YES	YES	YES	YES	YES	YES
BGWC-7	YES	YES	YES	YES	YES	YES
BGWC-8	YES	YES	YES	YES	YES	YES
BGWC-9	YES	YES	YES	YES	YES	YES
BGWC-10	YES	YES	YES	YES	YES	YES
BGWC-11	YES	YES	YES	YES	YES	YES
BGWC-12	YES	YES	YES	YES	YES	YES
BGWC-13	YES	YES	YES	YES	YES	YES
BGWC-14A	YES	YES	YES	YES	YES	YES
BGWC-15	YES	YES	YES	YES	YES	YES
BGWC-16	YES	YES	YES	YES	YES	YES
BGWC-17	YES	YES	YES	YES	YES	YES
BGWC-18	YES	YES	YES	YES	YES	YES
BGWC-19	YES	YES	YES	YES	YES	YES
BGWC-20	YES	YES	YES	YES	YES	YES
BGWC-21	YES	YES	YES	YES	YES	YES
BGWC-22	YES	YES	YES	YES	YES	YES
BGWC-23	YES	YES	YES	YES	YES	YES
BGWC-24	YES	YES	YES	YES	YES	YES
BGWC-25	YES	YES	YES	YES	YES	YES
BGWA-26	YES	YES	YES	YES	YES	YES
BGWA-27	YES	YES	YES	YES	YES	YES
BGWA-28	YES	YES	YES	YES	YES	YES
BGWA-29	YES	YES	YES	YES	YES	YES
BGWC-30	YES	YES	YES	YES	YES	YES
BGWC-31	YES	YES	YES	YES	YES	YES
BGWC-32	YES	YES	YES	YES	YES	YES
BGWA-33	YES	YES	YES	YES	YES	YES
BGWC-34D	YES	YES	YES	YES	YES	YES
BGWC-35D	YES	YES	YES	YES	YES	YES
BGWC-36D	YES	YES	YES	YES	YES	YES
BGWC-37D	YES	YES	YES	YES	YES	YES
BGWC-38D	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 8/14/2023

Permit Number: 008-021D(CCR)

Field Conditions: Temps 99/72, 20%

Well ID:	Corrective actions as needed, by date:
BGWA-1	
BGWA-2	
BGWA-3	
BGWA-4	Standing water around piezometer
BGWA-5	
BGWA-6	
BGWC-7	
BGWC-8	
BGWC-9	
BGWC-10	
BGWC-11	
BGWC-12	
BGWC-13	
BGWC-14A	
BGWC-15	
BGWC-16	
BGWC-17	
BGWC-18	
BGWC-19	
BGWC-20	
BGWC-21	
BGWC-22	
BGWC-23	
BGWC-24	
BGWC-25	
BGWA-26	
BGWA-27	
BGWA-28	
BGWA-29	
BGWC-30	
BGWC-31	
BGWC-32	
BGWA-33	
BGWC-34D	
BGWC-35D	
BGWC-36D	
BGWC-37D	
BGWC-38D	

Well Inspection

Site Name: Plant Bowen AP

Date: 8/14/2023

Permit Number: 008-021D(CCR)

Field Conditions: Temps 99/72, 20%

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
BGWC-39	YES	YES	NO	YES
BGWC-40	YES	YES	NO	YES
BGWC-41D	YES	YES	NO	YES
BGWC-42D	YES	YES	NO	YES
BGWC-43D	YES	YES	NO	YES
BGWC-44D	YES	YES	NO	YES
BGWA-47D	YES	YES	NO	YES
BGWA-48D	YES	YES	NO	YES
BGWC-49D	YES	YES	NO	YES
BGWC-50D	YES	YES	NO	YES
BGWC-51	YES	YES	NO	YES
BGWC-52	YES	YES	NO	YES
PZ-1	YES	YES	NO	YES
PZ-2	YES	YES	NO	YES
PZ-3	YES	YES	NO	YES
PZ-4	YES	YES	NO	YES
PZ-5	YES	YES	NO	YES
PZ-6	YES	YES	NO	YES
PZ-7	YES	YES	NO	YES
PZ-8	YES	YES	NO	YES
APPZ-3S	YES	YES	NO	NO
APPZ-3R	YES	YES	NO	NO
APPZ-5S	YES	YES	NO	YES
APPZ-5R	YES	YES	NO	YES
MW-4A	YES	YES	NO	YES
MW-108	YES	YES	NO	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 8/14/2023

Permit Number: 008-021D(CCR)

Field Conditions: Temps 99/72, 20%

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
BGWC-39	YES	YES	YES	YES	YES
BGWC-40	YES	YES	YES	YES	YES
BGWC-41D	YES	YES	YES	YES	YES
BGWC-42D	YES	YES	YES	YES	YES
BGWC-43D	YES	YES	YES	YES	YES
BGWC-44D	YES	YES	YES	YES	YES
BGWA-47D	YES	YES	YES	YES	YES
BGWA-48D	YES	YES	YES	YES	YES
BGWC-49D	YES	YES	YES	YES	YES
BGWC-50D	YES	YES	YES	YES	YES
BGWC-51	YES	YES	YES	YES	YES
BGWC-52	YES	YES	YES	YES	YES
PZ-1	YES	YES	YES	YES	YES
PZ-2	YES	YES	YES	YES	YES
PZ-3	YES	YES	YES	YES	YES
PZ-4	YES	YES	YES	YES	YES
PZ-5	YES	YES	YES	YES	YES
PZ-6	YES	YES	YES	YES	YES
PZ-7	YES	YES	YES	YES	YES
PZ-8	YES	YES	YES	YES	YES
APPZ-3S	YES	YES	YES	YES	YES
APPZ-3R	YES	YES	YES	YES	YES
APPZ-5S	YES	YES	YES	YES	YES
APPZ-5R	YES	YES	YES	YES	YES
MW-4A	YES	YES	YES	YES	YES
MW-108	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 8/14/2023

Permit Number: 008-021D(CCR)

Field Conditions: Temps 99/72, 20%

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
BGWC-39	YES	YES	YES	YES	YES	YES
BGWC-40	YES	YES	YES	YES	YES	YES
BGWC-41D	YES	YES	YES	YES	YES	YES
BGWC-42D	YES	YES	YES	YES	YES	YES
BGWC-43D	YES	YES	YES	YES	YES	YES
BGWC-44D	YES	YES	YES	YES	YES	YES
BGWA-47D	YES	YES	YES	YES	YES	YES
BGWA-48D	YES	YES	YES	YES	YES	YES
BGWC-49D	YES	YES	YES	YES	YES	YES
BGWC-50D	YES	YES	YES	YES	YES	YES
BGWC-51	YES	YES	YES	YES	YES	YES
BGWC-52	YES	YES	YES	YES	YES	YES
PZ-1	YES	YES	YES	YES	YES	YES
PZ-2	YES	YES	YES	YES	YES	YES
PZ-3	YES	YES	YES	YES	YES	YES
PZ-4	YES	YES	YES	YES	YES	YES
PZ-5	YES	YES	YES	YES	YES	YES
PZ-6	YES	YES	YES	YES	YES	YES
PZ-7	YES	YES	YES	YES	YES	YES
PZ-8	YES	YES	YES	YES	YES	YES
APPZ-3S	YES	YES	YES	YES	YES	YES
APPZ-3R	YES	YES	YES	YES	YES	YES
APPZ-5S	YES	YES	YES	YES	YES	YES
APPZ-5R	YES	YES	YES	YES	YES	YES
MW-4A	YES	YES	YES	YES	YES	YES
MW-108	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen AP

Date: 8/14/2023

Permit Number: 008-021D(CCR)

Field Conditions: Temps 99/72, 20%

	Corrective actions as needed, by date:
Well ID:	
BGWC-39	
BGWC-40	
BGWC-41D	
BGWC-42D	
BGWC-43D	
BGWC-44D	
BGWA-47D	
BGWA-48D	
BGWC-49D	
BGWC-50D	
BGWC-51	
BGWC-52	
PZ-1	
PZ-2	
PZ-3	
PZ-4	
PZ-5	
PZ-6	
PZ-7	
PZ-8	
APPZ-3S	Excessive sediment build-up around well.
APPZ-3R	Excessive sediment build-up around well.
APPZ-5S	
APPZ-5R	
MW-4A	
MW-108	

APPENDIX C

Analytical Laboratory Results and Field Sampling Forms

Laboratory Analytical Reports

February 2023

April 03, 2023

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen AP-1
Pace Project No.: 92649235

Dear Joju Abraham:

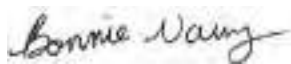
Enclosed are the analytical results for sample(s) received by the laboratory between January 27, 2023 and February 10, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power-CCR
Christine Hug, Geosyntec Consultants, Inc.
Kristen Jurinko
Thomas Kessler, Geosyntec
Whitney Law, Geosyntec Consultants
Laura Midkiff, Georgia Power
Noelia Muskus, Geosyntec Consultants
Michael Smilley, Georgia Power
Brian Steele, Stantec

Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec
Anthony Szwast, Geosyntec
Nardos Tilahun, GeoSyntec
Dawit Yifru, Geosyntec Consultants, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen AP-1

Pace Project No.: 92649235

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen AP-1
Pace Project No.: 92649235

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92649235001	BOW-BGWA-2	Water	01/24/23 15:27	01/27/23 12:10
92649235002	BOW-BGWA-29	Water	01/24/23 12:26	01/27/23 12:10
92649235003	BOW-BGWA-47D	Water	01/24/23 13:59	01/27/23 12:10
92649235004	BOW-BGWA-48D	Water	01/24/23 11:45	01/27/23 12:10
92649235005	BOW-BGWC-7	Water	01/26/23 11:48	01/27/23 12:10
92649235006	BOW-BGWC-8	Water	01/26/23 14:20	01/27/23 12:10
92649235007	BOW-BGWC-9	Water	01/26/23 15:35	01/27/23 12:10
92649235008	BOW-BGWC-12	Water	01/26/23 10:35	01/27/23 12:10
92649235009	BOW-BGWC-14A	Water	01/26/23 10:40	01/27/23 12:10
92649235010	BOW-BGWC-16	Water	01/26/23 11:52	01/27/23 12:10
92649235011	BOW-BGWC-17	Water	01/26/23 13:14	01/27/23 12:10
92649235012	BOW-BGWC-18	Water	01/26/23 14:52	01/27/23 12:10
92649235013	BOW-BGWA-6	Water	01/25/23 12:30	01/27/23 12:10
92649235014	BOW-BGWC-44D	Water	01/25/23 14:08	01/27/23 12:10
92649235015	BOW-AP1-FD-02	Water	01/26/23 00:00	01/27/23 12:10
92649235016	BOW-AP1-FD-01	Water	01/24/23 00:00	01/27/23 12:10
92649235017	BOW-BGWC-50D	Water	01/25/23 15:35	01/27/23 12:10
92649235018	BOW-AP1-FB-02	Water	01/25/23 15:48	01/27/23 12:10
92649235019	BOW-AP1-FB-01	Water	01/24/23 15:50	01/27/23 12:10
92649235020	BOW-AP1-FB-03	Water	01/26/23 15:48	01/27/23 12:10
92649235021	BOW-BGWC-10	Water	01/27/23 10:00	01/31/23 14:30
92649235022	BOW-BGWC-19	Water	01/27/23 10:20	01/31/23 14:30
92649235023	BOW-BGWC-21	Water	01/27/23 13:18	01/31/23 14:30
92649235024	BOW-BGWC-25	Water	01/27/23 13:30	01/31/23 14:30
92649235025	BOW-BGWC-31	Water	01/27/23 11:20	01/31/23 14:30
92649235026	BOW-AP1-FB-04	Water	01/27/23 11:10	01/31/23 14:30
92649235027	BOW-BGWC-20	Water	01/30/23 11:07	01/31/23 14:30
92649235028	BOW-BGWC-34D	Water	01/30/23 13:35	01/31/23 14:30
92649235029	BOW-BGWC-35D	Water	01/30/23 10:35	01/31/23 14:30
92649235030	BOW-BGWC-37D	Water	01/30/23 12:35	01/31/23 14:30
92649235031	BOW-BGWC-42D	Water	01/30/23 14:35	01/31/23 14:30
92649235032	BOW-AP1-FD-03	Water	01/30/23 00:00	01/31/23 14:30
92649235033	BOW-AP1-FB-05	Water	01/30/23 15:45	01/31/23 14:30
92649235034	BOW-BGWC-32	Water	01/31/23 12:22	02/02/23 08:40
92649235035	BOW-BGWC-40	Water	01/31/23 10:40	02/02/23 08:40
92649235036	BOW-BGWC-51	Water	01/31/23 13:00	02/02/23 08:40
92649235037	BOW-BGWC-52	Water	01/31/23 15:00	02/02/23 08:40

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SAMPLE SUMMARY

Project: Bowen AP-1

Pace Project No.: 92649235

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92649235038	BOW-AP1-EB-01	Water	01/31/23 13:55	02/02/23 08:40
92649235039	BOW-AP1-FB-06	Water	01/31/23 13:40	02/02/23 08:40
92649235040	BOW-BGWC-24	Water	02/01/23 14:43	02/02/23 08:40
92649235041	BOW-BGWC-30	Water	02/01/23 15:30	02/02/23 08:40
92649235042	BOW-BGWC-36D	Water	02/01/23 13:50	02/02/23 08:40
92649235043	BOW-BGWC-41D	Water	02/01/23 10:13	02/02/23 08:40
92649235044	BOW-BGWC-49D	Water	02/01/23 11:55	02/02/23 08:40
92649235045	BOW-AP1-FD-04	Water	02/01/23 00:00	02/02/23 08:40
92649235046	BOW-AP1-EB-02	Water	02/01/23 16:15	02/02/23 08:40
92649235047	BOW-AP1-FB-07	Water	02/01/23 16:05	02/02/23 08:40
92649235048	BOW-BGWA-33	Water	02/02/23 09:55	02/07/23 11:50
92649235049	BOW-BGWC-23	Water	02/02/23 10:40	02/07/23 11:50
92649235050	BOW-BGWC-39	Water	02/02/23 11:42	02/07/23 11:50
92649235051	BOW-PZ-7	Water	02/02/23 13:05	02/07/23 11:50
92649235052	BOW-AP1-EB-03	Water	02/02/23 13:10	02/07/23 11:50
92649235053	BOW-AP1-FB-08	Water	02/02/23 13:00	02/07/23 11:50
92649235054	BOW-BGWC-22	Water	02/07/23 11:00	02/10/23 15:30
92649235055	BOW-BGWC-38D	Water	02/07/23 15:36	02/10/23 15:30
92649235056	BOW-BGWC-43D	Water	02/07/23 11:39	02/10/23 15:30
92649235057	BOW-AP1-FD-05	Water	02/07/23 00:00	02/10/23 15:30
92649235058	BOW-AP1-EB-04	Water	02/07/23 13:30	02/10/23 15:30
92649235059	BOW-AP1-FB-9	Water	02/07/23 13:25	02/10/23 15:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92649235

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92649235001	BOW-BGWA-2	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235002	BOW-BGWA-29	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235003	BOW-BGWA-47D	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235004	BOW-BGWA-48D	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235005	BOW-BGWC-7	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235006	BOW-BGWC-8	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235007	BOW-BGWC-9	EPA 6010D	DRB	6

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92649235

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235008	BOW-BGWC-12	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235009	BOW-BGWC-14A	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235010	BOW-BGWC-16	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235011	BOW-BGWC-17	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235012	BOW-BGWC-18	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235013	BOW-BGWA-6	EPA 6010D	DRB	6
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
 Pace Project No.: 92649235

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92649235014	BOW-BGWC-44D	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235015	BOW-AP1-FD-02	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235016	BOW-AP1-FD-01	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	6
		EPA 6020B	CW1	13
92649235017	BOW-BGWC-50D	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235018	BOW-AP1-FB-02	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235019	BOW-AP1-FB-01	EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
 Pace Project No.: 92649235

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92649235020	BOW-AP1-FB-03	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235021	BOW-BGWC-10	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92649235022	BOW-BGWC-19	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235023	BOW-BGWC-21	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	6
92649235024	BOW-BGWC-25	EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
92649235025	BOW-BGWC-31	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92649235

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92649235026	BOW-AP1-FB-04	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235027	BOW-BGWC-20	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235028	BOW-BGWC-34D	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235029	BOW-BGWC-35D	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235030	BOW-BGWC-37D	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235031	BOW-BGWC-42D	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92649235

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92649235032	BOW-AP1-FD-03	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92649235033	BOW-AP1-FB-05	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92649235034	BOW-BGWC-32	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92649235035	BOW-BGWC-40	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92649235036	BOW-BGWC-51	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92649235037	BOW-BGWC-52	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
 Pace Project No.: 92649235

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92649235038	BOW-AP1-EB-01	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235039	BOW-AP1-FB-06	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235040	BOW-BGWC-24	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235041	BOW-BGWC-30	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235042	BOW-BGWC-36D	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235043	BOW-BGWC-41D	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235044	BOW-BGWC-49D	EPA 6010D	MS	6

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92649235

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235045	BOW-AP1-FD-04	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235046	BOW-AP1-EB-02	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235047	BOW-AP1-FB-07	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235048	BOW-BGWA-33	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235049	BOW-BGWC-23	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235050	BOW-BGWC-39	EPA 6010D	MS	6
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92649235

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235051	BOW-PZ-7	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235052	BOW-AP1-EB-03	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235053	BOW-AP1-FB-08	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235054	BOW-BGWC-22	EPA 6010D	DRB, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92649235055	BOW-BGWC-38D	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92649235056	BOW-BGWC-43D	EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
 Pace Project No.: 92649235

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92649235057	BOW-AP1-FD-05	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235058	BOW-AP1-EB-04	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92649235059	BOW-AP1-FB-9	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville
 PASI-C = Pace Analytical Services - Charlotte
 PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235001	BOW-BGWA-2					
	Performed by	Client			02/13/23 17:22	
	Collected By	MD			02/13/23 17:22	
	Collected Date	1/24/23			02/13/23 17:22	
	Collected Time	15:27			02/13/23 17:22	
	pH	7.32	Std. Units		02/13/23 17:22	
EPA 6010D	Iron	0.079	mg/L	0.040	02/02/23 23:30	
EPA 6010D	Manganese	0.0051J	mg/L	0.040	02/02/23 23:30	
EPA 6010D	Potassium	1.7	mg/L	0.20	02/02/23 23:30	
EPA 6010D	Sodium	3.1	mg/L	1.0	02/02/23 23:30	
EPA 6010D	Calcium	51.4	mg/L	1.0	02/02/23 23:30	
EPA 6010D	Magnesium	21.5	mg/L	0.050	02/02/23 23:30	
EPA 6020B	Barium	0.10	mg/L	0.0050	02/03/23 18:02	
EPA 6020B	Boron	0.010J	mg/L	0.040	02/03/23 18:02	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	02/03/23 18:02	
SM 2540C-2015	Total Dissolved Solids	223	mg/L	25.0	01/30/23 19:51	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	213	mg/L	5.0	01/31/23 16:43	
SM 2320B-2011	Alkalinity, Total as CaCO3	213	mg/L	5.0	01/31/23 16:43	
EPA 300.0 Rev 2.1 1993	Chloride	3.4	mg/L	1.0	02/01/23 01:44	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	02/01/23 01:44	
EPA 300.0 Rev 2.1 1993	Sulfate	12.5	mg/L	1.0	02/01/23 01:44	
92649235002	BOW-BGWA-29					
	Performed by	Client			02/13/23 17:23	
	Collected By	KS			02/13/23 17:23	
	Collected Date	1/24/23			02/13/23 17:23	
	Collected Time	12:26			02/13/23 17:23	
	pH	7.77	Std. Units		02/13/23 17:23	
EPA 6010D	Iron	0.027J	mg/L	0.040	02/02/23 23:34	
EPA 6010D	Manganese	0.0056J	mg/L	0.040	02/02/23 23:34	
EPA 6010D	Potassium	0.63	mg/L	0.20	02/02/23 23:34	
EPA 6010D	Sodium	2.7	mg/L	1.0	02/02/23 23:34	
EPA 6010D	Calcium	21.0	mg/L	1.0	02/02/23 23:34	M1
EPA 6010D	Magnesium	10.7	mg/L	0.050	02/02/23 23:34	M1
EPA 6020B	Barium	0.012	mg/L	0.0050	02/03/23 18:08	
SM 2540C-2015	Total Dissolved Solids	129	mg/L	25.0	01/30/23 19:52	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	92.1	mg/L	5.0	01/31/23 14:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	92.1	mg/L	5.0	01/31/23 14:19	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/01/23 02:02	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	02/01/23 02:02	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/01/23 02:02	
92649235003	BOW-BGWA-47D					
	Performed by	Client			02/13/23 17:23	
	Collected By	MD			02/13/23 17:23	
	Collected Date	1/24/23			02/13/23 17:23	
	Collected Time	13:59			02/13/23 17:23	
	pH	6.72	Std. Units		02/13/23 17:23	
EPA 6010D	Iron	0.033J	mg/L	0.040	02/02/23 23:54	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235003	BOW-BGWA-47D					
EPA 6010D	Manganese	0.0099J	mg/L	0.040	02/02/23 23:54	
EPA 6010D	Potassium	1.6	mg/L	0.20	02/02/23 23:54	
EPA 6010D	Sodium	5.4	mg/L	1.0	02/02/23 23:54	
EPA 6010D	Calcium	109	mg/L	1.0	02/02/23 23:54	
EPA 6010D	Magnesium	21.2	mg/L	0.050	02/02/23 23:54	
EPA 6020B	Barium	0.059	mg/L	0.0050	02/03/23 18:14	
EPA 6020B	Boron	0.016J	mg/L	0.040	02/03/23 18:14	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	02/03/23 18:14	
EPA 7470A	Mercury	0.00022	mg/L	0.00020	02/17/23 08:49	
SM 2540C-2015	Total Dissolved Solids	391	mg/L	25.0	01/30/23 19:53	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	301	mg/L	5.0	01/31/23 16:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	301	mg/L	5.0	01/31/23 16:52	
EPA 300.0 Rev 2.1 1993	Chloride	5.2	mg/L	1.0	02/01/23 02:19	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	02/01/23 02:19	
EPA 300.0 Rev 2.1 1993	Sulfate	67.2	mg/L	1.0	02/01/23 02:19	
92649235004	BOW-BGWA-48D					
	Performed by	Client			02/13/23 17:24	
	Collected By	MD			02/13/23 17:24	
	Collected Date	1/24/23			02/13/23 17:24	
	Collected Time	11:45			02/13/23 17:24	
	pH	7.32	Std. Units		02/13/23 17:24	
EPA 6010D	Iron	0.15	mg/L	0.040	02/02/23 23:59	
EPA 6010D	Manganese	0.018J	mg/L	0.040	02/02/23 23:59	
EPA 6010D	Potassium	1.3	mg/L	0.20	02/02/23 23:59	
EPA 6010D	Sodium	54.2	mg/L	1.0	02/02/23 23:59	
EPA 6010D	Calcium	40.7	mg/L	1.0	02/02/23 23:59	
EPA 6010D	Magnesium	12.2	mg/L	0.050	02/02/23 23:59	
EPA 6020B	Barium	0.024	mg/L	0.0050	02/03/23 18:20	
EPA 6020B	Boron	0.014J	mg/L	0.040	02/03/23 18:20	
EPA 6020B	Molybdenum	0.0070J	mg/L	0.010	02/03/23 18:20	
SM 2540C-2015	Total Dissolved Solids	280	mg/L	25.0	01/30/23 19:53	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	226	mg/L	5.0	01/31/23 17:01	
SM 2320B-2011	Alkalinity, Total as CaCO3	226	mg/L	5.0	01/31/23 17:01	
EPA 300.0 Rev 2.1 1993	Chloride	4.3	mg/L	1.0	02/01/23 03:11	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	02/01/23 03:11	
EPA 300.0 Rev 2.1 1993	Sulfate	22.4	mg/L	1.0	02/01/23 03:11	
92649235005	BOW-BGWC-7					
	Performed by	Client			02/13/23 17:25	
	Collected By	KS			02/13/23 17:25	
	Collected Date	1/26/23			02/13/23 17:25	
	Collected Time	11:48			02/13/23 17:25	
	pH	6.63	Std. Units		02/13/23 17:25	
EPA 6010D	Iron	0.63	mg/L	0.040	02/03/23 00:04	
EPA 6010D	Manganese	0.024J	mg/L	0.040	02/03/23 00:04	
EPA 6010D	Potassium	3.6	mg/L	0.20	02/03/23 00:04	
EPA 6010D	Sodium	22.5	mg/L	1.0	02/03/23 00:04	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235005	BOW-BGWC-7					
EPA 6010D	Calcium	146	mg/L	1.0	02/03/23 00:04	
EPA 6010D	Magnesium	44.9	mg/L	0.050	02/03/23 00:04	
EPA 6020B	Arsenic	0.0025J	mg/L	0.0050	02/03/23 18:26	
EPA 6020B	Barium	0.029	mg/L	0.0050	02/03/23 18:26	
EPA 6020B	Boron	1.0	mg/L	0.040	02/03/23 18:26	
EPA 6020B	Cobalt	0.00068J	mg/L	0.0050	02/03/23 18:26	
EPA 6020B	Lithium	0.0065J	mg/L	0.030	02/03/23 18:26	
EPA 6020B	Molybdenum	0.0096J	mg/L	0.010	02/03/23 18:26	
EPA 6020B	Thallium	0.00019J	mg/L	0.0010	02/03/23 18:26	
SM 2540C-2015	Total Dissolved Solids	657	mg/L	25.0	01/30/23 19:58	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	307	mg/L	5.0	02/01/23 13:59	
SM 2320B-2011	Alkalinity, Total as CaCO3	307	mg/L	5.0	02/01/23 13:59	
EPA 300.0 Rev 2.1 1993	Chloride	7.5	mg/L	1.0	02/01/23 03:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	02/01/23 03:29	
EPA 300.0 Rev 2.1 1993	Sulfate	253	mg/L	5.0	02/01/23 17:02	
92649235006	BOW-BGWC-8					
	Performed by	Client			02/13/23 17:26	
	Collected By	KS			02/13/23 17:26	
	Collected Date	1/26/23			02/13/23 17:26	
	Collected Time	14:20			02/13/23 17:26	
	pH	7.34	Std. Units		02/13/23 17:26	
EPA 6010D	Iron	0.055	mg/L	0.040	02/03/23 00:18	
EPA 6010D	Potassium	2.9	mg/L	0.20	02/03/23 00:18	
EPA 6010D	Sodium	4.8	mg/L	1.0	02/03/23 00:18	
EPA 6010D	Calcium	42.8	mg/L	1.0	02/03/23 00:18	
EPA 6010D	Magnesium	14.3	mg/L	0.050	02/03/23 00:18	
EPA 6020B	Barium	0.029	mg/L	0.0050	02/03/23 18:32	
EPA 6020B	Boron	0.051	mg/L	0.040	02/03/23 18:32	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	02/03/23 18:32	
EPA 6020B	Molybdenum	0.00095J	mg/L	0.010	02/03/23 18:32	
SM 2540C-2015	Total Dissolved Solids	190	mg/L	25.0	01/30/23 19:59	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	155	mg/L	5.0	01/31/23 19:46	
SM 2320B-2011	Alkalinity, Total as CaCO3	155	mg/L	5.0	01/31/23 19:46	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	02/01/23 03:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.063J	mg/L	0.10	02/01/23 03:46	
EPA 300.0 Rev 2.1 1993	Sulfate	24.3	mg/L	1.0	02/01/23 03:46	
92649235007	BOW-BGWC-9					
	Performed by	Client			02/13/23 17:26	
	Collected By	MD			02/13/23 17:26	
	Collected Date	1/26/23			02/13/23 17:26	
	Collected Time	15:35			02/13/23 17:26	
	pH	7.04	Std. Units		02/13/23 17:26	
EPA 6010D	Iron	0.28	mg/L	0.040	02/03/23 00:23	
EPA 6010D	Manganese	0.028J	mg/L	0.040	02/03/23 00:23	
EPA 6010D	Potassium	2.6	mg/L	0.20	02/03/23 00:23	
EPA 6010D	Sodium	11.6	mg/L	1.0	02/03/23 00:23	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235007	BOW-BGWC-9					
EPA 6010D	Calcium	62.4	mg/L	1.0	02/03/23 00:23	
EPA 6010D	Magnesium	24.8	mg/L	0.050	02/03/23 00:23	
EPA 6020B	Barium	0.027	mg/L	0.0050	02/03/23 18:50	
EPA 6020B	Boron	0.41	mg/L	0.040	02/03/23 18:50	
EPA 6020B	Chromium	0.0021J	mg/L	0.0050	02/03/23 18:50	
EPA 6020B	Lithium	0.0018J	mg/L	0.030	02/03/23 18:50	
EPA 6020B	Molybdenum	0.0020J	mg/L	0.010	02/03/23 18:50	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	02/03/23 18:50	
EPA 6020B	Thallium	0.00018J	mg/L	0.0010	02/03/23 18:50	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	02/17/23 09:05	
SM 2540C-2015	Total Dissolved Solids	301	mg/L	25.0	01/30/23 19:59	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	216	mg/L	5.0	02/01/23 14:07	
SM 2320B-2011	Alkalinity, Total as CaCO3	216	mg/L	5.0	02/01/23 14:07	
EPA 300.0 Rev 2.1 1993	Chloride	7.5	mg/L	1.0	02/01/23 04:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.090J	mg/L	0.10	02/01/23 04:04	
EPA 300.0 Rev 2.1 1993	Sulfate	63.6	mg/L	1.0	02/01/23 04:04	
92649235008	BOW-BGWC-12					
	Performed by	Client			02/13/23 17:27	
	Collected By	MD			02/13/23 17:27	
	Collected Date	1/26/23			02/13/23 17:27	
	Collected Time	10:35			02/13/23 17:27	
	pH	6.68	Std. Units		02/13/23 17:27	
EPA 6010D	Iron	0.026J	mg/L	0.040	02/03/23 00:28	
EPA 6010D	Manganese	0.0049J	mg/L	0.040	02/03/23 00:28	
EPA 6010D	Potassium	3.5	mg/L	0.20	02/03/23 00:28	
EPA 6010D	Sodium	39.8	mg/L	1.0	02/03/23 00:28	
EPA 6010D	Calcium	178	mg/L	1.0	02/03/23 00:28	
EPA 6010D	Magnesium	61.2	mg/L	0.050	02/03/23 00:28	
EPA 6020B	Barium	0.052	mg/L	0.0050	02/03/23 18:56	
EPA 6020B	Boron	1.3	mg/L	0.040	02/03/23 18:56	
EPA 6020B	Chromium	0.0018J	mg/L	0.0050	02/03/23 18:56	
EPA 6020B	Cobalt	0.00045J	mg/L	0.0050	02/03/23 18:56	
EPA 6020B	Lithium	0.0013J	mg/L	0.030	02/03/23 18:56	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	02/17/23 09:07	
SM 2540C-2015	Total Dissolved Solids	995	mg/L	25.0	01/30/23 20:00	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	318	mg/L	5.0	02/21/23 18:04	H1
SM 2320B-2011	Alkalinity, Total as CaCO3	318	mg/L	5.0	02/21/23 18:04	H1
EPA 300.0 Rev 2.1 1993	Chloride	14.5	mg/L	1.0	02/01/23 04:21	
EPA 300.0 Rev 2.1 1993	Fluoride	0.083J	mg/L	0.10	02/01/23 04:21	
EPA 300.0 Rev 2.1 1993	Sulfate	463	mg/L	9.0	02/01/23 17:54	
92649235009	BOW-BGWC-14A					
	Performed by	Client			02/13/23 17:28	
	Collected By	WL			02/13/23 17:28	
	Collected Date	1/26/23			02/13/23 17:28	
	Collected Time	10:40			02/13/23 17:28	
	pH	6.91	Std. Units		02/13/23 17:28	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235009	BOW-BGWC-14A					
EPA 6010D	Iron	0.084	mg/L	0.040	02/03/23 00:33	
EPA 6010D	Manganese	0.33	mg/L	0.040	02/03/23 00:33	
EPA 6010D	Potassium	4.3	mg/L	0.20	02/03/23 00:33	
EPA 6010D	Sodium	16.6	mg/L	1.0	02/03/23 00:33	
EPA 6010D	Calcium	117	mg/L	1.0	02/03/23 00:33	
EPA 6010D	Magnesium	35.6	mg/L	0.050	02/03/23 00:33	
EPA 6020B	Barium	0.025	mg/L	0.0050	02/03/23 19:02	
EPA 6020B	Boron	0.69	mg/L	0.040	02/03/23 19:02	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	02/03/23 19:02	
EPA 6020B	Cobalt	0.0033J	mg/L	0.0050	02/03/23 19:02	
EPA 6020B	Lithium	0.00077J	mg/L	0.030	02/03/23 19:02	
EPA 6020B	Molybdenum	0.0016J	mg/L	0.010	02/03/23 19:02	
EPA 6020B	Thallium	0.00048J	mg/L	0.0010	02/03/23 19:02	
SM 2540C-2015	Total Dissolved Solids	554	mg/L	25.0	01/30/23 20:01	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	243	mg/L	5.0	02/21/23 18:13	H1
SM 2320B-2011	Alkalinity, Total as CaCO3	243	mg/L	5.0	02/21/23 18:13	H1
EPA 300.0 Rev 2.1 1993	Chloride	10.9	mg/L	1.0	02/01/23 05:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.084J	mg/L	0.10	02/01/23 05:13	
EPA 300.0 Rev 2.1 1993	Sulfate	213	mg/L	4.0	02/01/23 18:45	
92649235010	BOW-BGWC-16					
	Performed by	Client			02/13/23 17:28	
	Collected By	WL			02/13/23 17:28	
	Collected Date	1/26/23			02/13/23 17:28	
	Collected Time	11:52			02/13/23 17:28	
	pH	6.56	Std. Units		02/13/23 17:28	
EPA 6010D	Iron	0.052	mg/L	0.040	02/03/23 00:37	
EPA 6010D	Manganese	3.9	mg/L	0.040	02/03/23 00:37	
EPA 6010D	Potassium	5.7	mg/L	0.20	02/03/23 00:37	
EPA 6010D	Sodium	38.8	mg/L	1.0	02/03/23 00:37	
EPA 6010D	Calcium	178	mg/L	1.0	02/03/23 00:37	
EPA 6010D	Magnesium	30.5	mg/L	0.050	02/03/23 00:37	
EPA 6020B	Barium	0.033	mg/L	0.0050	02/03/23 19:08	
EPA 6020B	Beryllium	0.00015J	mg/L	0.00050	02/03/23 19:08	
EPA 6020B	Boron	1.6	mg/L	0.040	02/03/23 19:08	
EPA 6020B	Cadmium	0.0021	mg/L	0.00050	02/03/23 19:08	
EPA 6020B	Cobalt	0.0098	mg/L	0.0050	02/03/23 19:08	
EPA 6020B	Selenium	0.0024J	mg/L	0.0050	02/03/23 19:08	
EPA 6020B	Thallium	0.00023J	mg/L	0.0010	02/03/23 19:08	
EPA 7470A	Mercury	0.00015J	mg/L	0.00020	02/17/23 09:13	
SM 2540C-2015	Total Dissolved Solids	895	mg/L	25.0	01/30/23 20:01	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	138	mg/L	5.0	02/01/23 14:25	
SM 2320B-2011	Alkalinity, Total as CaCO3	138	mg/L	5.0	02/01/23 14:25	
EPA 300.0 Rev 2.1 1993	Chloride	18.3	mg/L	1.0	02/01/23 05:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.091J	mg/L	0.10	02/01/23 05:31	
EPA 300.0 Rev 2.1 1993	Sulfate	490	mg/L	9.0	02/01/23 19:02	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235011	BOW-BGWC-17					
	Performed by	Client			02/13/23 17:29	
	Collected By	WL			02/13/23 17:29	
	Collected Date	1/26/23			02/13/23 17:29	
	Collected Time	13:14			02/13/23 17:29	
	pH	7.21	Std. Units		02/13/23 17:29	
EPA 6010D	Iron	0.030J	mg/L	0.040	02/03/23 00:42	
EPA 6010D	Manganese	0.076	mg/L	0.040	02/03/23 00:42	
EPA 6010D	Potassium	2.4	mg/L	0.20	02/03/23 00:42	
EPA 6010D	Sodium	10.1	mg/L	1.0	02/03/23 00:42	
EPA 6010D	Calcium	76.2	mg/L	1.0	02/03/23 00:42	
EPA 6010D	Magnesium	27.9	mg/L	0.050	02/03/23 00:42	
EPA 6020B	Barium	0.015	mg/L	0.0050	02/03/23 19:14	
EPA 6020B	Boron	1.0	mg/L	0.040	02/03/23 19:14	
EPA 7470A	Mercury	0.00027	mg/L	0.00020	02/17/23 09:15	
SM 2540C-2015	Total Dissolved Solids	396	mg/L	25.0	01/31/23 12:40	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	158	mg/L	5.0	02/01/23 14:36	
SM 2320B-2011	Alkalinity, Total as CaCO3	158	mg/L	5.0	02/01/23 14:36	
EPA 300.0 Rev 2.1 1993	Chloride	34.0	mg/L	1.0	02/01/23 05:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	02/01/23 05:48	
EPA 300.0 Rev 2.1 1993	Sulfate	110	mg/L	2.0	02/01/23 19:19	
92649235012	BOW-BGWC-18					
	Performed by	Client			02/13/23 17:29	
	Collected By	WL			02/13/23 17:29	
	Collected Date	1/26/23			02/13/23 17:29	
	Collected Time	14:52			02/13/23 17:29	
	pH	6.20	Std. Units		02/13/23 17:29	
EPA 6010D	Potassium	1.6	mg/L	0.20	02/03/23 00:47	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/03/23 00:47	
EPA 6010D	Calcium	41.4	mg/L	1.0	02/03/23 00:47	
EPA 6010D	Magnesium	16.0	mg/L	0.050	02/03/23 00:47	
EPA 6020B	Barium	0.034	mg/L	0.0050	02/03/23 19:50	
EPA 6020B	Beryllium	0.00010J	mg/L	0.00050	02/03/23 19:50	CL
EPA 6020B	Boron	0.45	mg/L	0.040	02/03/23 19:50	
EPA 6020B	Selenium	0.0022J	mg/L	0.0050	02/03/23 19:50	
EPA 6020B	Thallium	0.00019J	mg/L	0.0010	02/03/23 19:50	
SM 2540C-2015	Total Dissolved Solids	197	mg/L	25.0	01/31/23 12:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	02/01/23 14:47	
SM 2320B-2011	Alkalinity, Total as CaCO3	102	mg/L	5.0	02/01/23 14:47	
EPA 300.0 Rev 2.1 1993	Chloride	5.9	mg/L	1.0	02/01/23 06:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.056J	mg/L	0.10	02/01/23 06:41	
EPA 300.0 Rev 2.1 1993	Sulfate	58.3	mg/L	1.0	02/01/23 06:41	
92649235013	BOW-BGWA-6					
	Performed by	Client			02/13/23 17:30	
	Collected By	WL			02/13/23 17:30	
	Collected Date	1/25/23			02/13/23 17:30	
	Collected Time	12:30			02/13/23 17:30	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235013	BOW-BGWA-6					
	pH	6.87	Std. Units		02/13/23 17:30	
EPA 6010D	Iron	0.23	mg/L	0.040	02/03/23 00:52	
EPA 6010D	Manganese	0.28	mg/L	0.040	02/03/23 00:52	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/03/23 00:52	
EPA 6010D	Sodium	9.3	mg/L	1.0	02/03/23 00:52	
EPA 6010D	Calcium	68.4	mg/L	1.0	02/03/23 00:52	
EPA 6010D	Magnesium	31.0	mg/L	0.050	02/03/23 00:52	
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	02/03/23 20:14	
EPA 6020B	Barium	0.064	mg/L	0.0050	02/03/23 20:14	
EPA 6020B	Boron	0.020J	mg/L	0.040	02/03/23 20:14	
EPA 6020B	Cobalt	0.00074J	mg/L	0.0050	02/03/23 20:14	
EPA 6020B	Thallium	0.00022J	mg/L	0.0010	02/03/23 20:14	
SM 2540C-2015	Total Dissolved Solids	312	mg/L	25.0	01/30/23 19:54	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	305	mg/L	5.0	02/01/23 09:39	
SM 2320B-2011	Alkalinity, Total as CaCO3	305	mg/L	5.0	02/01/23 09:39	
EPA 300.0 Rev 2.1 1993	Chloride	10.1	mg/L	1.0	02/01/23 06:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.066J	mg/L	0.10	02/01/23 06:58	
EPA 300.0 Rev 2.1 1993	Sulfate	15.5	mg/L	1.0	02/01/23 06:58	
92649235014	BOW-BGWC-44D					
	Performed by	Client			02/13/23 17:31	
	Collected By	WL			02/13/23 17:31	
	Collected Date	1/25/23			02/13/23 17:31	
	Collected Time	14:08			02/13/23 17:31	
	pH	7.89	Std. Units		02/13/23 17:31	
EPA 6010D	Iron	0.050	mg/L	0.040	02/03/23 00:57	
EPA 6010D	Manganese	0.026J	mg/L	0.040	02/03/23 00:57	
EPA 6010D	Potassium	2.1	mg/L	0.20	02/03/23 00:57	
EPA 6010D	Sodium	109	mg/L	1.0	02/03/23 00:57	
EPA 6010D	Calcium	24.3	mg/L	1.0	02/03/23 00:57	
EPA 6010D	Magnesium	13.4	mg/L	0.050	02/03/23 00:57	
EPA 6020B	Arsenic	0.0043J	mg/L	0.0050	02/27/23 18:02	
EPA 6020B	Barium	0.012	mg/L	0.0050	02/27/23 18:02	
EPA 6020B	Boron	0.053	mg/L	0.040	02/27/23 18:02	
EPA 6020B	Chromium	0.0025J	mg/L	0.0050	02/27/23 18:02	
EPA 6020B	Lithium	0.0040J	mg/L	0.030	02/27/23 18:02	
EPA 6020B	Molybdenum	0.011	mg/L	0.010	02/27/23 18:02	
SM 2540C-2015	Total Dissolved Solids	350	mg/L	25.0	01/30/23 19:54	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	321	mg/L	5.0	02/01/23 13:42	
SM 2320B-2011	Alkalinity, Total as CaCO3	321	mg/L	5.0	02/01/23 13:42	
EPA 300.0 Rev 2.1 1993	Chloride	13.5	mg/L	1.0	02/01/23 07:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.28	mg/L	0.10	02/01/23 07:15	
EPA 300.0 Rev 2.1 1993	Sulfate	11.7	mg/L	1.0	02/01/23 07:15	
92649235015	BOW-AP1-FD-02					
EPA 6010D	Manganese	0.076	mg/L	0.040	02/03/23 01:01	
EPA 6010D	Potassium	2.5	mg/L	0.20	02/03/23 01:01	
EPA 6010D	Sodium	10.1	mg/L	1.0	02/03/23 01:01	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235015	BOW-AP1-FD-02					
EPA 6010D	Calcium	75.7	mg/L	1.0	02/03/23 01:01	
EPA 6010D	Magnesium	27.8	mg/L	0.050	02/03/23 01:01	
EPA 6020B	Barium	0.016	mg/L	0.0050	02/27/23 18:08	
EPA 6020B	Boron	1.1	mg/L	0.040	02/27/23 18:08	
EPA 7470A	Mercury	0.00032	mg/L	0.00020	02/17/23 09:26	
SM 2540C-2015	Total Dissolved Solids	379	mg/L	25.0	01/31/23 12:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	156	mg/L	5.0	02/01/23 14:56	
SM 2320B-2011	Alkalinity, Total as CaCO3	156	mg/L	5.0	02/01/23 14:56	
EPA 300.0 Rev 2.1 1993	Chloride	34.1	mg/L	1.0	02/01/23 07:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	02/01/23 07:33	
EPA 300.0 Rev 2.1 1993	Sulfate	110	mg/L	2.0	02/01/23 19:37	
92649235016	BOW-AP1-FD-01					
EPA 6010D	Iron	0.15	mg/L	0.040	02/06/23 12:38	
EPA 6010D	Manganese	0.018J	mg/L	0.040	02/03/23 14:27	
EPA 6010D	Potassium	1.0	mg/L	0.20	02/03/23 14:27	
EPA 6010D	Sodium	44.1	mg/L	1.0	02/03/23 14:27	
EPA 6010D	Calcium	34.7	mg/L	1.0	02/03/23 14:27	
EPA 6010D	Magnesium	11.0	mg/L	0.050	02/03/23 14:27	
EPA 6020B	Barium	0.025	mg/L	0.0050	02/27/23 18:14	
EPA 6020B	Boron	0.017J	mg/L	0.040	02/27/23 18:14	
EPA 6020B	Molybdenum	0.0070J	mg/L	0.010	02/27/23 18:14	
SM 2540C-2015	Total Dissolved Solids	262	mg/L	25.0	01/30/23 19:53	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	227	mg/L	5.0	01/31/23 17:09	
SM 2320B-2011	Alkalinity, Total as CaCO3	227	mg/L	5.0	01/31/23 17:09	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	02/01/23 07:50	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	02/01/23 07:50	
EPA 300.0 Rev 2.1 1993	Sulfate	22.9	mg/L	1.0	02/01/23 07:50	
92649235017	BOW-BGWC-50D					
	Performed by	Client			02/13/23 17:33	
	Collected By	WL			02/13/23 17:33	
	Collected Date	1/25/23			02/13/23 17:33	
	Collected Time	15:35			02/13/23 17:33	
	pH	7.03	Std. Units		02/13/23 17:33	
EPA 6010D	Iron	2.1	mg/L	0.040	02/03/23 14:59	
EPA 6010D	Manganese	0.099	mg/L	0.040	02/03/23 14:59	
EPA 6010D	Potassium	1.6	mg/L	0.20	02/03/23 14:59	
EPA 6010D	Sodium	118	mg/L	1.0	02/03/23 14:59	
EPA 6010D	Calcium	65.0	mg/L	1.0	02/03/23 14:59	
EPA 6010D	Magnesium	27.6	mg/L	0.050	02/03/23 14:59	
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	02/27/23 18:38	
EPA 6020B	Barium	0.067	mg/L	0.0050	02/27/23 18:38	
EPA 6020B	Boron	0.045	mg/L	0.040	02/27/23 18:38	
EPA 6020B	Cobalt	0.00066J	mg/L	0.0050	02/27/23 18:38	
EPA 6020B	Lithium	0.0019J	mg/L	0.030	02/27/23 18:38	
EPA 6020B	Molybdenum	0.0067J	mg/L	0.010	02/27/23 18:38	
SM 2540C-2015	Total Dissolved Solids	659	mg/L	25.0	01/30/23 19:55	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235017	BOW-BGWC-50D					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	273	mg/L	5.0	02/01/23 13:50	
SM 2320B-2011	Alkalinity, Total as CaCO3	273	mg/L	5.0	02/01/23 13:50	
EPA 300.0 Rev 2.1 1993	Chloride	27.6	mg/L	1.0	02/01/23 09:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16	mg/L	0.10	02/01/23 09:00	
EPA 300.0 Rev 2.1 1993	Sulfate	268	mg/L	5.0	02/01/23 19:54	
92649235018	BOW-AP1-FB-02					
EPA 300.0 Rev 2.1 1993	Sulfate	0.57J	mg/L	1.0	02/01/23 09:18	
92649235019	BOW-AP1-FB-01					
SM 2540C-2015	Total Dissolved Solids	192	mg/L	25.0	01/30/23 19:54	
92649235020	BOW-AP1-FB-03					
EPA 6010D	Iron	0.026J	mg/L	0.040	02/06/23 12:43	
92649235021	BOW-BGWC-10					
	Performed by	CLIENT			03/15/23 10:13	
	Collected By	MD			03/15/23 10:13	
	Collected Date	012723			03/15/23 10:13	
	Collected Time	10:00			03/15/23 10:13	
	pH	7.02	Std. Units		03/15/23 10:13	
EPA 6010D	Iron	0.26	mg/L	0.040	02/23/23 13:33	
EPA 6010D	Manganese	0.035J	mg/L	0.040	02/23/23 13:33	
EPA 6010D	Potassium	2.1	mg/L	0.20	02/23/23 13:33	
EPA 6010D	Sodium	17.3	mg/L	1.0	02/23/23 13:33	M1
EPA 6010D	Calcium	64.0	mg/L	1.0	02/23/23 13:33	M1
EPA 6010D	Magnesium	28.1	mg/L	0.050	02/23/23 13:33	M1
EPA 6020B	Barium	0.040	mg/L	0.0050	02/27/23 19:14	
EPA 6020B	Boron	0.53	mg/L	0.040	02/27/23 19:14	
EPA 6020B	Cobalt	0.00051J	mg/L	0.0050	02/27/23 19:14	
EPA 6020B	Lithium	0.00082J	mg/L	0.030	02/27/23 19:14	
EPA 6020B	Molybdenum	0.0025J	mg/L	0.010	02/27/23 19:14	
EPA 7470A	Mercury	0.00018J	mg/L	0.00020	02/17/23 09:52	
SM 2540C-2015	Total Dissolved Solids	380	mg/L	25.0	02/02/23 19:18	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	178	mg/L	5.0	02/03/23 19:12	
SM 2320B-2011	Alkalinity, Total as CaCO3	178	mg/L	5.0	02/03/23 19:12	
EPA 300.0 Rev 2.1 1993	Chloride	28.2	mg/L	1.0	02/03/23 22:08	
EPA 300.0 Rev 2.1 1993	Fluoride	0.058J	mg/L	0.10	02/03/23 22:08	
EPA 300.0 Rev 2.1 1993	Sulfate	97.3	mg/L	2.0	02/04/23 02:25	
92649235022	BOW-BGWC-19					
	Performed by	CLIENT			03/15/23 10:21	
	Collected By	WL			03/15/23 10:21	
	Collected Date	0127/23			03/15/23 10:21	
	Collected Time	10:20			03/15/23 10:21	
	pH	6.61	Std. Units		03/15/23 10:21	
EPA 6010D	Iron	0.14	mg/L	0.040	02/23/23 13:52	
EPA 6010D	Manganese	0.0056J	mg/L	0.040	02/23/23 13:52	
EPA 6010D	Potassium	2.3	mg/L	0.20	02/23/23 13:52	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235022	BOW-BGWC-19					
EPA 6010D	Sodium	1.3	mg/L	1.0	02/23/23 13:52	
EPA 6010D	Calcium	39.3	mg/L	1.0	02/23/23 13:52	
EPA 6010D	Magnesium	15.3	mg/L	0.050	02/23/23 13:52	
EPA 6020B	Barium	0.023	mg/L	0.0050	02/27/23 19:20	
EPA 6020B	Boron	0.18	mg/L	0.040	02/27/23 19:20	
EPA 7470A	Mercury	0.00018J	mg/L	0.00020	02/17/23 10:08	
SM 2540C-2015	Total Dissolved Solids	200	mg/L	25.0	02/02/23 19:18	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	02/03/23 19:23	
SM 2320B-2011	Alkalinity, Total as CaCO3	132	mg/L	5.0	02/03/23 19:23	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	02/03/23 23:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	02/03/23 23:26	
EPA 300.0 Rev 2.1 1993	Sulfate	38.2	mg/L	1.0	02/03/23 23:26	
92649235023	BOW-BGWC-21					
	Performed by	CLIENT			03/15/23 10:21	
	Collected By	WL			03/15/23 10:21	
	Collected Date	01/27/23			03/15/23 10:21	
	Collected Time	13:18			03/15/23 10:21	
	pH	7.76	Std. Units		03/15/23 10:21	
EPA 6010D	Iron	0.12	mg/L	0.040	02/23/23 13:57	
EPA 6010D	Manganese	0.0068J	mg/L	0.040	02/23/23 13:57	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/23/23 13:57	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/23/23 13:57	
EPA 6010D	Calcium	46.5	mg/L	1.0	02/23/23 13:57	
EPA 6010D	Magnesium	26.4	mg/L	0.050	02/23/23 13:57	
EPA 6020B	Barium	0.021	mg/L	0.0050	02/27/23 19:26	
EPA 6020B	Boron	0.026J	mg/L	0.040	02/27/23 19:26	
EPA 6020B	Cobalt	0.0021J	mg/L	0.0050	02/27/23 19:26	
EPA 6020B	Molybdenum	0.0030J	mg/L	0.010	02/27/23 19:26	
EPA 7470A	Mercury	0.00021	mg/L	0.00020	02/17/23 10:10	
SM 2540C-2015	Total Dissolved Solids	342	mg/L	25.0	02/02/23 19:18	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	172	mg/L	5.0	02/03/23 19:33	
SM 2320B-2011	Alkalinity, Total as CaCO3	172	mg/L	5.0	02/03/23 19:33	
EPA 300.0 Rev 2.1 1993	Chloride	6.1	mg/L	1.0	02/03/23 23:52	
EPA 300.0 Rev 2.1 1993	Sulfate	55.3	mg/L	1.0	02/03/23 23:52	
92649235024	BOW-BGWC-25					
	Performed by	CLIENT			03/15/23 10:22	
	Collected By	MD			03/15/23 10:22	
	Collected Date	01/27/23			03/15/23 10:22	
	Collected Time	13:30			03/15/23 10:22	
	pH	7.14	Std. Units		03/15/23 10:22	
EPA 6010D	Iron	0.44	mg/L	0.040	02/23/23 14:21	
EPA 6010D	Manganese	0.24	mg/L	0.040	02/23/23 14:21	
EPA 6010D	Potassium	0.80	mg/L	0.20	02/23/23 14:21	
EPA 6010D	Sodium	4.7	mg/L	1.0	02/23/23 14:21	
EPA 6010D	Calcium	48.8	mg/L	1.0	02/23/23 14:21	
EPA 6010D	Magnesium	23.2	mg/L	0.050	02/23/23 14:21	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235024	BOW-BGWC-25					
EPA 6020B	Barium	0.015	mg/L	0.0050	02/27/23 19:32	
EPA 6020B	Boron	0.029J	mg/L	0.040	02/27/23 19:32	
EPA 7470A	Mercury	0.00015J	mg/L	0.00020	02/17/23 10:13	
SM 2540C-2015	Total Dissolved Solids	310	mg/L	25.0	02/02/23 19:18	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	242	mg/L	5.0	02/04/23 08:43	
SM 2320B-2011	Alkalinity, Total as CaCO3	242	mg/L	5.0	02/04/23 08:43	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	02/03/23 18:36	
EPA 300.0 Rev 2.1 1993	Fluoride	0.053J	mg/L	0.10	02/03/23 18:36	
EPA 300.0 Rev 2.1 1993	Sulfate	24.1	mg/L	1.0	02/03/23 18:36	
92649235025	BOW-BGWC-31					
	Performed by	CLIENT			03/15/23 10:24	
	Collected By	MD			03/15/23 10:24	
	Collected Date	01/27/23			03/15/23 10:24	
	Collected Time	11:20			03/15/23 10:24	
	pH	6.80	Std. Units		03/15/23 10:24	
EPA 6010D	Iron	1.9	mg/L	0.040	02/23/23 14:26	
EPA 6010D	Manganese	0.15	mg/L	0.040	02/23/23 14:26	
EPA 6010D	Potassium	1.4	mg/L	0.20	02/23/23 14:26	
EPA 6010D	Sodium	7.8	mg/L	1.0	02/23/23 14:26	
EPA 6010D	Calcium	75.9	mg/L	1.0	02/23/23 14:26	
EPA 6010D	Magnesium	36.4	mg/L	0.050	02/23/23 14:26	
EPA 6020B	Arsenic	0.0035J	mg/L	0.0050	02/27/23 19:38	
EPA 6020B	Barium	0.042	mg/L	0.0050	02/27/23 19:38	
EPA 6020B	Boron	0.74	mg/L	0.040	02/27/23 19:38	
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	02/17/23 10:16	
SM 2540C-2015	Total Dissolved Solids	433	mg/L	25.0	02/02/23 19:18	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	219	mg/L	5.0	02/04/23 08:53	
SM 2320B-2011	Alkalinity, Total as CaCO3	219	mg/L	5.0	02/04/23 08:53	
EPA 300.0 Rev 2.1 1993	Chloride	30.0	mg/L	1.0	02/03/23 18:51	
EPA 300.0 Rev 2.1 1993	Sulfate	126	mg/L	2.0	02/04/23 07:47	
92649235026	BOW-AP1-FB-04					
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	02/17/23 10:18	
SM 2540C-2015	Total Dissolved Solids	85.0	mg/L	25.0	02/02/23 19:19	
92649235027	BOW-BGWC-20					
	Performed by	CLIENT			03/15/23 10:24	
	Collected By	WL			03/15/23 10:24	
	Collected Date	01/30/23			03/15/23 10:24	
	Collected Time	11:07			03/15/23 10:24	
	pH	7.18	Std. Units		03/15/23 10:24	
EPA 6010D	Calcium	309	mg/L	5.0	02/24/23 14:11	
EPA 6010D	Iron	0.18	mg/L	0.040	02/23/23 14:36	
EPA 6010D	Manganese	0.77	mg/L	0.040	02/23/23 14:36	
EPA 6010D	Potassium	8.4	mg/L	0.20	02/23/23 14:36	
EPA 6010D	Sodium	31.4	mg/L	1.0	02/23/23 14:36	
EPA 6010D	Magnesium	46.3	mg/L	0.050	02/23/23 14:36	
EPA 6020B	Barium	0.036	mg/L	0.0050	02/27/23 19:50	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235027	BOW-BGWC-20					
EPA 6020B	Boron	4.7	mg/L	0.040	02/27/23 19:50	
EPA 6020B	Lithium	0.059	mg/L	0.030	02/27/23 19:50	
EPA 6020B	Molybdenum	0.035	mg/L	0.010	02/27/23 19:50	
SM 2540C-2015	Total Dissolved Solids	1280	mg/L	25.0	02/02/23 20:25	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	104	mg/L	5.0	02/03/23 20:17	
SM 2320B-2011	Alkalinity, Total as CaCO3	104	mg/L	5.0	02/03/23 20:17	
EPA 300.0 Rev 2.1 1993	Chloride	156	mg/L	13.0	02/04/23 08:02	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	02/03/23 19:21	
EPA 300.0 Rev 2.1 1993	Sulfate	622	mg/L	13.0	02/04/23 08:02	
92649235028	BOW-BGWC-34D					
	Performed by	CLIENT			03/15/23 10:26	
	Collected By	WL			03/15/23 10:26	
	Collected Date	1/30/23			03/15/23 10:26	
	Collected Time	13:35			03/15/23 10:26	
	pH	7.15	Std. Units		03/15/23 10:26	
EPA 6010D	Iron	1.3	mg/L	0.040	02/23/23 14:41	
EPA 6010D	Manganese	0.017J	mg/L	0.040	02/23/23 14:41	
EPA 6010D	Potassium	1.8	mg/L	0.20	02/23/23 14:41	
EPA 6010D	Sodium	6.5	mg/L	1.0	02/23/23 14:41	
EPA 6010D	Calcium	121	mg/L	1.0	02/23/23 14:41	
EPA 6010D	Magnesium	32.7	mg/L	0.050	02/23/23 14:41	
EPA 6020B	Arsenic	0.014	mg/L	0.0050	02/27/23 19:56	
EPA 6020B	Barium	0.055	mg/L	0.0050	02/27/23 19:56	
EPA 6020B	Boron	0.45	mg/L	0.040	02/27/23 19:56	
EPA 6020B	Cobalt	0.0014J	mg/L	0.0050	02/27/23 19:56	
EPA 6020B	Molybdenum	0.0011J	mg/L	0.010	02/27/23 19:56	
EPA 7470A	Mercury	0.00016J	mg/L	0.00020	02/17/23 10:23	
SM 2540C-2015	Total Dissolved Solids	593	mg/L	25.0	02/02/23 20:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	246	mg/L	5.0	02/04/23 09:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	246	mg/L	5.0	02/04/23 09:02	
EPA 300.0 Rev 2.1 1993	Chloride	45.7	mg/L	1.0	02/03/23 20:05	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	02/03/23 20:05	
EPA 300.0 Rev 2.1 1993	Sulfate	163	mg/L	3.0	02/04/23 08:46	
92649235029	BOW-BGWC-35D					
	Performed by	CLIENT			03/15/23 10:27	
	Collected By	MD			03/15/23 10:27	
	Collected Date	01/30/23			03/15/23 10:27	
	Collected Time	10:35			03/15/23 10:27	
	pH	6.75	Std. Units		03/15/23 10:27	
EPA 6010D	Iron	0.71	mg/L	0.040	02/23/23 14:46	
EPA 6010D	Manganese	0.70	mg/L	0.040	02/23/23 14:46	
EPA 6010D	Potassium	10.1	mg/L	0.20	02/23/23 14:46	
EPA 6010D	Sodium	42.1	mg/L	1.0	02/23/23 14:46	
EPA 6010D	Magnesium	116	mg/L	0.050	02/23/23 14:46	
EPA 6010D	Calcium	607	mg/L	5.0	02/24/23 14:15	
EPA 6020B	Arsenic	0.0050J	mg/L	0.0050	02/27/23 20:14	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235029	BOW-BGWC-35D					
EPA 6020B	Barium	0.059	mg/L	0.0050	02/27/23 20:14	
EPA 6020B	Boron	13.8	mg/L	0.40	02/28/23 13:28	
EPA 6020B	Cobalt	0.0029J	mg/L	0.0050	02/27/23 20:14	
EPA 6020B	Lithium	0.021J	mg/L	0.030	02/27/23 20:14	
EPA 6020B	Molybdenum	0.035	mg/L	0.010	02/27/23 20:14	
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	02/17/23 10:26	
SM 2540C-2015	Total Dissolved Solids	2720	mg/L	50.0	02/02/23 20:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	120	mg/L	5.0	02/03/23 20:34	
SM 2320B-2011	Alkalinity, Total as CaCO3	120	mg/L	5.0	02/03/23 20:34	
EPA 300.0 Rev 2.1 1993	Chloride	851	mg/L	17.0	02/04/23 09:01	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	02/03/23 20:20	
EPA 300.0 Rev 2.1 1993	Sulfate	687	mg/L	17.0	02/04/23 09:01	
92649235030	BOW-BGWC-37D					
	Performed by	CLIENT			03/15/23 10:29	
	Collected By	MD			03/15/23 10:29	
	Collected Date	01/30/23			03/15/23 10:29	
	Collected Time	12:35			03/15/23 10:29	
	pH	7.21	Std. Units		03/15/23 10:29	
EPA 6010D	Iron	0.58	mg/L	0.040	02/23/23 14:51	
EPA 6010D	Manganese	0.031J	mg/L	0.040	02/23/23 14:51	
EPA 6010D	Potassium	1.9	mg/L	0.20	02/23/23 14:51	
EPA 6010D	Sodium	11.1	mg/L	1.0	02/23/23 14:51	
EPA 6010D	Calcium	112	mg/L	1.0	02/23/23 14:51	
EPA 6010D	Magnesium	46.6	mg/L	0.050	02/23/23 14:51	
EPA 6020B	Arsenic	0.0074	mg/L	0.0050	02/27/23 20:20	
EPA 6020B	Barium	0.087	mg/L	0.0050	02/27/23 20:20	
EPA 6020B	Boron	1.4	mg/L	0.040	02/27/23 20:20	
EPA 6020B	Lithium	0.0025J	mg/L	0.030	02/27/23 20:20	
EPA 6020B	Molybdenum	0.014	mg/L	0.010	02/27/23 20:20	
SM 2540C-2015	Total Dissolved Solids	720	mg/L	25.0	02/02/23 20:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	169	mg/L	5.0	02/03/23 20:44	
SM 2320B-2011	Alkalinity, Total as CaCO3	169	mg/L	5.0	02/03/23 20:44	
EPA 300.0 Rev 2.1 1993	Chloride	152	mg/L	3.0	02/04/23 09:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16	mg/L	0.10	02/03/23 20:35	
EPA 300.0 Rev 2.1 1993	Sulfate	136	mg/L	3.0	02/04/23 09:15	
92649235031	BOW-BGWC-42D					
	Performed by	CLIENT			03/15/23 10:30	
	Collected By	MD			03/15/23 10:30	
	Collected Date	01/30/23			03/15/23 10:30	
	Collected Time	14:35			03/15/23 10:30	
	pH	7.04	Std. Units		03/15/23 10:30	
EPA 6010D	Iron	0.27	mg/L	0.040	02/23/23 14:55	
EPA 6010D	Manganese	0.080	mg/L	0.040	02/23/23 14:55	
EPA 6010D	Potassium	2.9	mg/L	0.20	02/23/23 14:55	
EPA 6010D	Sodium	98.2	mg/L	1.0	02/23/23 14:55	
EPA 6010D	Calcium	92.5	mg/L	1.0	02/23/23 14:55	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235031	BOW-BGWC-42D					
EPA 6010D	Magnesium	34.2	mg/L	0.050	02/23/23 14:55	
EPA 6020B	Arsenic	0.0088	mg/L	0.0050	02/27/23 20:26	
EPA 6020B	Barium	0.13	mg/L	0.0050	02/27/23 20:26	
EPA 6020B	Boron	1.7	mg/L	0.040	02/27/23 20:26	
EPA 6020B	Molybdenum	0.0033J	mg/L	0.010	02/27/23 20:26	
SM 2540C-2015	Total Dissolved Solids	658	mg/L	25.0	02/02/23 20:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	318	mg/L	5.0	02/04/23 09:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	318	mg/L	5.0	02/04/23 09:10	
EPA 300.0 Rev 2.1 1993	Chloride	122	mg/L	2.0	02/04/23 09:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.64	mg/L	0.10	02/03/23 21:35	
EPA 300.0 Rev 2.1 1993	Sulfate	121	mg/L	2.0	02/04/23 09:30	
92649235032	BOW-AP1-FD-03					
EPA 6010D	Iron	0.58	mg/L	0.040	02/23/23 15:00	
EPA 6010D	Manganese	0.031J	mg/L	0.040	02/23/23 15:00	
EPA 6010D	Potassium	1.7	mg/L	0.20	02/23/23 15:00	
EPA 6010D	Sodium	11.2	mg/L	1.0	02/23/23 15:00	
EPA 6010D	Calcium	115	mg/L	1.0	02/23/23 15:00	
EPA 6010D	Magnesium	47.6	mg/L	0.050	02/23/23 15:00	
EPA 6020B	Arsenic	0.0080	mg/L	0.0050	02/28/23 13:58	
EPA 6020B	Barium	0.084	mg/L	0.0050	02/28/23 13:58	
EPA 6020B	Beryllium	0.000060J	mg/L	0.00050	02/28/23 13:58	
EPA 6020B	Boron	1.3	mg/L	0.040	02/28/23 13:58	
EPA 6020B	Lithium	0.0025J	mg/L	0.030	02/28/23 13:58	
EPA 6020B	Molybdenum	0.014	mg/L	0.010	02/28/23 13:58	
EPA 6020B	Thallium	0.00023J	mg/L	0.0010	02/28/23 13:58	
SM 2540C-2015	Total Dissolved Solids	691	mg/L	25.0	02/02/23 20:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	169	mg/L	5.0	02/03/23 21:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	169	mg/L	5.0	02/03/23 21:02	
EPA 300.0 Rev 2.1 1993	Chloride	151	mg/L	3.0	02/04/23 10:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16	mg/L	0.10	02/03/23 21:50	
EPA 300.0 Rev 2.1 1993	Sulfate	135	mg/L	3.0	02/04/23 10:30	
92649235033	BOW-AP1-FB-05					
EPA 6010D	Iron	0.034J	mg/L	0.040	02/23/23 15:05	
EPA 6020B	Antimony	0.0016J	mg/L	0.0030	02/28/23 14:21	
EPA 6020B	Boron	0.013J	mg/L	0.040	02/28/23 14:21	
SM 2540C-2015	Total Dissolved Solids	59.0	mg/L	25.0	02/02/23 20:26	
92649235034	BOW-BGWC-32					
	Performed by	Client			02/13/23 17:44	
	Collected By	WL			02/13/23 17:44	
	Collected Date	1/31/23			02/13/23 17:44	
	Collected Time	12:22			02/13/23 17:44	
	pH	7.18	Std. Units		02/13/23 17:44	
EPA 6010D	Iron	0.071	mg/L	0.040	02/23/23 15:20	
EPA 6010D	Manganese	0.15	mg/L	0.040	02/23/23 15:20	
EPA 6010D	Potassium	4.0	mg/L	0.20	02/23/23 15:20	
EPA 6010D	Sodium	18.1	mg/L	1.0	02/23/23 15:20	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235034	BOW-BGWC-32					
EPA 6010D	Magnesium	69.0	mg/L	0.050	02/23/23 15:20	
EPA 6010D	Calcium	256	mg/L	5.0	02/24/23 14:20	
EPA 6020B	Arsenic	0.0040J	mg/L	0.0050	02/28/23 14:27	
EPA 6020B	Barium	0.10	mg/L	0.0050	02/28/23 14:27	
EPA 6020B	Boron	4.2	mg/L	0.040	02/28/23 14:27	
EPA 6020B	Cobalt	0.0029J	mg/L	0.0050	02/28/23 14:27	
EPA 6020B	Molybdenum	0.0039J	mg/L	0.010	02/28/23 14:27	
SM 2540C-2015	Total Dissolved Solids	1240	mg/L	25.0	02/06/23 17:52	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	186	mg/L	5.0	02/04/23 18:40	
SM 2320B-2011	Alkalinity, Total as CaCO3	186	mg/L	5.0	02/04/23 18:40	
EPA 300.0 Rev 2.1 1993	Chloride	298	mg/L	6.0	02/07/23 16:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	02/06/23 20:22	
EPA 300.0 Rev 2.1 1993	Sulfate	300	mg/L	6.0	02/07/23 16:49	
92649235035	BOW-BGWC-40					
	Performed by	Client			02/13/23 17:45	
	Collected By	MD			02/13/23 17:45	
	Collected Date	1/31/23			02/13/23 17:45	
	Collected Time	10:40			02/13/23 17:45	
	pH	6.86	Std. Units		02/13/23 17:45	
EPA 6010D	Iron	0.092	mg/L	0.040	02/23/23 15:25	
EPA 6010D	Potassium	2.2	mg/L	0.20	02/23/23 15:25	
EPA 6010D	Sodium	8.1	mg/L	1.0	02/23/23 15:25	
EPA 6010D	Calcium	133	mg/L	1.0	02/23/23 15:25	
EPA 6010D	Magnesium	40.1	mg/L	0.050	02/23/23 15:25	
EPA 6020B	Arsenic	0.0022J	mg/L	0.0050	02/28/23 14:33	
EPA 6020B	Barium	0.047	mg/L	0.0050	02/28/23 14:33	
EPA 6020B	Boron	3.0	mg/L	0.040	02/28/23 14:33	
EPA 6020B	Chromium	0.0050J	mg/L	0.0050	02/28/23 14:33	B
EPA 6020B	Cobalt	0.00046J	mg/L	0.0050	02/28/23 14:33	
EPA 6020B	Selenium	0.0097	mg/L	0.0050	02/28/23 14:33	
SM 2540C-2015	Total Dissolved Solids	671	mg/L	25.0	02/06/23 17:52	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	214	mg/L	5.0	02/07/23 11:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	214	mg/L	5.0	02/07/23 11:10	M1
EPA 300.0 Rev 2.1 1993	Chloride	123	mg/L	3.0	02/07/23 17:07	
EPA 300.0 Rev 2.1 1993	Fluoride	0.084J	mg/L	0.10	02/06/23 20:41	
EPA 300.0 Rev 2.1 1993	Sulfate	128	mg/L	3.0	02/07/23 17:07	
92649235036	BOW-BGWC-51					
	Performed by	Client			02/13/23 17:46	
	Collected By	MD			02/13/23 17:46	
	Collected Date	1/31/23			02/13/23 17:46	
	Collected Time	13:00			02/13/23 17:46	
	pH	6.87	Std. Units		02/13/23 17:46	
EPA 6010D	Iron	0.14	mg/L	0.040	02/23/23 15:29	
EPA 6010D	Manganese	0.0091J	mg/L	0.040	02/23/23 15:29	
EPA 6010D	Potassium	5.4	mg/L	0.20	02/23/23 15:29	
EPA 6010D	Sodium	10.5	mg/L	1.0	02/23/23 15:29	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235036	BOW-BGWC-51					
EPA 6010D	Calcium	111	mg/L	1.0	02/23/23 15:29	
EPA 6010D	Magnesium	24.7	mg/L	0.050	02/23/23 15:29	
EPA 6020B	Barium	0.011	mg/L	0.0050	02/28/23 14:39	
EPA 6020B	Beryllium	0.000072J	mg/L	0.00050	02/28/23 14:39	
EPA 6020B	Boron	2.4	mg/L	0.040	02/28/23 14:39	
EPA 6020B	Selenium	0.0058	mg/L	0.0050	02/28/23 14:39	
EPA 7470A	Mercury	0.00021	mg/L	0.00020	02/17/23 10:50	
SM 2540C-2015	Total Dissolved Solids	664	mg/L	25.0	02/06/23 17:52	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	160	mg/L	5.0	02/04/23 19:18	
SM 2320B-2011	Alkalinity, Total as CaCO3	160	mg/L	5.0	02/04/23 19:18	M1
EPA 300.0 Rev 2.1 1993	Chloride	85.6	mg/L	1.0	02/06/23 21:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	02/06/23 21:00	
EPA 300.0 Rev 2.1 1993	Sulfate	135	mg/L	3.0	02/07/23 17:26	
92649235037	BOW-BGWC-52					
	Performed by	Client			02/13/23 17:47	
	Collected By	MD			02/13/23 17:47	
	Collected Date	1/31/23			02/13/23 17:47	
	Collected Time	15:00			02/13/23 17:47	
	pH	7.56	Std. Units		02/13/23 17:47	
EPA 6010D	Iron	0.26	mg/L	0.040	02/23/23 15:34	
EPA 6010D	Manganese	0.34	mg/L	0.040	02/23/23 15:34	
EPA 6010D	Potassium	2.8	mg/L	0.20	02/23/23 15:34	
EPA 6010D	Sodium	8.9	mg/L	1.0	02/23/23 15:34	
EPA 6010D	Calcium	62.8	mg/L	1.0	02/23/23 15:34	
EPA 6010D	Magnesium	13.5	mg/L	0.050	02/23/23 15:34	
EPA 6020B	Barium	0.032	mg/L	0.0050	02/28/23 15:05	
EPA 6020B	Boron	1.1	mg/L	0.040	02/28/23 15:05	
EPA 6020B	Chromium	0.0016J	mg/L	0.0050	02/28/23 15:05	B
EPA 6020B	Cobalt	0.0045J	mg/L	0.0050	02/28/23 15:05	
EPA 6020B	Lithium	0.0011J	mg/L	0.030	02/28/23 15:05	
EPA 6020B	Molybdenum	0.0087J	mg/L	0.010	02/28/23 15:05	
EPA 6020B	Thallium	0.00020J	mg/L	0.0010	02/28/23 15:05	
EPA 7470A	Mercury	0.00018J	mg/L	0.00020	02/17/23 10:52	
SM 2540C-2015	Total Dissolved Solids	286	mg/L	25.0	02/06/23 17:52	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	02/04/23 20:13	
SM 2320B-2011	Alkalinity, Total as CaCO3	103	mg/L	5.0	02/04/23 20:13	
EPA 300.0 Rev 2.1 1993	Chloride	41.5	mg/L	1.0	02/06/23 21:19	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	02/06/23 21:19	
EPA 300.0 Rev 2.1 1993	Sulfate	77.2	mg/L	1.0	02/06/23 21:19	
92649235038	BOW-AP1-EB-01					
SM 2540C-2015	Total Dissolved Solids	48.0	mg/L	25.0	02/06/23 17:53	
92649235040	BOW-BGWC-24					
	Performed by	Client			02/13/23 17:48	
	Collected By	WL			02/13/23 17:48	
	Collected Date	2/1/23			02/13/23 17:48	
	Collected Time	14:43			02/13/23 17:48	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235040	BOW-BGWC-24					
	pH	6.68	Std. Units		02/13/23 17:48	
EPA 6010D	Manganese	2.4	mg/L	0.040	02/23/23 15:49	
EPA 6010D	Potassium	7.4	mg/L	0.20	02/23/23 15:49	
EPA 6010D	Sodium	13.1	mg/L	1.0	02/23/23 15:49	
EPA 6010D	Magnesium	75.5	mg/L	0.050	02/23/23 15:49	
EPA 6010D	Calcium	552	mg/L	5.0	02/24/23 14:45	
EPA 6020B	Arsenic	0.0042J	mg/L	0.0050	02/28/23 15:22	
EPA 6020B	Barium	0.052	mg/L	0.0050	02/28/23 15:22	
EPA 6020B	Beryllium	0.00031J	mg/L	0.00050	02/28/23 15:22	
EPA 6020B	Boron	18.4	mg/L	0.40	02/28/23 17:33	
EPA 6020B	Cadmium	0.0032	mg/L	0.00050	02/28/23 15:22	
EPA 6020B	Cobalt	0.0024J	mg/L	0.0050	02/28/23 15:22	
EPA 6020B	Lithium	0.0063J	mg/L	0.030	02/28/23 15:22	
EPA 6020B	Selenium	0.0060	mg/L	0.0050	02/28/23 15:22	
EPA 6020B	Thallium	0.00035J	mg/L	0.0010	02/28/23 15:22	
EPA 7470A	Mercury	0.00059	mg/L	0.00020	02/17/23 11:00	
SM 2540C-2015	Total Dissolved Solids	2550	mg/L	50.0	02/08/23 18:56	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	146	mg/L	5.0	02/07/23 17:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	146	mg/L	5.0	02/07/23 17:19	
EPA 300.0 Rev 2.1 1993	Chloride	789	mg/L	16.0	02/07/23 17:45	
EPA 300.0 Rev 2.1 1993	Fluoride	0.18	mg/L	0.10	02/06/23 23:31	
EPA 300.0 Rev 2.1 1993	Sulfate	395	mg/L	16.0	02/07/23 17:45	
92649235041	BOW-BGWC-30					
	Performed by	Client			02/13/23 17:49	
	Collected By	MD			02/13/23 17:49	
	Collected Date	2/1/23			02/13/23 17:49	
	Collected Time	15:30			02/13/23 17:49	
	pH	7.15	Std. Units		02/13/23 17:49	
EPA 6010D	Iron	0.16	mg/L	0.040	02/23/23 16:19	
EPA 6010D	Manganese	0.0090J	mg/L	0.040	02/23/23 16:19	
EPA 6010D	Potassium	2.8	mg/L	0.20	02/23/23 16:19	
EPA 6010D	Sodium	5.8	mg/L	1.0	02/23/23 16:19	
EPA 6010D	Calcium	113	mg/L	1.0	02/23/23 16:19	M1
EPA 6010D	Magnesium	36.0	mg/L	0.050	02/23/23 16:19	M1
EPA 6020B	Arsenic	0.0024J	mg/L	0.0050	02/28/23 15:28	
EPA 6020B	Barium	0.062	mg/L	0.0050	02/28/23 15:28	
EPA 6020B	Boron	3.2	mg/L	0.040	02/28/23 15:28	
EPA 6020B	Lithium	0.0018J	mg/L	0.030	02/28/23 15:28	
EPA 6020B	Molybdenum	0.0058J	mg/L	0.010	02/28/23 15:28	
EPA 6020B	Selenium	0.010	mg/L	0.0050	02/28/23 15:28	
SM 2540C-2015	Total Dissolved Solids	745	mg/L	25.0	02/06/23 13:43	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	02/07/23 17:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	161	mg/L	5.0	02/07/23 17:30	
EPA 300.0 Rev 2.1 1993	Chloride	154	mg/L	3.0	02/07/23 18:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.092J	mg/L	0.10	02/06/23 23:50	
EPA 300.0 Rev 2.1 1993	Sulfate	75.5	mg/L	1.0	02/06/23 23:50	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235042	BOW-BGWC-36D					
	Performed by	Client			02/13/23 17:50	
	Collected By	MD			02/13/23 17:50	
	Collected Date	2/1/23			02/13/23 17:50	
	Collected Time	13:50			02/13/23 17:50	
	pH	6.64	Std. Units		02/13/23 17:50	
EPA 6010D	Manganese	0.024J	mg/L	0.040	02/23/23 16:38	
EPA 6010D	Potassium	3.4	mg/L	0.20	02/23/23 16:38	
EPA 6010D	Sodium	14.9	mg/L	1.0	02/23/23 16:38	
EPA 6010D	Calcium	132	mg/L	1.0	02/23/23 16:38	
EPA 6010D	Magnesium	44.0	mg/L	0.050	02/23/23 16:38	
EPA 6020B	Arsenic	0.0032J	mg/L	0.0050	02/28/23 15:34	
EPA 6020B	Barium	0.058	mg/L	0.0050	02/28/23 15:34	
EPA 6020B	Boron	3.8	mg/L	0.040	02/28/23 15:34	
EPA 6020B	Lithium	0.0013J	mg/L	0.030	02/28/23 15:34	
EPA 6020B	Molybdenum	0.0083J	mg/L	0.010	02/28/23 15:34	
EPA 6020B	Selenium	0.0098	mg/L	0.0050	02/28/23 15:34	
SM 2540C-2015	Total Dissolved Solids	948	mg/L	25.0	02/06/23 13:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	113	mg/L	5.0	02/07/23 17:41	
SM 2320B-2011	Alkalinity, Total as CaCO3	113	mg/L	5.0	02/07/23 17:41	
EPA 300.0 Rev 2.1 1993	Chloride	240	mg/L	5.0	02/07/23 19:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	02/07/23 00:09	
EPA 300.0 Rev 2.1 1993	Sulfate	118	mg/L	5.0	02/07/23 19:00	
92649235043	BOW-BGWC-41D					
	Performed by	Client			02/13/23 17:50	
	Collected By	WL			02/13/23 17:50	
	Collected Date	2/1/23			02/13/23 17:50	
	Collected Time	10:13			02/13/23 17:50	
	pH	7.05	Std. Units		02/13/23 17:50	
EPA 6010D	Calcium	228	mg/L	5.0	02/24/23 13:35	
EPA 6010D	Iron	0.99	mg/L	0.040	02/23/23 16:43	
EPA 6010D	Manganese	0.038J	mg/L	0.040	02/23/23 16:43	
EPA 6010D	Potassium	1.2	mg/L	0.20	02/23/23 16:43	
EPA 6010D	Sodium	29.9	mg/L	1.0	02/23/23 16:43	
EPA 6010D	Magnesium	95.6	mg/L	0.050	02/23/23 16:43	
EPA 6020B	Arsenic	0.0084	mg/L	0.0050	02/28/23 15:40	
EPA 6020B	Barium	0.071	mg/L	0.0050	02/28/23 15:40	
EPA 6020B	Boron	1.5	mg/L	0.040	02/28/23 15:40	
EPA 6020B	Cobalt	0.00067J	mg/L	0.0050	02/28/23 15:40	
EPA 6020B	Lithium	0.0019J	mg/L	0.030	02/28/23 15:40	
EPA 6020B	Molybdenum	0.0092J	mg/L	0.010	02/28/23 15:40	
EPA 6020B	Selenium	0.0016J	mg/L	0.0050	02/28/23 15:40	
SM 2540C-2015	Total Dissolved Solids	1500	mg/L	25.0	02/06/23 13:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	118	mg/L	5.0	02/07/23 17:50	
SM 2320B-2011	Alkalinity, Total as CaCO3	118	mg/L	5.0	02/07/23 17:50	
EPA 300.0 Rev 2.1 1993	Chloride	393	mg/L	8.0	02/07/23 19:19	
EPA 300.0 Rev 2.1 1993	Fluoride	0.084J	mg/L	0.10	02/07/23 00:28	
EPA 300.0 Rev 2.1 1993	Sulfate	345	mg/L	8.0	02/07/23 19:19	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235044	BOW-BGWC-49D					
	Performed by	Client			02/13/23 17:51	
	Collected By	MD			02/13/23 17:51	
	Collected Date	2/1/23			02/13/23 17:51	
	Collected Time	11:15			02/13/23 17:51	
	pH	7.17	Std. Units		02/13/23 17:51	
EPA 6010D	Calcium	236	mg/L	5.0	02/24/23 13:40	
EPA 6010D	Iron	0.87	mg/L	0.040	02/23/23 16:48	
EPA 6010D	Manganese	0.29	mg/L	0.040	02/23/23 16:48	
EPA 6010D	Potassium	3.4	mg/L	0.20	02/23/23 16:48	
EPA 6010D	Sodium	33.4	mg/L	1.0	02/23/23 16:48	
EPA 6010D	Magnesium	92.3	mg/L	0.050	02/23/23 16:48	
EPA 6020B	Arsenic	0.0073	mg/L	0.0050	02/28/23 15:46	
EPA 6020B	Barium	0.055	mg/L	0.0050	02/28/23 15:46	
EPA 6020B	Boron	7.5	mg/L	0.040	02/28/23 15:46	
EPA 6020B	Cobalt	0.00089J	mg/L	0.0050	02/28/23 15:46	
EPA 6020B	Lithium	0.0042J	mg/L	0.030	02/28/23 15:46	
EPA 6020B	Molybdenum	0.0072J	mg/L	0.010	02/28/23 15:46	
SM 2540C-2015	Total Dissolved Solids	1820	mg/L	25.0	02/06/23 13:44	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	104	mg/L	5.0	02/07/23 17:59	
SM 2320B-2011	Alkalinity, Total as CaCO3	104	mg/L	5.0	02/07/23 17:59	
EPA 300.0 Rev 2.1 1993	Chloride	468	mg/L	10.0	02/07/23 19:37	
EPA 300.0 Rev 2.1 1993	Fluoride	0.085J	mg/L	0.10	02/07/23 00:47	
EPA 300.0 Rev 2.1 1993	Sulfate	232	mg/L	10.0	02/07/23 19:37	
92649235045	BOW-AP1-FD-04					
EPA 6010D	Manganese	2.4	mg/L	0.040	02/23/23 16:52	
EPA 6010D	Potassium	7.2	mg/L	0.20	02/23/23 16:52	
EPA 6010D	Sodium	12.9	mg/L	1.0	02/23/23 16:52	
EPA 6010D	Magnesium	74.2	mg/L	0.050	02/23/23 16:52	
EPA 6010D	Calcium	545	mg/L	5.0	02/24/23 13:45	
EPA 6020B	Arsenic	0.0054	mg/L	0.0050	02/28/23 15:52	
EPA 6020B	Barium	0.052	mg/L	0.0050	02/28/23 15:52	
EPA 6020B	Beryllium	0.00030J	mg/L	0.00050	02/28/23 15:52	
EPA 6020B	Boron	18.3	mg/L	0.40	02/28/23 17:39	
EPA 6020B	Cadmium	0.0030	mg/L	0.00050	02/28/23 15:52	
EPA 6020B	Cobalt	0.0023J	mg/L	0.0050	02/28/23 15:52	
EPA 6020B	Lithium	0.0063J	mg/L	0.030	02/28/23 15:52	
EPA 6020B	Selenium	0.0052	mg/L	0.0050	02/28/23 15:52	
EPA 6020B	Thallium	0.00035J	mg/L	0.0010	02/28/23 15:52	
EPA 7470A	Mercury	0.00053	mg/L	0.00020	03/02/23 12:51	H1,H2
SM 2540C-2015	Total Dissolved Solids	2850	mg/L	50.0	02/08/23 18:57	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	02/07/23 18:08	
SM 2320B-2011	Alkalinity, Total as CaCO3	144	mg/L	5.0	02/07/23 18:08	
EPA 300.0 Rev 2.1 1993	Chloride	795	mg/L	16.0	02/07/23 19:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.18	mg/L	0.10	02/07/23 01:06	
EPA 300.0 Rev 2.1 1993	Sulfate	399	mg/L	16.0	02/07/23 19:56	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235046	BOW-AP1-EB-02					
SM 2540C-2015	Total Dissolved Solids	29.0	mg/L	25.0	02/06/23 13:45	
92649235047	BOW-AP1-FB-07					
SM 2540C-2015	Total Dissolved Solids	60.0	mg/L	25.0	02/06/23 13:46	
92649235048	BOW-BGWA-33					
	Performed by	Client			02/13/23 17:53	
	Collected By	MD			02/13/23 17:53	
	Collected Date	2/2/23			02/13/23 17:53	
	Collected Time	9:55			02/13/23 17:53	
	pH	6.70	Std. Units		02/13/23 17:53	
EPA 6010D	Iron	2.2	mg/L	0.040	02/23/23 17:17	
EPA 6010D	Manganese	0.090	mg/L	0.040	02/23/23 17:17	
EPA 6010D	Potassium	3.7	mg/L	0.20	02/23/23 17:17	
EPA 6010D	Sodium	6.3	mg/L	1.0	02/23/23 17:17	
EPA 6010D	Calcium	81.4	mg/L	1.0	02/23/23 17:17	
EPA 6010D	Magnesium	32.8	mg/L	0.050	02/23/23 17:17	
EPA 6020B	Arsenic	0.010	mg/L	0.0050	02/28/23 16:36	
EPA 6020B	Barium	0.085	mg/L	0.0050	02/28/23 16:36	
EPA 6020B	Boron	0.0092J	mg/L	0.040	02/28/23 16:36	
EPA 6020B	Cobalt	0.00051J	mg/L	0.0050	02/28/23 16:36	
EPA 6020B	Molybdenum	0.0077J	mg/L	0.010	02/28/23 16:36	
SM 2540C-2015	Total Dissolved Solids	368	mg/L	25.0	02/08/23 18:53	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	367	mg/L	5.0	02/10/23 18:32	
SM 2320B-2011	Alkalinity, Total as CaCO3	367	mg/L	5.0	02/10/23 18:32	
EPA 300.0 Rev 2.1 1993	Chloride	3.4	mg/L	1.0	02/09/23 17:02	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	02/09/23 17:02	
EPA 300.0 Rev 2.1 1993	Sulfate	7.3	mg/L	1.0	02/09/23 17:02	
92649235049	BOW-BGWC-23					
	Performed by	Client			02/13/23 17:54	
	Collected By	MD			02/13/23 17:54	
	Collected Date	2/2/23			02/13/23 17:54	
	Collected Time	10:40			02/13/23 17:54	
	pH	6.80	Std. Units		02/13/23 17:54	
EPA 6010D	Iron	0.28	mg/L	0.040	02/23/23 17:21	
EPA 6010D	Manganese	0.25	mg/L	0.040	02/23/23 17:21	
EPA 6010D	Potassium	9.0	mg/L	0.20	02/23/23 17:21	
EPA 6010D	Sodium	32.1	mg/L	1.0	02/23/23 17:21	
EPA 6010D	Magnesium	114	mg/L	0.050	02/23/23 17:21	
EPA 6010D	Calcium	543	mg/L	5.0	02/24/23 13:50	
EPA 6020B	Antimony	0.0070	mg/L	0.0030	02/28/23 16:42	
EPA 6020B	Arsenic	0.010	mg/L	0.0050	02/28/23 16:42	
EPA 6020B	Barium	0.088	mg/L	0.0050	02/28/23 16:42	
EPA 6020B	Boron	13.1	mg/L	0.40	02/28/23 17:45	
EPA 6020B	Lithium	0.025J	mg/L	0.030	02/28/23 16:42	
EPA 6020B	Molybdenum	0.0078J	mg/L	0.010	02/28/23 16:42	
EPA 6020B	Selenium	0.0019J	mg/L	0.0050	02/28/23 16:42	
EPA 6020B	Thallium	0.00027J	mg/L	0.0010	02/28/23 16:42	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235049	BOW-BGWC-23					
SM 2540C-2015	Total Dissolved Solids	2680	mg/L	25.0	02/08/23 18:53	1g
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	140	mg/L	5.0	02/14/23 14:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	140	mg/L	5.0	02/14/23 14:10	
EPA 300.0 Rev 2.1 1993	Chloride	737	mg/L	11.0	02/10/23 02:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.074J	mg/L	0.10	02/09/23 17:16	
EPA 300.0 Rev 2.1 1993	Sulfate	514	mg/L	11.0	02/10/23 02:51	
92649235050	BOW-BGWC-39					
	Performed by	Client			02/13/23 17:54	
	Collected By	WL			02/13/23 17:54	
	Collected Date	2/2/23			02/13/23 17:54	
	Collected Time	11:42			02/13/23 17:54	
	pH	6.93	Std. Units		02/13/23 17:54	
EPA 6010D	Calcium	267	mg/L	5.0	02/24/23 13:55	
EPA 6010D	Potassium	5.7	mg/L	0.20	02/23/23 17:26	
EPA 6010D	Sodium	14.5	mg/L	1.0	02/23/23 17:26	
EPA 6010D	Magnesium	36.9	mg/L	0.050	02/23/23 17:26	
EPA 6020B	Arsenic	0.0048J	mg/L	0.0050	02/28/23 16:47	
EPA 6020B	Barium	0.039	mg/L	0.0050	02/28/23 16:47	
EPA 6020B	Boron	5.1	mg/L	0.040	02/28/23 16:47	
EPA 6020B	Lithium	0.0029J	mg/L	0.030	02/28/23 16:47	
EPA 6020B	Molybdenum	0.0035J	mg/L	0.010	02/28/23 16:47	
SM 2540C-2015	Total Dissolved Solids	1220	mg/L	25.0	02/08/23 18:53	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	222	mg/L	5.0	02/14/23 17:43	
SM 2320B-2011	Alkalinity, Total as CaCO3	222	mg/L	5.0	02/14/23 17:43	
EPA 300.0 Rev 2.1 1993	Chloride	224	mg/L	5.0	02/10/23 03:06	
EPA 300.0 Rev 2.1 1993	Fluoride	0.098J	mg/L	0.10	02/09/23 17:59	
EPA 300.0 Rev 2.1 1993	Sulfate	226	mg/L	5.0	02/10/23 03:06	
92649235051	BOW-PZ-7					
	Performed by	Client			02/13/23 17:55	
	Collected By	WL			02/13/23 17:55	
	Collected Date	2/2/23			02/13/23 17:55	
	Collected Time	13:05			02/13/23 17:55	
	pH	6.40	Std. Units		02/13/23 17:55	
EPA 6010D	Manganese	0.014J	mg/L	0.040	02/24/23 19:12	
EPA 6010D	Potassium	2.0	mg/L	0.20	02/24/23 19:12	
EPA 6010D	Sodium	14.1	mg/L	1.0	02/24/23 19:12	
EPA 6010D	Calcium	96.8	mg/L	1.0	02/24/23 19:12	
EPA 6010D	Magnesium	20.7	mg/L	0.050	02/24/23 19:12	
EPA 6020B	Arsenic	0.0037J	mg/L	0.0050	02/28/23 16:53	
EPA 6020B	Barium	0.022	mg/L	0.0050	02/28/23 16:53	
EPA 6020B	Beryllium	0.000072J	mg/L	0.00050	02/28/23 16:53	
EPA 6020B	Boron	1.0	mg/L	0.040	02/28/23 16:53	
EPA 7470A	Mercury	0.00015J	mg/L	0.00020	03/02/23 15:47	
SM 2540C-2015	Total Dissolved Solids	420	mg/L	25.0	02/08/23 18:53	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	156	mg/L	5.0	02/14/23 14:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	156	mg/L	5.0	02/14/23 14:30	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235051	BOW-PZ-7					
EPA 300.0 Rev 2.1 1993	Chloride	12.6	mg/L	1.0	02/09/23 18:14	
EPA 300.0 Rev 2.1 1993	Sulfate	163	mg/L	4.0	02/10/23 03:20	
92649235053	BOW-AP1-FB-08					
SM 2540C-2015	Total Dissolved Solids	31.3	mg/L	25.0	02/08/23 18:54	
92649235054	BOW-BGWC-22					
	Performed by	Client			02/13/23 17:56	
	Collected By	MD			02/13/23 17:56	
	Collected Date	2/7/23			02/13/23 17:56	
	Collected Time	11:00			02/13/23 17:56	
	pH	6.44	Std. Units		02/13/23 17:56	
EPA 6010D	Iron	0.072	mg/L	0.040	02/24/23 19:41	
EPA 6010D	Manganese	5.1	mg/L	0.040	02/24/23 19:41	
EPA 6010D	Potassium	13.5	mg/L	0.20	02/24/23 19:41	
EPA 6010D	Sodium	33.3	mg/L	1.0	02/24/23 19:41	
EPA 6010D	Magnesium	81.1	mg/L	0.050	02/24/23 19:41	
EPA 6010D	Calcium	583	mg/L	5.0	02/25/23 14:04	
EPA 6020B	Arsenic	0.0028J	mg/L	0.0050	03/02/23 13:57	
EPA 6020B	Barium	0.058	mg/L	0.0050	03/02/23 13:57	
EPA 6020B	Beryllium	0.00013J	mg/L	0.00050	03/02/23 13:57	
EPA 6020B	Boron	16.9	mg/L	0.40	03/02/23 14:03	
EPA 6020B	Cadmium	0.0010	mg/L	0.00050	03/02/23 13:57	
EPA 6020B	Cobalt	0.017	mg/L	0.0050	03/02/23 13:57	
EPA 6020B	Lithium	0.018J	mg/L	0.030	03/02/23 13:57	
EPA 6020B	Molybdenum	0.032	mg/L	0.010	03/02/23 13:57	
EPA 6020B	Selenium	0.0016J	mg/L	0.0050	03/02/23 13:57	
EPA 6020B	Thallium	0.00080J	mg/L	0.0010	03/02/23 13:57	
SM 2540C-2015	Total Dissolved Solids	2490	mg/L	25.0	02/13/23 11:43	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	85.3	mg/L	5.0	02/16/23 12:17	
SM 2320B-2011	Alkalinity, Total as CaCO3	85.3	mg/L	5.0	02/16/23 12:17	
EPA 300.0 Rev 2.1 1993	Chloride	803	mg/L	16.0	02/15/23 11:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.26	mg/L	0.10	02/15/23 07:03	
EPA 300.0 Rev 2.1 1993	Sulfate	707	mg/L	16.0	02/15/23 11:15	
92649235055	BOW-BGWC-38D					
	Performed by	Client			02/13/23 17:57	
	Collected By	WL			02/13/23 17:57	
	Collected Date	2/7/23			02/13/23 17:57	
	Collected Time	15:36			02/13/23 17:57	
	pH	5.99	Std. Units		02/13/23 17:57	
EPA 6010D	Manganese	0.14	mg/L	0.040	02/24/23 19:46	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/24/23 19:46	
EPA 6010D	Sodium	6.4	mg/L	1.0	02/24/23 19:46	
EPA 6010D	Calcium	61.3	mg/L	1.0	02/24/23 19:46	
EPA 6010D	Magnesium	22.2	mg/L	0.050	02/24/23 19:46	
EPA 6020B	Antimony	0.00082J	mg/L	0.0030	03/02/23 14:23	
EPA 6020B	Barium	0.11	mg/L	0.0050	03/02/23 14:23	
EPA 6020B	Beryllium	0.000087J	mg/L	0.00050	03/02/23 14:23	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92649235055	BOW-BGWC-38D					
EPA 6020B	Boron	1.8	mg/L	0.040	03/02/23 14:23	
EPA 6020B	Cobalt	0.0014J	mg/L	0.0050	03/02/23 14:23	
EPA 6020B	Lithium	0.0011J	mg/L	0.030	03/02/23 14:23	
EPA 6020B	Molybdenum	0.020	mg/L	0.010	03/02/23 14:23	
SM 2540C-2015	Total Dissolved Solids	348	mg/L	25.0	02/13/23 11:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	73.6	mg/L	5.0	02/16/23 12:25	
SM 2320B-2011	Alkalinity, Total as CaCO3	73.6	mg/L	5.0	02/16/23 12:25	
EPA 300.0 Rev 2.1 1993	Chloride	93.7	mg/L	1.0	02/14/23 15:50	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	02/14/23 15:50	M1
EPA 300.0 Rev 2.1 1993	Sulfate	42.6	mg/L	1.0	02/14/23 15:50	
92649235056	BOW-BGWC-43D					
	Performed by	Client			02/13/23 17:57	
	Collected By	WL			02/13/23 17:57	
	Collected Date	2/7/23			02/13/23 17:57	
	Collected Time	11:39			02/13/23 17:57	
	pH	7.03	Std. Units		02/13/23 17:57	
EPA 6010D	Iron	0.26	mg/L	0.040	02/24/23 20:01	
EPA 6010D	Manganese	1.2	mg/L	0.040	02/24/23 20:01	
EPA 6010D	Potassium	4.4	mg/L	0.20	02/24/23 20:01	
EPA 6010D	Sodium	24.6	mg/L	1.0	02/24/23 20:01	
EPA 6010D	Calcium	184	mg/L	1.0	02/24/23 20:01	
EPA 6010D	Magnesium	42.1	mg/L	0.050	02/24/23 20:01	
EPA 6020B	Barium	0.059	mg/L	0.0050	03/02/23 14:29	
EPA 6020B	Boron	6.9	mg/L	0.040	03/02/23 14:29	
EPA 6020B	Cadmium	0.00014J	mg/L	0.00050	03/02/23 14:29	
EPA 6020B	Cobalt	0.0016J	mg/L	0.0050	03/02/23 14:29	
EPA 6020B	Lithium	0.016J	mg/L	0.030	03/02/23 14:29	
EPA 6020B	Molybdenum	0.13	mg/L	0.010	03/02/23 14:29	
EPA 6020B	Thallium	0.0011	mg/L	0.0010	03/02/23 14:29	
SM 2540C-2015	Total Dissolved Solids	992	mg/L	25.0	02/13/23 11:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	02/16/23 12:43	
SM 2320B-2011	Alkalinity, Total as CaCO3	144	mg/L	5.0	02/16/23 12:43	
EPA 300.0 Rev 2.1 1993	Chloride	226	mg/L	5.0	02/15/23 01:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.97	mg/L	0.10	02/14/23 16:35	
EPA 300.0 Rev 2.1 1993	Sulfate	167	mg/L	5.0	02/15/23 01:43	
92649235057	BOW-AP1-FD-05					
EPA 6010D	Iron	0.26	mg/L	0.040	02/24/23 20:05	
EPA 6010D	Manganese	1.2	mg/L	0.040	02/24/23 20:05	
EPA 6010D	Potassium	4.2	mg/L	0.20	02/24/23 20:05	
EPA 6010D	Sodium	24.0	mg/L	1.0	02/24/23 20:05	
EPA 6010D	Calcium	182	mg/L	1.0	02/24/23 20:05	
EPA 6010D	Magnesium	41.5	mg/L	0.050	02/24/23 20:05	
EPA 6020B	Barium	0.062	mg/L	0.0050	03/02/23 14:41	
EPA 6020B	Boron	7.2	mg/L	0.040	03/02/23 14:41	
EPA 6020B	Cadmium	0.00018J	mg/L	0.00050	03/02/23 14:41	
EPA 6020B	Cobalt	0.0017J	mg/L	0.0050	03/02/23 14:41	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92649235

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649235057	BOW-AP1-FD-05					
EPA 6020B	Lithium	0.017J	mg/L	0.030	03/02/23 14:41	
EPA 6020B	Molybdenum	0.14	mg/L	0.010	03/02/23 14:41	
EPA 6020B	Thallium	0.0011	mg/L	0.0010	03/02/23 14:41	
SM 2540C-2015	Total Dissolved Solids	897	mg/L	25.0	02/13/23 11:45	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	149	mg/L	5.0	02/16/23 12:53	
SM 2320B-2011	Alkalinity, Total as CaCO3	149	mg/L	5.0	02/16/23 12:53	M1
EPA 300.0 Rev 2.1 1993	Chloride	226	mg/L	5.0	02/15/23 01:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.97	mg/L	0.10	02/14/23 16:50	
EPA 300.0 Rev 2.1 1993	Sulfate	167	mg/L	5.0	02/15/23 01:57	
92649235058	BOW-AP1-EB-04					
EPA 6020B	Boron	0.036J	mg/L	0.040	03/02/23 14:47	
SM 2540C-2015	Total Dissolved Solids	59.0	mg/L	25.0	02/13/23 11:45	
92649235059	BOW-AP1-FB-9					
EPA 6020B	Boron	0.011J	mg/L	0.040	03/02/23 14:53	
SM 2540C-2015	Total Dissolved Solids	189	mg/L	25.0	02/13/23 11:46	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWA-2 **Lab ID: 92649235001** Collected: 01/24/23 15:27 Received: 01/27/23 12:10 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:22		
Collected By	MD				1		02/13/23 17:22		
Collected Date	1/24/23				1		02/13/23 17:22		
Collected Time	15:27				1		02/13/23 17:22		
pH	7.32	Std. Units			1		02/13/23 17:22		

6010D ATL ICP

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

Iron	0.079	mg/L	0.040	0.025	1	01/31/23 17:12	02/02/23 23:30	7439-89-6	
Manganese	0.0051J	mg/L	0.040	0.0043	1	01/31/23 17:12	02/02/23 23:30	7439-96-5	
Potassium	1.7	mg/L	0.20	0.15	1	01/31/23 17:12	02/02/23 23:30	7440-09-7	
Sodium	3.1	mg/L	1.0	0.58	1	01/31/23 17:12	02/02/23 23:30	7440-23-5	
Calcium	51.4	mg/L	1.0	0.12	1	01/31/23 17:12	02/02/23 23:30	7440-70-2	
Magnesium	21.5	mg/L	0.050	0.012	1	01/31/23 17:12	02/02/23 23:30	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 18:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 18:02	7440-38-2	
Barium	0.10	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 18:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 18:02	7440-41-7	
Boron	0.010J	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 18:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 18:02	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 18:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 18:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 18:02	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:02	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 18:02	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 18:02	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:02	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 08:36	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	223	mg/L	25.0	25.0	1		01/30/23 19:51		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	213	mg/L	5.0	5.0	1		01/31/23 16:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		01/31/23 16:43		
Alkalinity, Total as CaCO3	213	mg/L	5.0	5.0	1		01/31/23 16:43		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWA-2** Lab ID: **92649235001** Collected: 01/24/23 15:27 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.4	mg/L	1.0	0.60	1		02/01/23 01:44	16887-00-6	
Fluoride	0.055J	mg/L	0.10	0.050	1		02/01/23 01:44	16984-48-8	
Sulfate	12.5	mg/L	1.0	0.50	1		02/01/23 01:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWA-29 **Lab ID: 92649235002** Collected: 01/24/23 12:26 Received: 01/27/23 12:10 Matrix: Water

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

Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1	02/13/23 17:23			
Collected By	KS				1	02/13/23 17:23			
Collected Date	1/24/23				1	02/13/23 17:23			
Collected Time	12:26				1	02/13/23 17:23			
pH	7.77	Std. Units			1	02/13/23 17:23			

6010D ATL ICP

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

Iron	0.027J	mg/L	0.040	0.025	1	01/31/23 17:12	02/02/23 23:34	7439-89-6	
Manganese	0.0056J	mg/L	0.040	0.0043	1	01/31/23 17:12	02/02/23 23:34	7439-96-5	
Potassium	0.63	mg/L	0.20	0.15	1	01/31/23 17:12	02/02/23 23:34	7440-09-7	
Sodium	2.7	mg/L	1.0	0.58	1	01/31/23 17:12	02/02/23 23:34	7440-23-5	
Calcium	21.0	mg/L	1.0	0.12	1	01/31/23 17:12	02/02/23 23:34	7440-70-2	M1
Magnesium	10.7	mg/L	0.050	0.012	1	01/31/23 17:12	02/02/23 23:34	7439-95-4	M1

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 18:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 18:08	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 18:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 18:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 18:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 18:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 18:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 18:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 18:08	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:08	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 18:08	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 18:08	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:08	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 08:46	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	129	mg/L	25.0	25.0	1	01/30/23 19:52			
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	92.1	mg/L	5.0	5.0	1	01/31/23 14:19			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1	01/31/23 14:19			
Alkalinity, Total as CaCO3	92.1	mg/L	5.0	5.0	1	01/31/23 14:19			

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWA-29 **Lab ID: 92649235002** Collected: 01/24/23 12:26 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		02/01/23 02:02	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		02/01/23 02:02	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		02/01/23 02:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWA-47D **Lab ID: 92649235003** Collected: 01/24/23 13:59 Received: 01/27/23 12:10 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:23		
Collected By	MD				1		02/13/23 17:23		
Collected Date	1/24/23				1		02/13/23 17:23		
Collected Time	13:59				1		02/13/23 17:23		
pH	6.72	Std. Units			1		02/13/23 17:23		

6010D ATL ICP

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

Iron	0.033J	mg/L	0.040	0.025	1	01/31/23 17:12	02/02/23 23:54	7439-89-6
Manganese	0.0099J	mg/L	0.040	0.0043	1	01/31/23 17:12	02/02/23 23:54	7439-96-5
Potassium	1.6	mg/L	0.20	0.15	1	01/31/23 17:12	02/02/23 23:54	7440-09-7
Sodium	5.4	mg/L	1.0	0.58	1	01/31/23 17:12	02/02/23 23:54	7440-23-5
Calcium	109	mg/L	1.0	0.12	1	01/31/23 17:12	02/02/23 23:54	7440-70-2
Magnesium	21.2	mg/L	0.050	0.012	1	01/31/23 17:12	02/02/23 23:54	7439-95-4

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 18:14	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 18:14	7440-38-2
Barium	0.059	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 18:14	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 18:14	7440-41-7
Boron	0.016J	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 18:14	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 18:14	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 18:14	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 18:14	7440-48-4
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 18:14	7439-92-1
Lithium	ND	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:14	7439-93-2
Molybdenum	ND	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 18:14	7439-98-7
Selenium	0.0015J	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 18:14	7782-49-2
Thallium	ND	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:14	7440-28-0

7470 Mercury

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

Mercury	0.00022	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 08:49	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	391	mg/L	25.0	25.0	1		01/30/23 19:53	
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	301	mg/L	5.0	5.0	1		01/31/23 16:52	
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		01/31/23 16:52	
Alkalinity, Total as CaCO3	301	mg/L	5.0	5.0	1		01/31/23 16:52	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWA-47D **Lab ID: 92649235003** Collected: 01/24/23 13:59 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.2	mg/L	1.0	0.60	1		02/01/23 02:19	16887-00-6	
Fluoride	0.050J	mg/L	0.10	0.050	1		02/01/23 02:19	16984-48-8	
Sulfate	67.2	mg/L	1.0	0.50	1		02/01/23 02:19	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWA-48D **Lab ID: 92649235004** Collected: 01/24/23 11:45 Received: 01/27/23 12:10 Matrix: Water

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

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:24		
Collected By	MD				1		02/13/23 17:24		
Collected Date	1/24/23				1		02/13/23 17:24		
Collected Time	11:45				1		02/13/23 17:24		
pH	7.32	Std. Units			1		02/13/23 17:24		

6010D ATL ICP

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

Iron	0.15	mg/L	0.040	0.025	1	01/31/23 17:12	02/02/23 23:59	7439-89-6	
Manganese	0.018J	mg/L	0.040	0.0043	1	01/31/23 17:12	02/02/23 23:59	7439-96-5	
Potassium	1.3	mg/L	0.20	0.15	1	01/31/23 17:12	02/02/23 23:59	7440-09-7	
Sodium	54.2	mg/L	1.0	0.58	1	01/31/23 17:12	02/02/23 23:59	7440-23-5	
Calcium	40.7	mg/L	1.0	0.12	1	01/31/23 17:12	02/02/23 23:59	7440-70-2	
Magnesium	12.2	mg/L	0.050	0.012	1	01/31/23 17:12	02/02/23 23:59	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 18:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 18:20	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 18:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 18:20	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 18:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 18:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 18:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 18:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 18:20	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:20	7439-93-2	
Molybdenum	0.0070J	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 18:20	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 18:20	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:20	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 08:52	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	280	mg/L	25.0	25.0	1		01/30/23 19:53		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	226	mg/L	5.0	5.0	1		01/31/23 17:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		01/31/23 17:01		
Alkalinity, Total as CaCO3	226	mg/L	5.0	5.0	1		01/31/23 17:01		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWA-48D Lab ID: 92649235004 Collected: 01/24/23 11:45 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.3	mg/L	1.0	0.60	1		02/01/23 03:11	16887-00-6	
Fluoride	0.076J	mg/L	0.10	0.050	1		02/01/23 03:11	16984-48-8	
Sulfate	22.4	mg/L	1.0	0.50	1		02/01/23 03:11	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-7 **Lab ID: 92649235005** Collected: 01/26/23 11:48 Received: 01/27/23 12:10 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:25		
Collected By	KS				1		02/13/23 17:25		
Collected Date	1/26/23				1		02/13/23 17:25		
Collected Time	11:48				1		02/13/23 17:25		
pH	6.63	Std. Units			1		02/13/23 17:25		

6010D ATL ICP

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

Iron	0.63	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:04	7439-89-6
Manganese	0.024J	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:04	7439-96-5
Potassium	3.6	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:04	7440-09-7
Sodium	22.5	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:04	7440-23-5
Calcium	146	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:04	7440-70-2
Magnesium	44.9	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:04	7439-95-4

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 18:26	7440-36-0
Arsenic	0.0025J	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 18:26	7440-38-2
Barium	0.029	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 18:26	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 18:26	7440-41-7
Boron	1.0	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 18:26	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 18:26	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 18:26	7440-47-3
Cobalt	0.00068J	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 18:26	7440-48-4
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 18:26	7439-92-1
Lithium	0.0065J	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:26	7439-93-2
Molybdenum	0.0096J	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 18:26	7439-98-7
Selenium	ND	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 18:26	7782-49-2
Thallium	0.00019J	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:26	7440-28-0

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 08:54	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	657	mg/L	25.0	25.0	1		01/30/23 19:58	
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	307	mg/L	5.0	5.0	1		02/01/23 13:59	
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 13:59	
Alkalinity, Total as CaCO3	307	mg/L	5.0	5.0	1		02/01/23 13:59	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-7 **Lab ID: 92649235005** Collected: 01/26/23 11:48 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	7.5	mg/L	1.0	0.60	1		02/01/23 03:29	16887-00-6	
Fluoride	0.15	mg/L	0.10	0.050	1		02/01/23 03:29	16984-48-8	
Sulfate	253	mg/L	5.0	2.5	5		02/01/23 17:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-8 **Lab ID: 92649235006** Collected: 01/26/23 14:20 Received: 01/27/23 12:10 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:26		
Collected By	KS				1		02/13/23 17:26		
Collected Date	1/26/23				1		02/13/23 17:26		
Collected Time	14:20				1		02/13/23 17:26		
pH	7.34	Std. Units			1		02/13/23 17:26		

6010D ATL ICP

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

Iron	0.055	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:18	7439-89-6
Manganese	ND	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:18	7439-96-5
Potassium	2.9	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:18	7440-09-7
Sodium	4.8	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:18	7440-23-5
Calcium	42.8	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:18	7440-70-2
Magnesium	14.3	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:18	7439-95-4

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 18:32	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 18:32	7440-38-2
Barium	0.029	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 18:32	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 18:32	7440-41-7
Boron	0.051	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 18:32	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 18:32	7440-43-9
Chromium	0.0014J	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 18:32	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 18:32	7440-48-4
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 18:32	7439-92-1
Lithium	ND	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:32	7439-93-2
Molybdenum	0.00095J	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 18:32	7439-98-7
Selenium	ND	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 18:32	7782-49-2
Thallium	ND	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:32	7440-28-0

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:02	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	190	mg/L	25.0	25.0	1		01/30/23 19:59	
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	155	mg/L	5.0	5.0	1		01/31/23 19:46	
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		01/31/23 19:46	
Alkalinity, Total as CaCO3	155	mg/L	5.0	5.0	1		01/31/23 19:46	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWC-8** Lab ID: **92649235006** Collected: 01/26/23 14:20 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.7	mg/L	1.0	0.60	1		02/01/23 03:46	16887-00-6	
Fluoride	0.063J	mg/L	0.10	0.050	1		02/01/23 03:46	16984-48-8	
Sulfate	24.3	mg/L	1.0	0.50	1		02/01/23 03:46	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-9 **Lab ID: 92649235007** Collected: 01/26/23 15:35 Received: 01/27/23 12:10 Matrix: Water

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

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:26		
Collected By	MD				1		02/13/23 17:26		
Collected Date	1/26/23				1		02/13/23 17:26		
Collected Time	15:35				1		02/13/23 17:26		
pH	7.04	Std. Units			1		02/13/23 17:26		

6010D ATL ICP

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

Iron	0.28	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:23	7439-89-6	
Manganese	0.028J	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:23	7439-96-5	
Potassium	2.6	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:23	7440-09-7	
Sodium	11.6	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:23	7440-23-5	
Calcium	62.4	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:23	7440-70-2	
Magnesium	24.8	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:23	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 18:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 18:50	7440-38-2	
Barium	0.027	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 18:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 18:50	7440-41-7	
Boron	0.41	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 18:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 18:50	7440-43-9	
Chromium	0.0021J	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 18:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 18:50	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 18:50	7439-92-1	
Lithium	0.0018J	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:50	7439-93-2	
Molybdenum	0.0020J	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 18:50	7439-98-7	
Selenium	0.0015J	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 18:50	7782-49-2	
Thallium	0.00018J	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:50	7440-28-0	

7470 Mercury

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

Mercury	0.00013J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:05	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	301	mg/L	25.0	25.0	1		01/30/23 19:59		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	216	mg/L	5.0	5.0	1		02/01/23 14:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 14:07		
Alkalinity, Total as CaCO3	216	mg/L	5.0	5.0	1		02/01/23 14:07		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWC-9** Lab ID: **92649235007** Collected: 01/26/23 15:35 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	7.5	mg/L	1.0	0.60	1		02/01/23 04:04	16887-00-6	
Fluoride	0.090J	mg/L	0.10	0.050	1		02/01/23 04:04	16984-48-8	
Sulfate	63.6	mg/L	1.0	0.50	1		02/01/23 04:04	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-12 **Lab ID: 92649235008** Collected: 01/26/23 10:35 Received: 01/27/23 12:10 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:27		
Collected By	MD				1		02/13/23 17:27		
Collected Date	1/26/23				1		02/13/23 17:27		
Collected Time	10:35				1		02/13/23 17:27		
pH	6.68	Std. Units			1		02/13/23 17:27		

6010D ATL ICP

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

Iron	0.026J	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:28	7439-89-6	
Manganese	0.0049J	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:28	7439-96-5	
Potassium	3.5	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:28	7440-09-7	
Sodium	39.8	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:28	7440-23-5	
Calcium	178	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:28	7440-70-2	
Magnesium	61.2	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:28	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 18:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 18:56	7440-38-2	
Barium	0.052	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 18:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 18:56	7440-41-7	
Boron	1.3	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 18:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 18:56	7440-43-9	
Chromium	0.0018J	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 18:56	7440-47-3	
Cobalt	0.00045J	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 18:56	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 18:56	7439-92-1	
Lithium	0.0013J	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:56	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 18:56	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 18:56	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:56	7440-28-0	

7470 Mercury

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

Mercury	0.00013J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:07	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	995	mg/L	25.0	25.0	1		01/30/23 20:00		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	318	mg/L	5.0	5.0	1		02/21/23 18:04		H1
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 18:04		H1
Alkalinity, Total as CaCO3	318	mg/L	5.0	5.0	1		02/21/23 18:04		H1

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-12 Lab ID: 92649235008 Collected: 01/26/23 10:35 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	14.5	mg/L	1.0	0.60	1		02/01/23 04:21	16887-00-6	
Fluoride	0.083J	mg/L	0.10	0.050	1		02/01/23 04:21	16984-48-8	
Sulfate	463	mg/L	9.0	4.5	9		02/01/23 17:54	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-14A **Lab ID: 92649235009** Collected: 01/26/23 10:40 Received: 01/27/23 12:10 Matrix: Water

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

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:28		
Collected By	WL				1		02/13/23 17:28		
Collected Date	1/26/23				1		02/13/23 17:28		
Collected Time	10:40				1		02/13/23 17:28		
pH	6.91	Std. Units			1		02/13/23 17:28		

6010D ATL ICP

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

Iron	0.084	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:33	7439-89-6	
Manganese	0.33	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:33	7439-96-5	
Potassium	4.3	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:33	7440-09-7	
Sodium	16.6	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:33	7440-23-5	
Calcium	117	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:33	7440-70-2	
Magnesium	35.6	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:33	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 19:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 19:02	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 19:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 19:02	7440-41-7	
Boron	0.69	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 19:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 19:02	7440-43-9	
Chromium	0.0014J	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 19:02	7440-47-3	
Cobalt	0.0033J	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 19:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 19:02	7439-92-1	
Lithium	0.00077J	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 19:02	7439-93-2	
Molybdenum	0.0016J	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 19:02	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 19:02	7782-49-2	
Thallium	0.00048J	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 19:02	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:10	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	554	mg/L	25.0	25.0	1		01/30/23 20:01		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	243	mg/L	5.0	5.0	1		02/21/23 18:13		H1
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 18:13		H1
Alkalinity, Total as CaCO3	243	mg/L	5.0	5.0	1		02/21/23 18:13		H1

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-14A **Lab ID: 92649235009** Collected: 01/26/23 10:40 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	10.9	mg/L	1.0	0.60	1		02/01/23 05:13	16887-00-6	
Fluoride	0.084J	mg/L	0.10	0.050	1		02/01/23 05:13	16984-48-8	
Sulfate	213	mg/L	4.0	2.0	4		02/01/23 18:45	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-16 **Lab ID: 92649235010** Collected: 01/26/23 11:52 Received: 01/27/23 12:10 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:28		
Collected By	WL				1		02/13/23 17:28		
Collected Date	1/26/23				1		02/13/23 17:28		
Collected Time	11:52				1		02/13/23 17:28		
pH	6.56	Std. Units			1		02/13/23 17:28		

6010D ATL ICP

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

Iron	0.052	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:37	7439-89-6
Manganese	3.9	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:37	7439-96-5
Potassium	5.7	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:37	7440-09-7
Sodium	38.8	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:37	7440-23-5
Calcium	178	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:37	7440-70-2
Magnesium	30.5	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:37	7439-95-4

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 19:08	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 19:08	7440-38-2
Barium	0.033	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 19:08	7440-39-3
Beryllium	0.00015J	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 19:08	7440-41-7
Boron	1.6	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 19:08	7440-42-8
Cadmium	0.0021	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 19:08	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 19:08	7440-47-3
Cobalt	0.0098	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 19:08	7440-48-4
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 19:08	7439-92-1
Lithium	ND	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 19:08	7439-93-2
Molybdenum	ND	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 19:08	7439-98-7
Selenium	0.0024J	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 19:08	7782-49-2
Thallium	0.00023J	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 19:08	7440-28-0

7470 Mercury

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

Mercury	0.00015J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:13	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	895	mg/L	25.0	25.0	1		01/30/23 20:01	
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	138	mg/L	5.0	5.0	1		02/01/23 14:25	
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 14:25	
Alkalinity, Total as CaCO3	138	mg/L	5.0	5.0	1		02/01/23 14:25	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWC-16** Lab ID: **92649235010** Collected: 01/26/23 11:52 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	18.3	mg/L	1.0	0.60	1		02/01/23 05:31	16887-00-6	
Fluoride	0.091J	mg/L	0.10	0.050	1		02/01/23 05:31	16984-48-8	
Sulfate	490	mg/L	9.0	4.5	9		02/01/23 19:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-17 **Lab ID: 92649235011** Collected: 01/26/23 13:14 Received: 01/27/23 12:10 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:29		
Collected By	WL				1		02/13/23 17:29		
Collected Date	1/26/23				1		02/13/23 17:29		
Collected Time	13:14				1		02/13/23 17:29		
pH	7.21	Std. Units			1		02/13/23 17:29		

6010D ATL ICP

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

Iron	0.030J	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:42	7439-89-6	
Manganese	0.076	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:42	7439-96-5	
Potassium	2.4	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:42	7440-09-7	
Sodium	10.1	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:42	7440-23-5	
Calcium	76.2	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:42	7440-70-2	
Magnesium	27.9	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:42	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 19:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 19:14	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 19:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 19:14	7440-41-7	
Boron	1.0	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 19:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 19:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 19:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 19:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 19:14	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 19:14	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 19:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 19:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 19:14	7440-28-0	

7470 Mercury

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

Mercury	0.00027	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:15	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	396	mg/L	25.0	25.0	1		01/31/23 12:40		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	158	mg/L	5.0	5.0	1		02/01/23 14:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 14:36		
Alkalinity, Total as CaCO3	158	mg/L	5.0	5.0	1		02/01/23 14:36		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-17 **Lab ID: 92649235011** Collected: 01/26/23 13:14 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	34.0	mg/L	1.0	0.60	1		02/01/23 05:48	16887-00-6	
Fluoride	0.13	mg/L	0.10	0.050	1		02/01/23 05:48	16984-48-8	
Sulfate	110	mg/L	2.0	1.0	2		02/01/23 19:19	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-18 **Lab ID: 92649235012** Collected: 01/26/23 14:52 Received: 01/27/23 12:10 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:29		
Collected By	WL				1		02/13/23 17:29		
Collected Date	1/26/23				1		02/13/23 17:29		
Collected Time	14:52				1		02/13/23 17:29		
pH	6.20	Std. Units			1		02/13/23 17:29		

6010D ATL ICP

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

Iron	ND	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:47	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:47	7439-96-5	
Potassium	1.6	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:47	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:47	7440-23-5	
Calcium	41.4	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:47	7440-70-2	
Magnesium	16.0	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:47	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/01/23 12:06	02/03/23 19:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 12:06	02/03/23 19:50	7440-38-2	
Barium	0.034	mg/L	0.0050	0.00067	1	02/01/23 12:06	02/03/23 19:50	7440-39-3	
Beryllium	0.00010J	mg/L	0.00050	0.000054	1	02/01/23 12:06	02/03/23 19:50	7440-41-7	CL
Boron	0.45	mg/L	0.040	0.0086	1	02/01/23 12:06	02/03/23 19:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 12:06	02/03/23 19:50	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/01/23 12:06	02/03/23 19:50	7440-47-3	CL
Cobalt	ND	mg/L	0.0050	0.00039	1	02/01/23 12:06	02/03/23 19:50	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 12:06	02/03/23 19:50	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/01/23 12:06	02/03/23 19:50	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/01/23 12:06	02/03/23 19:50	7439-98-7	
Selenium	0.0022J	mg/L	0.0050	0.0014	1	02/01/23 12:06	02/03/23 19:50	7782-49-2	
Thallium	0.00019J	mg/L	0.0010	0.00018	1	02/01/23 12:06	02/03/23 19:50	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:18	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	197	mg/L	25.0	25.0	1		01/31/23 12:42		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	5.0	1		02/01/23 14:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 14:47		
Alkalinity, Total as CaCO3	102	mg/L	5.0	5.0	1		02/01/23 14:47		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-18 Lab ID: 92649235012 Collected: 01/26/23 14:52 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.9	mg/L	1.0	0.60	1		02/01/23 06:41	16887-00-6	
Fluoride	0.056J	mg/L	0.10	0.050	1		02/01/23 06:41	16984-48-8	
Sulfate	58.3	mg/L	1.0	0.50	1		02/01/23 06:41	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWA-6 **Lab ID: 92649235013** Collected: 01/25/23 12:30 Received: 01/27/23 12:10 Matrix: Water

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

Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:30		
Collected By	WL				1		02/13/23 17:30		
Collected Date	1/25/23				1		02/13/23 17:30		
Collected Time	12:30				1		02/13/23 17:30		
pH	6.87	Std. Units			1		02/13/23 17:30		

6010D ATL ICP

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

Iron	0.23	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:52	7439-89-6
Manganese	0.28	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:52	7439-96-5
Potassium	1.1	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:52	7440-09-7
Sodium	9.3	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:52	7440-23-5
Calcium	68.4	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:52	7440-70-2
Magnesium	31.0	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:52	7439-95-4

6020 MET ICPMS

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

Antimony	0.0017J	mg/L	0.0030	0.00078	1	02/01/23 12:06	02/03/23 20:14	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	02/01/23 12:06	02/03/23 20:14	7440-38-2
Barium	0.064	mg/L	0.0050	0.00067	1	02/01/23 12:06	02/03/23 20:14	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	02/01/23 12:06	02/06/23 13:26	7440-41-7
Boron	0.020J	mg/L	0.040	0.0086	1	02/01/23 12:06	02/03/23 20:14	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	02/01/23 12:06	02/03/23 20:14	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	02/01/23 12:06	02/06/23 13:26	7440-47-3
Cobalt	0.00074J	mg/L	0.0050	0.00039	1	02/01/23 12:06	02/03/23 20:14	7440-48-4
Lead	ND	mg/L	0.0010	0.00089	1	02/01/23 12:06	02/03/23 20:14	7439-92-1
Lithium	ND	mg/L	0.030	0.00073	1	02/01/23 12:06	02/03/23 20:14	7439-93-2
Molybdenum	ND	mg/L	0.010	0.00074	1	02/01/23 12:06	02/03/23 20:14	7439-98-7
Selenium	ND	mg/L	0.0050	0.0014	1	02/01/23 12:06	02/03/23 20:14	7782-49-2
Thallium	0.00022J	mg/L	0.0010	0.00018	1	02/01/23 12:06	02/03/23 20:14	7440-28-0

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:20	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	312	mg/L	25.0	25.0	1		01/30/23 19:54	
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	305	mg/L	5.0	5.0	1		02/01/23 09:39	
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 09:39	
Alkalinity, Total as CaCO3	305	mg/L	5.0	5.0	1		02/01/23 09:39	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWA-6 Lab ID: 92649235013 Collected: 01/25/23 12:30 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	10.1	mg/L	1.0	0.60	1		02/01/23 06:58	16887-00-6	
Fluoride	0.066J	mg/L	0.10	0.050	1		02/01/23 06:58	16984-48-8	
Sulfate	15.5	mg/L	1.0	0.50	1		02/01/23 06:58	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-44D **Lab ID: 92649235014** Collected: 01/25/23 14:08 Received: 01/27/23 12:10 Matrix: Water

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

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:31		
Collected By	WL				1		02/13/23 17:31		
Collected Date	1/25/23				1		02/13/23 17:31		
Collected Time	14:08				1		02/13/23 17:31		
pH	7.89	Std. Units			1		02/13/23 17:31		

6010D ATL ICP

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

Iron	0.050	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:57	7439-89-6	
Manganese	0.026J	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:57	7439-96-5	
Potassium	2.1	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:57	7440-09-7	
Sodium	109	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:57	7440-23-5	
Calcium	24.3	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:57	7440-70-2	
Magnesium	13.4	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:57	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 18:02	7440-36-0	
Arsenic	0.0043J	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 18:02	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 18:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 18:02	7440-41-7	
Boron	0.053	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 18:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 18:02	7440-43-9	
Chromium	0.0025J	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 18:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 18:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 18:02	7439-92-1	
Lithium	0.0040J	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 18:02	7439-93-2	
Molybdenum	0.011	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 18:02	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 18:02	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 18:02	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:23	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	350	mg/L	25.0	25.0	1		01/30/23 19:54		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	321	mg/L	5.0	5.0	1		02/01/23 13:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 13:42		
Alkalinity, Total as CaCO3	321	mg/L	5.0	5.0	1		02/01/23 13:42		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-44D **Lab ID: 92649235014** Collected: 01/25/23 14:08 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	13.5	mg/L	1.0	0.60	1		02/01/23 07:15	16887-00-6	
Fluoride	0.28	mg/L	0.10	0.050	1		02/01/23 07:15	16984-48-8	
Sulfate	11.7	mg/L	1.0	0.50	1		02/01/23 07:15	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-AP1-FD-02 **Lab ID: 92649235015** Collected: 01/26/23 00:00 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 01:01	7439-89-6	
Manganese	0.076	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 01:01	7439-96-5	
Potassium	2.5	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 01:01	7440-09-7	
Sodium	10.1	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 01:01	7440-23-5	
Calcium	75.7	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 01:01	7440-70-2	
Magnesium	27.8	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 01:01	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 18:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 18:08	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 18:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 18:08	7440-41-7	
Boron	1.1	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 18:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 18:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 18:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 18:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 18:08	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 18:08	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 18:08	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 18:08	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 18:08	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00032	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:26	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	379	mg/L	25.0	25.0	1		01/31/23 12:42		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	156	mg/L	5.0	5.0	1		02/01/23 14:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 14:56		
Alkalinity, Total as CaCO3	156	mg/L	5.0	5.0	1		02/01/23 14:56		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	34.1	mg/L	1.0	0.60	1		02/01/23 07:33	16887-00-6	
Fluoride	0.13	mg/L	0.10	0.050	1		02/01/23 07:33	16984-48-8	
Sulfate	110	mg/L	2.0	1.0	2		02/01/23 19:37	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FD-01 **Lab ID: 92649235016** Collected: 01/24/23 00:00 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.15	mg/L	0.040	0.025	1	01/31/23 17:12	02/06/23 12:38	7439-89-6	
Manganese	0.018J	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 14:27	7439-96-5	
Potassium	1.0	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 14:27	7440-09-7	
Sodium	44.1	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 14:27	7440-23-5	
Calcium	34.7	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 14:27	7440-70-2	
Magnesium	11.0	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 14:27	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 18:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 18:14	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 18:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 18:14	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 18:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 18:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 18:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 18:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 18:14	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 18:14	7439-93-2	
Molybdenum	0.0070J	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 18:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 18:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 18:14	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:34	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	262	mg/L	25.0	25.0	1		01/30/23 19:53		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	227	mg/L	5.0	5.0	1		01/31/23 17:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		01/31/23 17:09		
Alkalinity, Total as CaCO3	227	mg/L	5.0	5.0	1		01/31/23 17:09		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.5	mg/L	1.0	0.60	1		02/01/23 07:50	16887-00-6	
Fluoride	0.077J	mg/L	0.10	0.050	1		02/01/23 07:50	16984-48-8	
Sulfate	22.9	mg/L	1.0	0.50	1		02/01/23 07:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-50D **Lab ID: 92649235017** Collected: 01/25/23 15:35 Received: 01/27/23 12:10 Matrix: Water

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

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:33		
Collected By	WL				1		02/13/23 17:33		
Collected Date	1/25/23				1		02/13/23 17:33		
Collected Time	15:35				1		02/13/23 17:33		
pH	7.03	Std. Units			1		02/13/23 17:33		

6010D ATL ICP

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

Iron	2.1	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 14:59	7439-89-6	
Manganese	0.099	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 14:59	7439-96-5	
Potassium	1.6	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 14:59	7440-09-7	
Sodium	118	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 14:59	7440-23-5	
Calcium	65.0	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 14:59	7440-70-2	
Magnesium	27.6	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 14:59	7439-95-4	

6020 MET ICPMS

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

Antimony	0.0017J	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 18:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 18:38	7440-38-2	
Barium	0.067	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 18:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 18:38	7440-41-7	
Boron	0.045	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 18:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 18:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 18:38	7440-47-3	
Cobalt	0.00066J	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 18:38	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 18:38	7439-92-1	
Lithium	0.0019J	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 18:38	7439-93-2	
Molybdenum	0.0067J	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 18:38	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 18:38	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 18:38	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:36	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	659	mg/L	25.0	25.0	1		01/30/23 19:55		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	273	mg/L	5.0	5.0	1		02/01/23 13:50		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 13:50		
Alkalinity, Total as CaCO3	273	mg/L	5.0	5.0	1		02/01/23 13:50		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-50D **Lab ID: 92649235017** Collected: 01/25/23 15:35 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	27.6	mg/L	1.0	0.60	1		02/01/23 09:00	16887-00-6	
Fluoride	0.16	mg/L	0.10	0.050	1		02/01/23 09:00	16984-48-8	
Sulfate	268	mg/L	5.0	2.5	5		02/01/23 19:54	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FB-02 **Lab ID: 92649235018** Collected: 01/25/23 15:48 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 15:04	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 15:04	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 15:04	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 15:04	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 15:04	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 15:04	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 18:44	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 18:44	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 18:44	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 18:44	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 18:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 18:44	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 18:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 18:44	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 18:44	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 18:44	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 18:44	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 18:44	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 18:44	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:39	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		01/30/23 19:55		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		01/31/23 19:35		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		01/31/23 19:35		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		01/31/23 19:35		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/01/23 09:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/01/23 09:18	16984-48-8	
Sulfate	0.57J	mg/L	1.0	0.50	1		02/01/23 09:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FB-01 **Lab ID: 92649235019** Collected: 01/24/23 15:50 Received: 01/27/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 15:09	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 15:09	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 15:09	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 15:09	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 15:09	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 15:09	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 19:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:02	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 19:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 19:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 19:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 19:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 19:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 19:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 19:02	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:02	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 19:02	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 19:02	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 19:02	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:42	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	192	mg/L	25.0	25.0	1		01/30/23 19:54		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		01/31/23 15:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		01/31/23 15:02		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		01/31/23 15:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/01/23 10:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/01/23 10:45	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/01/23 10:45	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
Pace Project No.: 92649235

Sample: BOW-AP1-FB-03 Lab ID: 92649235020 Collected: 01/26/23 15:48 Received: 01/27/23 12:10 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Manganese	ND	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 16:15	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 16:15	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 16:15	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 16:15	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 16:15	7439-95-4	
Iron	0.026J	mg/L	0.040	0.025	1	01/31/23 17:12	02/06/23 12:43	7439-89-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 19:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:08	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 19:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 19:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 19:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 19:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 19:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 19:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 19:08	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:08	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 19:08	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 19:08	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 19:08	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:44	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		01/31/23 12:43		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/01/23 15:07		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/01/23 15:07		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/01/23 15:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/01/23 11:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/01/23 11:02	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/01/23 11:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-10 **Lab ID: 92649235021** Collected: 01/27/23 10:00 Received: 01/31/23 14:30 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CLIENT				1		03/15/23 10:13		
Collected By	MD				1		03/15/23 10:13		
Collected Date	012723				1		03/15/23 10:13		
Collected Time	10:00				1		03/15/23 10:13		
pH	7.02	Std. Units			1		03/15/23 10:13		

6010D ATL ICP

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

Iron	0.26	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 13:33	7439-89-6	
Manganese	0.035J	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 13:33	7439-96-5	
Potassium	2.1	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 13:33	7440-09-7	
Sodium	17.3	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 13:33	7440-23-5	M1
Calcium	64.0	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 13:33	7440-70-2	M1
Magnesium	28.1	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 13:33	7439-95-4	M1

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 19:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:14	7440-38-2	
Barium	0.040	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 19:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 19:14	7440-41-7	
Boron	0.53	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 19:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 19:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 19:14	7440-47-3	
Cobalt	0.00051J	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 19:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 19:14	7439-92-1	
Lithium	0.00082J	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:14	7439-93-2	
Molybdenum	0.0025J	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 19:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 19:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 19:14	7440-28-0	

7470 Mercury

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

Mercury	0.00018J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:52	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	380	mg/L	25.0	25.0	1		02/02/23 19:18		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	178	mg/L	5.0	5.0	1		02/03/23 19:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 19:12		
Alkalinity, Total as CaCO3	178	mg/L	5.0	5.0	1		02/03/23 19:12		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-10 **Lab ID: 92649235021** Collected: 01/27/23 10:00 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	28.2	mg/L	1.0	0.60	1		02/03/23 22:08	16887-00-6	
Fluoride	0.058J	mg/L	0.10	0.050	1		02/03/23 22:08	16984-48-8	
Sulfate	97.3	mg/L	2.0	1.0	2		02/04/23 02:25	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-19 **Lab ID: 92649235022** Collected: 01/27/23 10:20 Received: 01/31/23 14:30 Matrix: Water

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

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CLIENT				1		03/15/23 10:21		
Collected By	WL				1		03/15/23 10:21		
Collected Date	0127/23				1		03/15/23 10:21		
Collected Time	10:20				1		03/15/23 10:21		
pH	6.61	Std. Units			1		03/15/23 10:21		

6010D ATL ICP

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

Iron	0.14	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 13:52	7439-89-6	
Manganese	0.0056J	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 13:52	7439-96-5	
Potassium	2.3	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 13:52	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 13:52	7440-23-5	
Calcium	39.3	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 13:52	7440-70-2	
Magnesium	15.3	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 13:52	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 19:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:20	7440-38-2	
Barium	0.023	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 19:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 19:20	7440-41-7	
Boron	0.18	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 19:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 19:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 19:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 19:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 19:20	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:20	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 19:20	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 19:20	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 19:20	7440-28-0	

7470 Mercury

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

Mercury	0.00018J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:08	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	200	mg/L	25.0	25.0	1		02/02/23 19:18		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	5.0	1		02/03/23 19:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 19:23		
Alkalinity, Total as CaCO3	132	mg/L	5.0	5.0	1		02/03/23 19:23		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWC-19** Lab ID: **92649235022** Collected: 01/27/23 10:20 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		02/03/23 23:26	16887-00-6	
Fluoride	0.077J	mg/L	0.10	0.050	1		02/03/23 23:26	16984-48-8	
Sulfate	38.2	mg/L	1.0	0.50	1		02/03/23 23:26	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-21 **Lab ID: 92649235023** Collected: 01/27/23 13:18 Received: 01/31/23 14:30 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CLIENT				1		03/15/23 10:21		
Collected By	WL				1		03/15/23 10:21		
Collected Date	01/27/23				1		03/15/23 10:21		
Collected Time	13:18				1		03/15/23 10:21		
pH	7.76	Std. Units			1		03/15/23 10:21		

6010D ATL ICP

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

Iron	0.12	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 13:57	7439-89-6	
Manganese	0.0068J	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 13:57	7439-96-5	
Potassium	1.5	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 13:57	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 13:57	7440-23-5	
Calcium	46.5	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 13:57	7440-70-2	
Magnesium	26.4	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 13:57	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 19:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:26	7440-38-2	
Barium	0.021	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 19:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 19:26	7440-41-7	
Boron	0.026J	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 19:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 19:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 19:26	7440-47-3	
Cobalt	0.0021J	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 19:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 19:26	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:26	7439-93-2	
Molybdenum	0.0030J	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 19:26	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 19:26	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 19:26	7440-28-0	

7470 Mercury

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

Mercury	0.00021	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:10	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	342	mg/L	25.0	25.0	1		02/02/23 19:18		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	172	mg/L	5.0	5.0	1		02/03/23 19:33		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 19:33		
Alkalinity, Total as CaCO3	172	mg/L	5.0	5.0	1		02/03/23 19:33		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-21 **Lab ID: 92649235023** Collected: 01/27/23 13:18 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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300.0 IC Anions 28 Days

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

Chloride	6.1	mg/L	1.0	0.60	1		02/03/23 23:52	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/03/23 23:52	16984-48-8	
Sulfate	55.3	mg/L	1.0	0.50	1		02/03/23 23:52	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-25 **Lab ID: 92649235024** Collected: 01/27/23 13:30 Received: 01/31/23 14:30 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CLIENT				1		03/15/23 10:22		
Collected By	MD				1		03/15/23 10:22		
Collected Date	01/27/23				1		03/15/23 10:22		
Collected Time	13:30				1		03/15/23 10:22		
pH	7.14	Std. Units			1		03/15/23 10:22		

6010D ATL ICP

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

Iron	0.44	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:21	7439-89-6	
Manganese	0.24	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:21	7439-96-5	
Potassium	0.80	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:21	7440-09-7	
Sodium	4.7	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:21	7440-23-5	
Calcium	48.8	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 14:21	7440-70-2	
Magnesium	23.2	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:21	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 19:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:32	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 19:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 19:32	7440-41-7	
Boron	0.029J	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 19:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 19:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 19:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 19:32	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 19:32	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:32	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 19:32	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 19:32	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 19:32	7440-28-0	

7470 Mercury

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

Mercury	0.00015J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:13	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	310	mg/L	25.0	25.0	1		02/02/23 19:18		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	242	mg/L	5.0	5.0	1		02/04/23 08:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/04/23 08:43		
Alkalinity, Total as CaCO3	242	mg/L	5.0	5.0	1		02/04/23 08:43		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-25 **Lab ID: 92649235024** Collected: 01/27/23 13:30 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.4	mg/L	1.0	0.60	1		02/03/23 18:36	16887-00-6	
Fluoride	0.053J	mg/L	0.10	0.050	1		02/03/23 18:36	16984-48-8	
Sulfate	24.1	mg/L	1.0	0.50	1		02/03/23 18:36	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-31 **Lab ID: 92649235025** Collected: 01/27/23 11:20 Received: 01/31/23 14:30 Matrix: Water

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

Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CLIENT				1		03/15/23 10:24		
Collected By	MD				1		03/15/23 10:24		
Collected Date	01/27/23				1		03/15/23 10:24		
Collected Time	11:20				1		03/15/23 10:24		
pH	6.80	Std. Units			1		03/15/23 10:24		

6010D ATL ICP

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

Iron	1.9	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:26	7439-89-6	
Manganese	0.15	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:26	7439-96-5	
Potassium	1.4	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:26	7440-09-7	
Sodium	7.8	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:26	7440-23-5	
Calcium	75.9	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 14:26	7440-70-2	
Magnesium	36.4	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:26	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 19:38	7440-36-0	
Arsenic	0.0035J	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:38	7440-38-2	
Barium	0.042	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 19:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 19:38	7440-41-7	
Boron	0.74	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 19:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 19:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 19:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 19:38	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 19:38	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:38	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 19:38	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 19:38	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 19:38	7440-28-0	

7470 Mercury

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

Mercury	0.00014J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:16	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	433	mg/L	25.0	25.0	1		02/02/23 19:18		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	219	mg/L	5.0	5.0	1		02/04/23 08:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/04/23 08:53		
Alkalinity, Total as CaCO3	219	mg/L	5.0	5.0	1		02/04/23 08:53		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-31 Lab ID: 92649235025 Collected: 01/27/23 11:20 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	30.0	mg/L	1.0	0.60	1		02/03/23 18:51	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/03/23 18:51	16984-48-8	
Sulfate	126	mg/L	2.0	1.0	2		02/04/23 07:47	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FB-04 **Lab ID: 92649235026** Collected: 01/27/23 11:10 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:31	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:31	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:31	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:31	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 14:31	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:31	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 19:44	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:44	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 19:44	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 19:44	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 19:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 19:44	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 19:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 19:44	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 19:44	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:44	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 19:44	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 19:44	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 19:44	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00014J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:18	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	85.0	mg/L	25.0	25.0	1		02/02/23 19:19		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 20:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 20:03		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/03/23 20:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/03/23 19:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/03/23 19:06	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/03/23 19:06	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-20 **Lab ID: 92649235027** Collected: 01/30/23 11:07 Received: 01/31/23 14:30 Matrix: Water

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

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CLIENT				1		03/15/23 10:24		
Collected By	WL				1		03/15/23 10:24		
Collected Date	01/30/23				1		03/15/23 10:24		
Collected Time	11:07				1		03/15/23 10:24		
pH	7.18	Std. Units			1		03/15/23 10:24		

6010D ATL ICP

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

Calcium	309	mg/L	5.0	0.61	5	02/22/23 17:23	02/24/23 14:11	7440-70-2	
Iron	0.18	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:36	7439-89-6	
Manganese	0.77	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:36	7439-96-5	
Potassium	8.4	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:36	7440-09-7	
Sodium	31.4	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:36	7440-23-5	
Magnesium	46.3	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:36	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 19:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:50	7440-38-2	
Barium	0.036	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 19:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 19:50	7440-41-7	
Boron	4.7	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 19:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 19:50	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 19:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 19:50	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 19:50	7439-92-1	
Lithium	0.059	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:50	7439-93-2	
Molybdenum	0.035	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 19:50	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 19:50	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 19:50	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:21	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	1280	mg/L	25.0	25.0	1		02/02/23 20:25		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	104	mg/L	5.0	5.0	1		02/03/23 20:17		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 20:17		
Alkalinity, Total as CaCO3	104	mg/L	5.0	5.0	1		02/03/23 20:17		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-20 **Lab ID: 92649235027** Collected: 01/30/23 11:07 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	156	mg/L	13.0	7.8	13		02/04/23 08:02	16887-00-6	
Fluoride	0.064J	mg/L	0.10	0.050	1		02/03/23 19:21	16984-48-8	
Sulfate	622	mg/L	13.0	6.5	13		02/04/23 08:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-34D **Lab ID: 92649235028** Collected: 01/30/23 13:35 Received: 01/31/23 14:30 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CLIENT				1		03/15/23 10:26		
Collected By	WL				1		03/15/23 10:26		
Collected Date	1/30/23				1		03/15/23 10:26		
Collected Time	13:35				1		03/15/23 10:26		
pH	7.15	Std. Units			1		03/15/23 10:26		

6010D ATL ICP

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

Iron	1.3	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:41	7439-89-6	
Manganese	0.017J	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:41	7439-96-5	
Potassium	1.8	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:41	7440-09-7	
Sodium	6.5	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:41	7440-23-5	
Calcium	121	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 14:41	7440-70-2	
Magnesium	32.7	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:41	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 19:56	7440-36-0	
Arsenic	0.014	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:56	7440-38-2	
Barium	0.055	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 19:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 19:56	7440-41-7	
Boron	0.45	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 19:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 19:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 19:56	7440-47-3	
Cobalt	0.0014J	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 19:56	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 19:56	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:56	7439-93-2	
Molybdenum	0.0011J	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 19:56	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 19:56	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 19:56	7440-28-0	

7470 Mercury

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

Mercury	0.00016J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:23	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	593	mg/L	25.0	25.0	1		02/02/23 20:26		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	246	mg/L	5.0	5.0	1		02/04/23 09:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/04/23 09:02		
Alkalinity, Total as CaCO3	246	mg/L	5.0	5.0	1		02/04/23 09:02		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWC-34D** Lab ID: **92649235028** Collected: 01/30/23 13:35 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	45.7	mg/L	1.0	0.60	1		02/03/23 20:05	16887-00-6	
Fluoride	0.060J	mg/L	0.10	0.050	1		02/03/23 20:05	16984-48-8	
Sulfate	163	mg/L	3.0	1.5	3		02/04/23 08:46	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-35D **Lab ID: 92649235029** Collected: 01/30/23 10:35 Received: 01/31/23 14:30 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CLIENT				1		03/15/23 10:27		
Collected By	MD				1		03/15/23 10:27		
Collected Date	01/30/23				1		03/15/23 10:27		
Collected Time	10:35				1		03/15/23 10:27		
pH	6.75	Std. Units			1		03/15/23 10:27		

6010D ATL ICP

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

Iron	0.71	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:46	7439-89-6
Manganese	0.70	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:46	7439-96-5
Potassium	10.1	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:46	7440-09-7
Sodium	42.1	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:46	7440-23-5
Magnesium	116	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:46	7439-95-4
Calcium	607	mg/L	5.0	0.61	5	02/22/23 17:23	02/24/23 14:15	7440-70-2

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 20:14	7440-36-0
Arsenic	0.0050J	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 20:14	7440-38-2
Barium	0.059	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 20:14	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 20:14	7440-41-7
Boron	13.8	mg/L	0.40	0.086	10	02/27/23 12:04	02/28/23 13:28	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 20:14	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 20:14	7440-47-3
Cobalt	0.0029J	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 20:14	7440-48-4
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 20:14	7439-92-1
Lithium	0.021J	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 20:14	7439-93-2
Molybdenum	0.035	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 20:14	7439-98-7
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 20:14	7782-49-2
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 20:14	7440-28-0

7470 Mercury

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

Mercury	0.00014J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:26	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	2720	mg/L	50.0	50.0	1		02/02/23 20:26	
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	120	mg/L	5.0	5.0	1		02/03/23 20:34	
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 20:34	
Alkalinity, Total as CaCO3	120	mg/L	5.0	5.0	1		02/03/23 20:34	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-35D Lab ID: 92649235029 Collected: 01/30/23 10:35 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	851	mg/L	17.0	10.2	17		02/04/23 09:01	16887-00-6	
Fluoride	0.17	mg/L	0.10	0.050	1		02/03/23 20:20	16984-48-8	
Sulfate	687	mg/L	17.0	8.5	17		02/04/23 09:01	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-37D **Lab ID: 92649235030** Collected: 01/30/23 12:35 Received: 01/31/23 14:30 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CLIENT				1		03/15/23 10:29		
Collected By	MD				1		03/15/23 10:29		
Collected Date	01/30/23				1		03/15/23 10:29		
Collected Time	12:35				1		03/15/23 10:29		
pH	7.21	Std. Units			1		03/15/23 10:29		

6010D ATL ICP

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

Iron	0.58	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:51	7439-89-6	
Manganese	0.031J	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:51	7439-96-5	
Potassium	1.9	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:51	7440-09-7	
Sodium	11.1	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:51	7440-23-5	
Calcium	112	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 14:51	7440-70-2	
Magnesium	46.6	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:51	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 20:20	7440-36-0	
Arsenic	0.0074	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 20:20	7440-38-2	
Barium	0.087	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 20:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 20:20	7440-41-7	
Boron	1.4	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 20:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 20:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 20:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 20:20	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 20:20	7439-92-1	
Lithium	0.0025J	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 20:20	7439-93-2	
Molybdenum	0.014	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 20:20	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 20:20	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 20:20	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:29	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	720	mg/L	25.0	25.0	1		02/02/23 20:26		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	169	mg/L	5.0	5.0	1		02/03/23 20:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 20:44		
Alkalinity, Total as CaCO3	169	mg/L	5.0	5.0	1		02/03/23 20:44		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWC-37D** Lab ID: **92649235030** Collected: 01/30/23 12:35 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	152	mg/L	3.0	1.8	3		02/04/23 09:15	16887-00-6	
Fluoride	0.16	mg/L	0.10	0.050	1		02/03/23 20:35	16984-48-8	
Sulfate	136	mg/L	3.0	1.5	3		02/04/23 09:15	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-42D **Lab ID: 92649235031** Collected: 01/30/23 14:35 Received: 01/31/23 14:30 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CLIENT				1		03/15/23 10:30		
Collected By	MD				1		03/15/23 10:30		
Collected Date	01/30/23				1		03/15/23 10:30		
Collected Time	14:35				1		03/15/23 10:30		
pH	7.04	Std. Units			1		03/15/23 10:30		

6010D ATL ICP

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

Iron	0.27	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:55	7439-89-6	
Manganese	0.080	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:55	7439-96-5	
Potassium	2.9	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:55	7440-09-7	
Sodium	98.2	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:55	7440-23-5	
Calcium	92.5	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 14:55	7440-70-2	
Magnesium	34.2	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:55	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 12:04	02/27/23 20:26	7440-36-0	
Arsenic	0.0088	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 20:26	7440-38-2	
Barium	0.13	mg/L	0.0050	0.00067	1	02/27/23 12:04	02/27/23 20:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 12:04	02/27/23 20:26	7440-41-7	
Boron	1.7	mg/L	0.040	0.0086	1	02/27/23 12:04	02/27/23 20:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 12:04	02/27/23 20:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 12:04	02/27/23 20:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 12:04	02/27/23 20:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 12:04	02/27/23 20:26	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 20:26	7439-93-2	
Molybdenum	0.0033J	mg/L	0.010	0.00074	1	02/27/23 12:04	02/27/23 20:26	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 12:04	02/27/23 20:26	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 12:04	02/27/23 20:26	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:37	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	658	mg/L	25.0	25.0	1		02/02/23 20:26		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	318	mg/L	5.0	5.0	1		02/04/23 09:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/04/23 09:10		
Alkalinity, Total as CaCO3	318	mg/L	5.0	5.0	1		02/04/23 09:10		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWC-42D** Lab ID: **92649235031** Collected: 01/30/23 14:35 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	122	mg/L	2.0	1.2	2		02/04/23 09:30	16887-00-6	
Fluoride	0.64	mg/L	0.10	0.050	1		02/03/23 21:35	16984-48-8	
Sulfate	121	mg/L	2.0	1.0	2		02/04/23 09:30	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FD-03		Lab ID: 92649235032		Collected: 01/30/23 00:00		Received: 01/31/23 14:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.58	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:00	7439-89-6	
Manganese	0.031J	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:00	7439-96-5	
Potassium	1.7	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:00	7440-09-7	
Sodium	11.2	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:00	7440-23-5	
Calcium	115	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 15:00	7440-70-2	
Magnesium	47.6	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:00	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 13:58	7440-36-0	
Arsenic	0.0080	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 13:58	7440-38-2	
Barium	0.084	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 13:58	7440-39-3	
Beryllium	0.000060J	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 13:58	7440-41-7	
Boron	1.3	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 13:58	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 13:58	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 13:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 13:58	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 13:58	7439-92-1	
Lithium	0.0025J	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 13:58	7439-93-2	
Molybdenum	0.014	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 13:58	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 13:58	7782-49-2	
Thallium	0.00023J	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 13:58	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:39	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	691	mg/L	25.0	25.0	1		02/02/23 20:26		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	169	mg/L	5.0	5.0	1		02/03/23 21:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 21:02		
Alkalinity, Total as CaCO3	169	mg/L	5.0	5.0	1		02/03/23 21:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	151	mg/L	3.0	1.8	3		02/04/23 10:30	16887-00-6	
Fluoride	0.16	mg/L	0.10	0.050	1		02/03/23 21:50	16984-48-8	
Sulfate	135	mg/L	3.0	1.5	3		02/04/23 10:30	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FB-05 **Lab ID: 92649235033** Collected: 01/30/23 15:45 Received: 01/31/23 14:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.034J	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:05	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:05	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:05	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:05	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 15:05	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:05	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0016J	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 14:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 14:21	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 14:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 14:21	7440-41-7	
Boron	0.013J	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 14:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 14:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 14:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 14:21	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 14:21	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 14:21	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 14:21	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 14:21	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 14:21	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:42	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	59.0	mg/L	25.0	25.0	1		02/02/23 20:26		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 21:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/03/23 21:14		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/03/23 21:14		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/03/23 22:05	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/03/23 22:05	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/03/23 22:05	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-32 **Lab ID: 92649235034** Collected: 01/31/23 12:22 Received: 02/02/23 08:40 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:44		
Collected By	WL				1		02/13/23 17:44		
Collected Date	1/31/23				1		02/13/23 17:44		
Collected Time	12:22				1		02/13/23 17:44		
pH	7.18	Std. Units			1		02/13/23 17:44		

6010D ATL ICP

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

Iron	0.071	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:20	7439-89-6	
Manganese	0.15	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:20	7439-96-5	
Potassium	4.0	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:20	7440-09-7	
Sodium	18.1	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:20	7440-23-5	
Magnesium	69.0	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:20	7439-95-4	
Calcium	256	mg/L	5.0	0.61	5	02/22/23 17:23	02/24/23 14:20	7440-70-2	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 14:27	7440-36-0	
Arsenic	0.0040J	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 14:27	7440-38-2	
Barium	0.10	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 14:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 14:27	7440-41-7	
Boron	4.2	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 14:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 14:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 14:27	7440-47-3	
Cobalt	0.0029J	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 14:27	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 14:27	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 14:27	7439-93-2	
Molybdenum	0.0039J	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 14:27	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 14:27	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 14:27	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:44	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	1240	mg/L	25.0	25.0	1		02/06/23 17:52		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	186	mg/L	5.0	5.0	1		02/04/23 18:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/04/23 18:40		
Alkalinity, Total as CaCO3	186	mg/L	5.0	5.0	1		02/04/23 18:40		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-32 **Lab ID: 92649235034** Collected: 01/31/23 12:22 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	298	mg/L	6.0	3.6	6		02/07/23 16:49	16887-00-6	
Fluoride	0.13	mg/L	0.10	0.050	1		02/06/23 20:22	16984-48-8	
Sulfate	300	mg/L	6.0	3.0	6		02/07/23 16:49	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-40 **Lab ID: 92649235035** Collected: 01/31/23 10:40 Received: 02/02/23 08:40 Matrix: Water

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

Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:45		
Collected By	MD				1		02/13/23 17:45		
Collected Date	1/31/23				1		02/13/23 17:45		
Collected Time	10:40				1		02/13/23 17:45		
pH	6.86	Std. Units			1		02/13/23 17:45		

6010D ATL ICP

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

Iron	0.092	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:25	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:25	7439-96-5	
Potassium	2.2	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:25	7440-09-7	
Sodium	8.1	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:25	7440-23-5	
Calcium	133	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 15:25	7440-70-2	
Magnesium	40.1	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:25	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 14:33	7440-36-0	
Arsenic	0.0022J	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 14:33	7440-38-2	
Barium	0.047	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 14:33	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 14:33	7440-41-7	
Boron	3.0	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 14:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 14:33	7440-43-9	
Chromium	0.0050J	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 14:33	7440-47-3	B
Cobalt	0.00046J	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 14:33	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 14:33	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 14:33	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 14:33	7439-98-7	
Selenium	0.0097	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 14:33	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 14:33	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:47	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	671	mg/L	25.0	25.0	1		02/06/23 17:52		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	214	mg/L	5.0	5.0	1		02/07/23 11:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/07/23 11:10		
Alkalinity, Total as CaCO3	214	mg/L	5.0	5.0	1		02/07/23 11:10		M1

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-40 **Lab ID: 92649235035** Collected: 01/31/23 10:40 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	123	mg/L	3.0	1.8	3		02/07/23 17:07	16887-00-6	
Fluoride	0.084J	mg/L	0.10	0.050	1		02/06/23 20:41	16984-48-8	
Sulfate	128	mg/L	3.0	1.5	3		02/07/23 17:07	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-51 **Lab ID: 92649235036** Collected: 01/31/23 13:00 Received: 02/02/23 08:40 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1	02/13/23 17:46			
Collected By	MD				1	02/13/23 17:46			
Collected Date	1/31/23				1	02/13/23 17:46			
Collected Time	13:00				1	02/13/23 17:46			
pH	6.87	Std. Units			1	02/13/23 17:46			

6010D ATL ICP

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

Iron	0.14	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:29	7439-89-6	
Manganese	0.0091J	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:29	7439-96-5	
Potassium	5.4	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:29	7440-09-7	
Sodium	10.5	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:29	7440-23-5	
Calcium	111	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 15:29	7440-70-2	
Magnesium	24.7	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:29	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 14:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 14:39	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 14:39	7440-39-3	
Beryllium	0.000072J	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 14:39	7440-41-7	
Boron	2.4	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 14:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 14:39	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 14:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 14:39	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 14:39	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 14:39	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 14:39	7439-98-7	
Selenium	0.0058	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 14:39	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 14:39	7440-28-0	

7470 Mercury

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

Mercury	0.00021	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:50	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	664	mg/L	25.0	25.0	1	02/06/23 17:52			
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	160	mg/L	5.0	5.0	1	02/04/23 19:18			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1	02/04/23 19:18			
Alkalinity, Total as CaCO3	160	mg/L	5.0	5.0	1	02/04/23 19:18			M1

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-51 Lab ID: 92649235036 Collected: 01/31/23 13:00 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	85.6	mg/L	1.0	0.60	1		02/06/23 21:00	16887-00-6	
Fluoride	0.15	mg/L	0.10	0.050	1		02/06/23 21:00	16984-48-8	
Sulfate	135	mg/L	3.0	1.5	3		02/07/23 17:26	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-52 **Lab ID: 92649235037** Collected: 01/31/23 15:00 Received: 02/02/23 08:40 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:47		
Collected By	MD				1		02/13/23 17:47		
Collected Date	1/31/23				1		02/13/23 17:47		
Collected Time	15:00				1		02/13/23 17:47		
pH	7.56	Std. Units			1		02/13/23 17:47		

6010D ATL ICP

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

Iron	0.26	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:34	7439-89-6	
Manganese	0.34	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:34	7439-96-5	
Potassium	2.8	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:34	7440-09-7	
Sodium	8.9	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:34	7440-23-5	
Calcium	62.8	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 15:34	7440-70-2	
Magnesium	13.5	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:34	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:05	7440-38-2	
Barium	0.032	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:05	7440-41-7	
Boron	1.1	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 15:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:05	7440-43-9	
Chromium	0.0016J	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:05	7440-47-3	B
Cobalt	0.0045J	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:05	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:05	7439-92-1	
Lithium	0.0011J	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:05	7439-93-2	
Molybdenum	0.0087J	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:05	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:05	7782-49-2	
Thallium	0.00020J	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:05	7440-28-0	

7470 Mercury

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

Mercury	0.00018J	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:52	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	286	mg/L	25.0	25.0	1		02/06/23 17:52		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	5.0	1		02/04/23 20:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/04/23 20:13		
Alkalinity, Total as CaCO3	103	mg/L	5.0	5.0	1		02/04/23 20:13		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-52 Lab ID: 92649235037 Collected: 01/31/23 15:00 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	41.5	mg/L	1.0	0.60	1		02/06/23 21:19	16887-00-6	
Fluoride	0.14	mg/L	0.10	0.050	1		02/06/23 21:19	16984-48-8	
Sulfate	77.2	mg/L	1.0	0.50	1		02/06/23 21:19	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-AP1-EB-01 **Lab ID: 92649235038** Collected: 01/31/23 13:55 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:39	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:39	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:39	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:39	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 15:39	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:39	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:11	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 15:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:11	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:11	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:11	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:11	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:11	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:11	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:55	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	48.0	mg/L	25.0	25.0	1		02/06/23 17:53		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/04/23 20:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/04/23 20:22		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/04/23 20:22		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/06/23 21:37	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/23 21:37	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/06/23 21:37	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FB-06 **Lab ID: 92649235039** Collected: 01/31/23 13:40 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:44	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:44	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:44	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:44	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 15:44	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:44	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:16	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:16	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:16	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:16	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 15:16	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:16	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:16	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:16	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:16	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:16	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:16	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:16	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:58	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/06/23 17:53		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/04/23 20:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/04/23 20:26		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/04/23 20:26		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/06/23 22:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/23 22:34	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/06/23 22:34	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-24 **Lab ID: 92649235040** Collected: 02/01/23 14:43 Received: 02/02/23 08:40 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:48		
Collected By	WL				1		02/13/23 17:48		
Collected Date	2/1/23				1		02/13/23 17:48		
Collected Time	14:43				1		02/13/23 17:48		
pH	6.68	Std. Units			1		02/13/23 17:48		

6010D ATL ICP

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

Iron	ND	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:49	7439-89-6	
Manganese	2.4	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:49	7439-96-5	
Potassium	7.4	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:49	7440-09-7	
Sodium	13.1	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:49	7440-23-5	
Magnesium	75.5	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:49	7439-95-4	
Calcium	552	mg/L	5.0	0.61	5	02/22/23 17:23	02/24/23 14:45	7440-70-2	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:22	7440-36-0	
Arsenic	0.0042J	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:22	7440-38-2	
Barium	0.052	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:22	7440-39-3	
Beryllium	0.00031J	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:22	7440-41-7	
Boron	18.4	mg/L	0.40	0.086	10	02/27/23 17:09	02/28/23 17:33	7440-42-8	
Cadmium	0.0032	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:22	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:22	7440-47-3	
Cobalt	0.0024J	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:22	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:22	7439-92-1	
Lithium	0.0063J	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:22	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:22	7439-98-7	
Selenium	0.0060	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:22	7782-49-2	
Thallium	0.00035J	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:22	7440-28-0	

7470 Mercury

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

Mercury	0.00059	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 11:00	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	2550	mg/L	50.0	50.0	1		02/08/23 18:56		D6
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	146	mg/L	5.0	5.0	1		02/07/23 17:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/07/23 17:19		
Alkalinity, Total as CaCO3	146	mg/L	5.0	5.0	1		02/07/23 17:19		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-24 **Lab ID: 92649235040** Collected: 02/01/23 14:43 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	789	mg/L	16.0	9.6	16		02/07/23 17:45	16887-00-6	
Fluoride	0.18	mg/L	0.10	0.050	1		02/06/23 23:31	16984-48-8	
Sulfate	395	mg/L	16.0	8.0	16		02/07/23 17:45	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-30 **Lab ID: 92649235041** Collected: 02/01/23 15:30 Received: 02/02/23 08:40 Matrix: Water

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

Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1	02/13/23 17:49			
Collected By	MD				1	02/13/23 17:49			
Collected Date	2/1/23				1	02/13/23 17:49			
Collected Time	15:30				1	02/13/23 17:49			
pH	7.15	Std. Units			1	02/13/23 17:49			

6010D ATL ICP

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

Iron	0.16	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 16:19	7439-89-6	
Manganese	0.0090J	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 16:19	7439-96-5	
Potassium	2.8	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 16:19	7440-09-7	
Sodium	5.8	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 16:19	7440-23-5	
Calcium	113	mg/L	1.0	0.12	1	02/23/23 10:34	02/23/23 16:19	7440-70-2	M1
Magnesium	36.0	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 16:19	7439-95-4	M1

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:28	7440-36-0	
Arsenic	0.0024J	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:28	7440-38-2	
Barium	0.062	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:28	7440-41-7	
Boron	3.2	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 15:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:28	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:28	7440-47-3	B
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:28	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:28	7439-92-1	
Lithium	0.0018J	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:28	7439-93-2	
Molybdenum	0.0058J	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:28	7439-98-7	
Selenium	0.010	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:28	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:28	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 09:00	03/02/23 12:25	7439-97-6	H1,H2
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	745	mg/L	25.0	25.0	1	02/06/23 13:43			
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	5.0	1	02/07/23 17:30			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1	02/07/23 17:30			
Alkalinity, Total as CaCO3	161	mg/L	5.0	5.0	1	02/07/23 17:30			

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-30 **Lab ID: 92649235041** Collected: 02/01/23 15:30 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	154	mg/L	3.0	1.8	3		02/07/23 18:04	16887-00-6	
Fluoride	0.092J	mg/L	0.10	0.050	1		02/06/23 23:50	16984-48-8	
Sulfate	75.5	mg/L	1.0	0.50	1		02/06/23 23:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-36D **Lab ID: 92649235042** Collected: 02/01/23 13:50 Received: 02/02/23 08:40 Matrix: Water

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

Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1	02/13/23 17:50			
Collected By	MD				1	02/13/23 17:50			
Collected Date	2/1/23				1	02/13/23 17:50			
Collected Time	13:50				1	02/13/23 17:50			
pH	6.64	Std. Units			1	02/13/23 17:50			

6010D ATL ICP

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

Iron	ND	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 16:38	7439-89-6	
Manganese	0.024J	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 16:38	7439-96-5	
Potassium	3.4	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 16:38	7440-09-7	
Sodium	14.9	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 16:38	7440-23-5	
Calcium	132	mg/L	1.0	0.12	1	02/23/23 10:34	02/23/23 16:38	7440-70-2	
Magnesium	44.0	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 16:38	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:34	7440-36-0	
Arsenic	0.0032J	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:34	7440-38-2	
Barium	0.058	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:34	7440-41-7	
Boron	3.8	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 15:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:34	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:34	7439-92-1	
Lithium	0.0013J	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:34	7439-93-2	
Molybdenum	0.0083J	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:34	7439-98-7	
Selenium	0.0098	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:34	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:34	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 09:00	03/02/23 12:37	7439-97-6	H1,H2
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	948	mg/L	25.0	25.0	1	02/06/23 13:44			
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	113	mg/L	5.0	5.0	1	02/07/23 17:41			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1	02/07/23 17:41			
Alkalinity, Total as CaCO3	113	mg/L	5.0	5.0	1	02/07/23 17:41			

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-36D **Lab ID: 92649235042** Collected: 02/01/23 13:50 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	240	mg/L	5.0	3.0	5		02/07/23 19:00	16887-00-6	
Fluoride	0.13	mg/L	0.10	0.050	1		02/07/23 00:09	16984-48-8	
Sulfate	118	mg/L	5.0	2.5	5		02/07/23 19:00	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-41D **Lab ID: 92649235043** Collected: 02/01/23 10:13 Received: 02/02/23 08:40 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1	02/13/23 17:50			
Collected By	WL				1	02/13/23 17:50			
Collected Date	2/1/23				1	02/13/23 17:50			
Collected Time	10:13				1	02/13/23 17:50			
pH	7.05	Std. Units			1	02/13/23 17:50			

6010D ATL ICP

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

Calcium	228	mg/L	5.0	0.61	5	02/23/23 10:34	02/24/23 13:35	7440-70-2	
Iron	0.99	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 16:43	7439-89-6	
Manganese	0.038J	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 16:43	7439-96-5	
Potassium	1.2	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 16:43	7440-09-7	
Sodium	29.9	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 16:43	7440-23-5	
Magnesium	95.6	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 16:43	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:40	7440-36-0	
Arsenic	0.0084	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:40	7440-38-2	
Barium	0.071	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:40	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:40	7440-41-7	
Boron	1.5	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 15:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:40	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:40	7440-47-3	
Cobalt	0.00067J	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:40	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:40	7439-92-1	
Lithium	0.0019J	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:40	7439-93-2	
Molybdenum	0.0092J	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:40	7439-98-7	
Selenium	0.0016J	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:40	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:40	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 09:00	03/02/23 12:40	7439-97-6	H1,H2
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	1500	mg/L	25.0	25.0	1	02/06/23 13:44			
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	118	mg/L	5.0	5.0	1	02/07/23 17:50			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1	02/07/23 17:50			
Alkalinity, Total as CaCO3	118	mg/L	5.0	5.0	1	02/07/23 17:50			

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-41D **Lab ID: 92649235043** Collected: 02/01/23 10:13 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	393	mg/L	8.0	4.8	8		02/07/23 19:19	16887-00-6	
Fluoride	0.084J	mg/L	0.10	0.050	1		02/07/23 00:28	16984-48-8	
Sulfate	345	mg/L	8.0	4.0	8		02/07/23 19:19	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-49D **Lab ID: 92649235044** Collected: 02/01/23 11:55 Received: 02/02/23 08:40 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1	02/13/23 17:51			
Collected By	MD				1	02/13/23 17:51			
Collected Date	2/1/23				1	02/13/23 17:51			
Collected Time	11:15				1	02/13/23 17:51			
pH	7.17	Std. Units			1	02/13/23 17:51			

6010D ATL ICP

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

Calcium	236	mg/L	5.0	0.61	5	02/23/23 10:34	02/24/23 13:40	7440-70-2	
Iron	0.87	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 16:48	7439-89-6	
Manganese	0.29	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 16:48	7439-96-5	
Potassium	3.4	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 16:48	7440-09-7	
Sodium	33.4	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 16:48	7440-23-5	
Magnesium	92.3	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 16:48	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:46	7440-36-0	
Arsenic	0.0073	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:46	7440-38-2	
Barium	0.055	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:46	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:46	7440-41-7	
Boron	7.5	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 15:46	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:46	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:46	7440-47-3	
Cobalt	0.00089J	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:46	7439-92-1	
Lithium	0.0042J	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:46	7439-93-2	
Molybdenum	0.0072J	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:46	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:46	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:46	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 09:00	03/02/23 12:43	7439-97-6	H1,H2
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	1820	mg/L	25.0	25.0	1		02/06/23 13:44		D6
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	104	mg/L	5.0	5.0	1		02/07/23 17:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/07/23 17:59		
Alkalinity, Total as CaCO3	104	mg/L	5.0	5.0	1		02/07/23 17:59		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWC-49D** Lab ID: **92649235044** Collected: 02/01/23 11:55 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	468	mg/L	10.0	6.0	10		02/07/23 19:37	16887-00-6	
Fluoride	0.085J	mg/L	0.10	0.050	1		02/07/23 00:47	16984-48-8	
Sulfate	232	mg/L	10.0	5.0	10		02/07/23 19:37	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FD-04 **Lab ID: 92649235045** Collected: 02/01/23 00:00 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 16:52	7439-89-6	
Manganese	2.4	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 16:52	7439-96-5	
Potassium	7.2	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 16:52	7440-09-7	
Sodium	12.9	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 16:52	7440-23-5	
Magnesium	74.2	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 16:52	7439-95-4	
Calcium	545	mg/L	5.0	0.61	5	02/23/23 10:34	02/24/23 13:45	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:52	7440-36-0	
Arsenic	0.0054	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:52	7440-38-2	
Barium	0.052	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:52	7440-39-3	
Beryllium	0.00030J	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:52	7440-41-7	
Boron	18.3	mg/L	0.40	0.086	10	02/27/23 17:09	02/28/23 17:39	7440-42-8	
Cadmium	0.0030	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:52	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:52	7440-47-3	
Cobalt	0.0023J	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:52	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:52	7439-92-1	
Lithium	0.0063J	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:52	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:52	7439-98-7	
Selenium	0.0052	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:52	7782-49-2	
Thallium	0.00035J	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:52	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00053	mg/L	0.00020	0.00013	1	03/02/23 09:00	03/02/23 12:51	7439-97-6	H1,H2
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	2850	mg/L	50.0	50.0	1		02/08/23 18:57		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	5.0	1		02/07/23 18:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/07/23 18:08		
Alkalinity, Total as CaCO3	144	mg/L	5.0	5.0	1		02/07/23 18:08		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	795	mg/L	16.0	9.6	16		02/07/23 19:56	16887-00-6	
Fluoride	0.18	mg/L	0.10	0.050	1		02/07/23 01:06	16984-48-8	
Sulfate	399	mg/L	16.0	8.0	16		02/07/23 19:56	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-AP1-EB-02 **Lab ID: 92649235046** Collected: 02/01/23 16:15 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 16:57	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 16:57	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 16:57	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 16:57	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/23/23 10:34	02/23/23 16:57	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 16:57	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:58	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:58	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:58	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:58	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 17:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:58	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:58	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:58	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:58	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:58	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:58	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:58	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 09:00	03/02/23 12:53	7439-97-6	H1,H2
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	29.0	mg/L	25.0	25.0	1		02/06/23 13:45		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/07/23 18:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/07/23 18:28		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/07/23 18:28		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/07/23 01:25	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/23 01:25	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/07/23 01:25	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FB-07 **Lab ID: 92649235047** Collected: 02/01/23 16:05 Received: 02/02/23 08:40 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 17:02	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 17:02	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 17:02	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 17:02	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/23/23 10:34	02/23/23 17:02	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 17:02	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 16:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 16:30	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 16:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 16:30	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 16:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 16:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 16:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 16:30	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 16:30	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 16:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 16:30	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 16:30	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 16:30	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 09:00	03/02/23 12:56	7439-97-6	H1,H2
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	60.0	mg/L	25.0	25.0	1		02/06/23 13:46		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/07/23 18:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/07/23 18:32		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/07/23 18:32		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/07/23 03:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/23 03:23	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/07/23 03:23	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWA-33 **Lab ID: 92649235048** Collected: 02/02/23 09:55 Received: 02/07/23 11:50 Matrix: Water

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

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:53		
Collected By	MD				1		02/13/23 17:53		
Collected Date	2/2/23				1		02/13/23 17:53		
Collected Time	9:55				1		02/13/23 17:53		
pH	6.70	Std. Units			1		02/13/23 17:53		

6010D ATL ICP

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

Iron	2.2	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 17:17	7439-89-6	
Manganese	0.090	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 17:17	7439-96-5	
Potassium	3.7	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 17:17	7440-09-7	
Sodium	6.3	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 17:17	7440-23-5	
Calcium	81.4	mg/L	1.0	0.12	1	02/23/23 10:34	02/23/23 17:17	7440-70-2	
Magnesium	32.8	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 17:17	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 16:36	7440-36-0	
Arsenic	0.010	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 16:36	7440-38-2	
Barium	0.085	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 16:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 16:36	7440-41-7	
Boron	0.0092J	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 16:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 16:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 16:36	7440-47-3	
Cobalt	0.00051J	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 16:36	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 16:36	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 16:36	7439-93-2	
Molybdenum	0.0077J	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 16:36	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 16:36	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 16:36	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 09:00	03/02/23 12:58	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	368	mg/L	25.0	25.0	1		02/08/23 18:53		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	367	mg/L	5.0	5.0	1		02/10/23 18:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/10/23 18:32		
Alkalinity, Total as CaCO3	367	mg/L	5.0	5.0	1		02/10/23 18:32		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWA-33** Lab ID: **92649235048** Collected: 02/02/23 09:55 Received: 02/07/23 11:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.4	mg/L	1.0	0.60	1		02/09/23 17:02	16887-00-6	
Fluoride	0.077J	mg/L	0.10	0.050	1		02/09/23 17:02	16984-48-8	
Sulfate	7.3	mg/L	1.0	0.50	1		02/09/23 17:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-23 **Lab ID: 92649235049** Collected: 02/02/23 10:40 Received: 02/07/23 11:50 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:54		
Collected By	MD				1		02/13/23 17:54		
Collected Date	2/2/23				1		02/13/23 17:54		
Collected Time	10:40				1		02/13/23 17:54		
pH	6.80	Std. Units			1		02/13/23 17:54		

6010D ATL ICP

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

Iron	0.28	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 17:21	7439-89-6	
Manganese	0.25	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 17:21	7439-96-5	
Potassium	9.0	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 17:21	7440-09-7	
Sodium	32.1	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 17:21	7440-23-5	
Magnesium	114	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 17:21	7439-95-4	
Calcium	543	mg/L	5.0	0.61	5	02/23/23 10:34	02/24/23 13:50	7440-70-2	

6020 MET ICPMS

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

Antimony	0.0070	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 16:42	7440-36-0	
Arsenic	0.010	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 16:42	7440-38-2	
Barium	0.088	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 16:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 16:42	7440-41-7	
Boron	13.1	mg/L	0.40	0.086	10	02/27/23 17:09	02/28/23 17:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 16:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 16:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 16:42	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 16:42	7439-92-1	
Lithium	0.025J	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 16:42	7439-93-2	
Molybdenum	0.0078J	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 16:42	7439-98-7	
Selenium	0.0019J	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 16:42	7782-49-2	
Thallium	0.00027J	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 16:42	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 15:28	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	2680	mg/L	25.0	25.0	1		02/08/23 18:53		1g
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	140	mg/L	5.0	5.0	1		02/14/23 14:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/23 14:10		
Alkalinity, Total as CaCO3	140	mg/L	5.0	5.0	1		02/14/23 14:10		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWC-23** Lab ID: **92649235049** Collected: 02/02/23 10:40 Received: 02/07/23 11:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	737	mg/L	11.0	6.6	11		02/10/23 02:51	16887-00-6	
Fluoride	0.074J	mg/L	0.10	0.050	1		02/09/23 17:16	16984-48-8	
Sulfate	514	mg/L	11.0	5.5	11		02/10/23 02:51	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-39 **Lab ID: 92649235050** Collected: 02/02/23 11:42 Received: 02/07/23 11:50 Matrix: Water

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

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1	02/13/23 17:54			
Collected By	WL				1	02/13/23 17:54			
Collected Date	2/2/23				1	02/13/23 17:54			
Collected Time	11:42				1	02/13/23 17:54			
pH	6.93	Std. Units			1	02/13/23 17:54			

6010D ATL ICP

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

Calcium	267	mg/L	5.0	0.61	5	02/23/23 10:34	02/24/23 13:55	7440-70-2
Iron	ND	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 17:26	7439-89-6
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 17:26	7439-96-5
Potassium	5.7	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 17:26	7440-09-7
Sodium	14.5	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 17:26	7440-23-5
Magnesium	36.9	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 17:26	7439-95-4

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 16:47	7440-36-0
Arsenic	0.0048J	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 16:47	7440-38-2
Barium	0.039	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 16:47	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 16:47	7440-41-7
Boron	5.1	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 16:47	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 16:47	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 16:47	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 16:47	7440-48-4
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 16:47	7439-92-1
Lithium	0.0029J	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 16:47	7439-93-2
Molybdenum	0.0035J	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 16:47	7439-98-7
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 16:47	7782-49-2
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 16:47	7440-28-0

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 15:44	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	1220	mg/L	25.0	25.0	1	02/08/23 18:53		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	222	mg/L	5.0	5.0	1	02/14/23 17:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1	02/14/23 17:43		
Alkalinity, Total as CaCO3	222	mg/L	5.0	5.0	1	02/14/23 17:43		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: **BOW-BGWC-39** Lab ID: **92649235050** Collected: 02/02/23 11:42 Received: 02/07/23 11:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	224	mg/L	5.0	3.0	5		02/10/23 03:06	16887-00-6	
Fluoride	0.098J	mg/L	0.10	0.050	1		02/09/23 17:59	16984-48-8	
Sulfate	226	mg/L	5.0	2.5	5		02/10/23 03:06	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-PZ-7 **Lab ID: 92649235051** Collected: 02/02/23 13:05 Received: 02/07/23 11:50 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:55		
Collected By	WL				1		02/13/23 17:55		
Collected Date	2/2/23				1		02/13/23 17:55		
Collected Time	13:05				1		02/13/23 17:55		
pH	6.40	Std. Units			1		02/13/23 17:55		

6010D ATL ICP

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

Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 19:12	7439-89-6	
Manganese	0.014J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 19:12	7439-96-5	
Potassium	2.0	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 19:12	7440-09-7	
Sodium	14.1	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 19:12	7440-23-5	
Calcium	96.8	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 19:12	7440-70-2	
Magnesium	20.7	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 19:12	7439-95-4	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 16:53	7440-36-0	
Arsenic	0.0037J	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 16:53	7440-38-2	
Barium	0.022	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 16:53	7440-39-3	
Beryllium	0.000072J	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 16:53	7440-41-7	
Boron	1.0	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 16:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 16:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 16:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 16:53	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 16:53	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 16:53	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 16:53	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 16:53	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 16:53	7440-28-0	

7470 Mercury

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

Mercury	0.00015J	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 15:47	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	420	mg/L	25.0	25.0	1		02/08/23 18:53		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	156	mg/L	5.0	5.0	1		02/14/23 14:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/23 14:30		
Alkalinity, Total as CaCO3	156	mg/L	5.0	5.0	1		02/14/23 14:30		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-PZ-7 **Lab ID: 92649235051** Collected: 02/02/23 13:05 Received: 02/07/23 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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300.0 IC Anions 28 Days

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

Chloride	12.6	mg/L	1.0	0.60	1		02/09/23 18:14	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/09/23 18:14	16984-48-8	
Sulfate	163	mg/L	4.0	2.0	4		02/10/23 03:20	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-EB-03 **Lab ID: 92649235052** Collected: 02/02/23 13:10 Received: 02/07/23 11:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 19:17	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 19:17	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 19:17	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 19:17	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 19:17	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 19:17	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 13:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 13:28	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 13:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 13:28	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 13:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 13:28	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 13:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 13:28	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 13:28	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 13:28	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/28/23 10:21	03/02/23 13:28	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 13:28	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 13:28	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 15:50	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/08/23 18:54		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/23 14:41		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/23 14:41		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/14/23 14:41		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/09/23 18:28	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/09/23 18:28	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/09/23 18:28	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FB-08 **Lab ID: 92649235053** Collected: 02/02/23 13:00 Received: 02/07/23 11:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 19:22	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 19:22	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 19:22	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 19:22	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 19:22	7440-70-2	M1,R1
Magnesium	ND	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 19:22	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 13:51	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 13:51	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 13:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 13:51	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 13:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 13:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 13:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 13:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 13:51	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 13:51	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/28/23 10:21	03/02/23 13:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 13:51	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 13:51	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 15:52	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	31.3	mg/L	25.0	25.0	1		02/08/23 18:54		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/23 14:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/14/23 14:45		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/14/23 14:45		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/09/23 18:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/09/23 18:43	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/09/23 18:43	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-22 **Lab ID: 92649235054** Collected: 02/07/23 11:00 Received: 02/10/23 15:30 Matrix: Water

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

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:56		
Collected By	MD				1		02/13/23 17:56		
Collected Date	2/7/23				1		02/13/23 17:56		
Collected Time	11:00				1		02/13/23 17:56		
pH	6.44	Std. Units			1		02/13/23 17:56		

6010D ATL ICP

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

Iron	0.072	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 19:41	7439-89-6	
Manganese	5.1	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 19:41	7439-96-5	
Potassium	13.5	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 19:41	7440-09-7	
Sodium	33.3	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 19:41	7440-23-5	
Magnesium	81.1	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 19:41	7439-95-4	
Calcium	583	mg/L	5.0	0.61	5	02/23/23 17:37	02/25/23 14:04	7440-70-2	

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 13:57	7440-36-0	
Arsenic	0.0028J	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 13:57	7440-38-2	
Barium	0.058	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 13:57	7440-39-3	
Beryllium	0.00013J	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 13:57	7440-41-7	
Boron	16.9	mg/L	0.40	0.086	10	02/28/23 10:21	03/02/23 14:03	7440-42-8	
Cadmium	0.0010	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 13:57	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 13:57	7440-47-3	
Cobalt	0.017	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 13:57	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 13:57	7439-92-1	
Lithium	0.018J	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 13:57	7439-93-2	
Molybdenum	0.032	mg/L	0.010	0.00074	1	02/28/23 10:21	03/02/23 13:57	7439-98-7	
Selenium	0.0016J	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 13:57	7782-49-2	
Thallium	0.00080J	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 13:57	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 15:55	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	2490	mg/L	25.0	25.0	1		02/13/23 11:43		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	85.3	mg/L	5.0	5.0	1		02/16/23 12:17		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/16/23 12:17		
Alkalinity, Total as CaCO3	85.3	mg/L	5.0	5.0	1		02/16/23 12:17		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-22 **Lab ID: 92649235054** Collected: 02/07/23 11:00 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	803	mg/L	16.0	9.6	16		02/15/23 11:15	16887-00-6	
Fluoride	0.26	mg/L	0.10	0.050	1		02/15/23 07:03	16984-48-8	
Sulfate	707	mg/L	16.0	8.0	16		02/15/23 11:15	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-38D **Lab ID: 92649235055** Collected: 02/07/23 15:36 Received: 02/10/23 15:30 Matrix: Water

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

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/13/23 17:57		
Collected By	WL				1		02/13/23 17:57		
Collected Date	2/7/23				1		02/13/23 17:57		
Collected Time	15:36				1		02/13/23 17:57		
pH	5.99	Std. Units			1		02/13/23 17:57		

6010D ATL ICP

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

Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 19:46	7439-89-6	
Manganese	0.14	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 19:46	7439-96-5	
Potassium	1.1	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 19:46	7440-09-7	
Sodium	6.4	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 19:46	7440-23-5	
Calcium	61.3	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 19:46	7440-70-2	
Magnesium	22.2	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 19:46	7439-95-4	

6020 MET ICPMS

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

Antimony	0.00082J	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 14:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 14:23	7440-38-2	
Barium	0.11	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 14:23	7440-39-3	
Beryllium	0.000087J	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 14:23	7440-41-7	
Boron	1.8	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 14:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 14:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 14:23	7440-47-3	
Cobalt	0.0014J	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 14:23	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 14:23	7439-92-1	
Lithium	0.0011J	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 14:23	7439-93-2	
Molybdenum	0.020	mg/L	0.010	0.00074	1	02/28/23 10:21	03/02/23 14:23	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 14:23	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 14:23	7440-28-0	

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 15:57	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	348	mg/L	25.0	25.0	1		02/13/23 11:44		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	73.6	mg/L	5.0	5.0	1		02/16/23 12:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/16/23 12:25		
Alkalinity, Total as CaCO3	73.6	mg/L	5.0	5.0	1		02/16/23 12:25		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-38D **Lab ID: 92649235055** Collected: 02/07/23 15:36 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	93.7	mg/L	1.0	0.60	1		02/14/23 15:50	16887-00-6	
Fluoride	0.11	mg/L	0.10	0.050	1		02/14/23 15:50	16984-48-8	M1
Sulfate	42.6	mg/L	1.0	0.50	1		02/14/23 15:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-BGWC-43D **Lab ID: 92649235056** Collected: 02/07/23 11:39 Received: 02/10/23 15:30 Matrix: Water

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

Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1	02/13/23 17:57			
Collected By	WL				1	02/13/23 17:57			
Collected Date	2/7/23				1	02/13/23 17:57			
Collected Time	11:39				1	02/13/23 17:57			
pH	7.03	Std. Units			1	02/13/23 17:57			

6010D ATL ICP

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

Iron	0.26	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:01	7439-89-6
Manganese	1.2	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:01	7439-96-5
Potassium	4.4	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:01	7440-09-7
Sodium	24.6	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:01	7440-23-5
Calcium	184	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:01	7440-70-2
Magnesium	42.1	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:01	7439-95-4

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 14:29	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 14:29	7440-38-2
Barium	0.059	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 14:29	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 14:29	7440-41-7
Boron	6.9	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 14:29	7440-42-8
Cadmium	0.00014J	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 14:29	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 14:29	7440-47-3
Cobalt	0.0016J	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 14:29	7440-48-4
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 14:29	7439-92-1
Lithium	0.016J	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 14:29	7439-93-2
Molybdenum	0.13	mg/L	0.010	0.00074	1	02/28/23 10:21	03/02/23 14:29	7439-98-7
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 14:29	7782-49-2
Thallium	0.0011	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 14:29	7440-28-0

7470 Mercury

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

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:00	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	992	mg/L	25.0	25.0	1	02/13/23 11:44		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	5.0	1	02/16/23 12:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1	02/16/23 12:43		
Alkalinity, Total as CaCO3	144	mg/L	5.0	5.0	1	02/16/23 12:43		

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-BGWC-43D **Lab ID: 92649235056** Collected: 02/07/23 11:39 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	226	mg/L	5.0	3.0	5		02/15/23 01:43	16887-00-6	
Fluoride	0.97	mg/L	0.10	0.050	1		02/14/23 16:35	16984-48-8	
Sulfate	167	mg/L	5.0	2.5	5		02/15/23 01:43	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-AP1-FD-05 Lab ID: 92649235057 Collected: 02/07/23 00:00 Received: 02/10/23 15:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Iron	0.26	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:05	7439-89-6	
Manganese	1.2	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:05	7439-96-5	
Potassium	4.2	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:05	7440-09-7	
Sodium	24.0	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:05	7440-23-5	
Calcium	182	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:05	7440-70-2	
Magnesium	41.5	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:05	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 14:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 14:41	7440-38-2	
Barium	0.062	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 14:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 14:41	7440-41-7	
Boron	7.2	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 14:41	7440-42-8	
Cadmium	0.00018J	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 14:41	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 14:41	7440-47-3	
Cobalt	0.0017J	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 14:41	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 14:41	7439-92-1	
Lithium	0.017J	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 14:41	7439-93-2	
Molybdenum	0.14	mg/L	0.010	0.00074	1	02/28/23 10:21	03/02/23 14:41	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 14:41	7782-49-2	
Thallium	0.0011	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 14:41	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:03	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	897	mg/L	25.0	25.0	1		02/13/23 11:45		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	149	mg/L	5.0	5.0	1		02/16/23 12:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/16/23 12:53		
Alkalinity, Total as CaCO3	149	mg/L	5.0	5.0	1		02/16/23 12:53		M1
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	226	mg/L	5.0	3.0	5		02/15/23 01:57	16887-00-6	
Fluoride	0.97	mg/L	0.10	0.050	1		02/14/23 16:50	16984-48-8	
Sulfate	167	mg/L	5.0	2.5	5		02/15/23 01:57	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1
 Pace Project No.: 92649235

Sample: BOW-AP1-EB-04 Lab ID: 92649235058 Collected: 02/07/23 13:30 Received: 02/10/23 15:30 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:10	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:10	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:10	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:10	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:10	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:10	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 14:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 14:47	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 14:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 14:47	7440-41-7	
Boron	0.036J	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 14:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 14:47	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 14:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 14:47	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 14:47	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 14:47	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/28/23 10:21	03/02/23 14:47	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 14:47	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 14:47	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:05	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	59.0	mg/L	25.0	25.0	1		02/13/23 11:45		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/16/23 13:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/16/23 13:19		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/16/23 13:19		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/14/23 19:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 19:18	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/14/23 19:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92649235

Sample: BOW-AP1-FB-9 **Lab ID: 92649235059** Collected: 02/07/23 13:25 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:15	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:15	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:15	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:15	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:15	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:15	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 14:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 14:53	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 14:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 14:53	7440-41-7	
Boron	0.011J	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 14:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 14:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 14:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 14:53	7440-48-4	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 14:53	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 14:53	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	02/28/23 10:21	03/02/23 14:53	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 14:53	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 14:53	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:13	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	189	mg/L	25.0	25.0	1		02/13/23 11:46		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/16/23 15:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/16/23 15:23		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/16/23 15:23		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/14/23 19:33	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 19:33	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/14/23 19:33	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen AP-1
 Pace Project No.: 92649235

QC Batch: 752954 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92649235001, 92649235002, 92649235003, 92649235004, 92649235005, 92649235006, 92649235007, 92649235008, 92649235009, 92649235010, 92649235011, 92649235012, 92649235013, 92649235014, 92649235015, 92649235016, 92649235017, 92649235018, 92649235019, 92649235020

METHOD BLANK: 3912301 Matrix: Water
 Associated Lab Samples: 92649235001, 92649235002, 92649235003, 92649235004, 92649235005, 92649235006, 92649235007, 92649235008, 92649235009, 92649235010, 92649235011, 92649235012, 92649235013, 92649235014, 92649235015, 92649235016, 92649235017, 92649235018, 92649235019, 92649235020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/02/23 23:20	
Iron	mg/L	ND	0.040	0.025	02/02/23 23:20	
Magnesium	mg/L	ND	0.050	0.012	02/02/23 23:20	
Manganese	mg/L	ND	0.040	0.0043	02/02/23 23:20	
Potassium	mg/L	ND	0.20	0.15	02/02/23 23:20	
Sodium	mg/L	ND	1.0	0.58	02/02/23 23:20	

LABORATORY CONTROL SAMPLE: 3912302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	105	80-120	
Iron	mg/L	1	1.0	102	80-120	
Magnesium	mg/L	1	1.0	104	80-120	
Manganese	mg/L	1	1.1	105	80-120	
Potassium	mg/L	1	1.1	107	80-120	
Sodium	mg/L	1	1.1	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3912303 3912304

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235002 Result	Spike Conc.	Spike Conc.	MS Result						
Calcium	mg/L	21.0	1	1	22.6	22.9	161	192	75-125	1	20 M1
Iron	mg/L	0.027J	1	1	1.1	1.1	103	104	75-125	1	20
Magnesium	mg/L	10.7	1	1	12.0	12.1	127	137	75-125	1	20 M1
Manganese	mg/L	0.0056J	1	1	1.0	1.0	103	103	75-125	0	20
Potassium	mg/L	0.63	1	1	1.8	1.8	117	118	75-125	0	20
Sodium	mg/L	2.7	1	1	3.9	4.0	119	124	75-125	1	20

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92649235

QC Batch: 757480 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92649235021, 92649235022, 92649235023, 92649235024, 92649235025, 92649235026, 92649235027, 92649235028, 92649235029, 92649235030, 92649235031, 92649235032, 92649235033, 92649235034, 92649235035, 92649235036, 92649235037, 92649235038, 92649235039, 92649235040

METHOD BLANK: 3934897 Matrix: Water
Associated Lab Samples: 92649235021, 92649235022, 92649235023, 92649235024, 92649235025, 92649235026, 92649235027, 92649235028, 92649235029, 92649235030, 92649235031, 92649235032, 92649235033, 92649235034, 92649235035, 92649235036, 92649235037, 92649235038, 92649235039, 92649235040

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/23/23 13:24	
Iron	mg/L	ND	0.040	0.025	02/23/23 13:24	
Magnesium	mg/L	ND	0.050	0.012	02/23/23 13:24	
Manganese	mg/L	ND	0.040	0.0043	02/23/23 13:24	
Potassium	mg/L	ND	0.20	0.15	02/23/23 13:24	
Sodium	mg/L	ND	1.0	0.58	02/23/23 13:24	

LABORATORY CONTROL SAMPLE: 3934898

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.93J	93	80-120	
Iron	mg/L	1	0.96	96	80-120	
Magnesium	mg/L	1	0.97	97	80-120	
Manganese	mg/L	1	0.96	96	80-120	
Potassium	mg/L	1	0.94	94	80-120	
Sodium	mg/L	1	0.96J	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3934899 3934900

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		292649235021	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	64.0	1	1	61.7	61.4	-225	-253	75-125	0	20 M1
Iron	mg/L	0.26	1	1	1.2	1.2	97	96	75-125	1	20
Magnesium	mg/L	28.1	1	1	27.8	27.6	-27	-50	75-125	1	20 M1
Manganese	mg/L	0.035J	1	1	0.98	0.97	95	93	75-125	1	20
Potassium	mg/L	2.1	1	1	2.9	2.9	83	84	75-125	0	20
Sodium	mg/L	17.3	1	1	17.4	17.2	10	-5	75-125	1	20 M1

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	757680	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92649235041, 92649235042, 92649235043, 92649235044, 92649235045, 92649235046, 92649235047, 92649235048, 92649235049, 92649235050		

METHOD BLANK:	3935828	Matrix:	Water
Associated Lab Samples:	92649235041, 92649235042, 92649235043, 92649235044, 92649235045, 92649235046, 92649235047, 92649235048, 92649235049, 92649235050		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/23/23 15:59	
Iron	mg/L	ND	0.040	0.025	02/23/23 15:59	
Magnesium	mg/L	ND	0.050	0.012	02/23/23 15:59	
Manganese	mg/L	ND	0.040	0.0043	02/23/23 15:59	
Potassium	mg/L	ND	0.20	0.15	02/23/23 15:59	
Sodium	mg/L	ND	1.0	0.58	02/23/23 15:59	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.98J	98	80-120	
Iron	mg/L	1	0.99	99	80-120	
Magnesium	mg/L	1	1.0	100	80-120	
Manganese	mg/L	1	0.99	99	80-120	
Potassium	mg/L	1	1.1	109	80-120	
Sodium	mg/L	1	1.0	100	80-120	

Parameter	Units	3935830		3935831		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	113	1	112	111	-96	-182	75-125	1	20	M1
Iron	mg/L	0.16	1	1.1	1.2	96	99	75-125	3	20	
Magnesium	mg/L	36.0	1	36.3	36.0	33	6	75-125	1	20	M1
Manganese	mg/L	0.0090J	1	0.98	0.99	97	98	75-125	1	20	
Potassium	mg/L	2.8	1	3.8	3.8	97	97	75-125	0	20	
Sodium	mg/L	5.8	1	6.8	6.7	98	91	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	757805	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92649235051, 92649235052, 92649235053, 92649235054, 92649235055, 92649235056, 92649235057, 92649235058, 92649235059		

METHOD BLANK:	3936712	Matrix:	Water
Associated Lab Samples:	92649235051, 92649235052, 92649235053, 92649235054, 92649235055, 92649235056, 92649235057, 92649235058, 92649235059		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/24/23 19:03	
Iron	mg/L	ND	0.040	0.025	02/24/23 19:03	
Magnesium	mg/L	ND	0.050	0.012	02/24/23 19:03	
Manganese	mg/L	ND	0.040	0.0043	02/24/23 19:03	
Potassium	mg/L	ND	0.20	0.15	02/24/23 19:03	
Sodium	mg/L	ND	1.0	0.58	02/24/23 19:03	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.1	107	80-120	
Magnesium	mg/L	1	1.1	108	80-120	
Manganese	mg/L	1	1.1	106	80-120	
Potassium	mg/L	1	0.93	93	80-120	
Sodium	mg/L	1	1.0	103	80-120	

Parameter	Units	3936714		3936715		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235053 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Calcium	mg/L	ND	1	1	1.3	1.0	129	102	75-125	24	20	M1,R1	
Iron	mg/L	ND	1	1	1.1	1.0	106	104	75-125	2	20		
Magnesium	mg/L	ND	1	1	1.1	1.1	108	106	75-125	1	20		
Manganese	mg/L	ND	1	1	1.0	1.0	105	103	75-125	1	20		
Potassium	mg/L	ND	1	1	0.85	0.84	85	84	75-125	1	20		
Sodium	mg/L	ND	1	1	1.1	1.0	106	102	75-125	4	20		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	753120	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92649235001, 92649235002, 92649235003, 92649235004, 92649235005, 92649235006, 92649235007, 92649235008, 92649235009, 92649235010, 92649235011		

METHOD BLANK:	3912973	Matrix:	Water
Associated Lab Samples:	92649235001, 92649235002, 92649235003, 92649235004, 92649235005, 92649235006, 92649235007, 92649235008, 92649235009, 92649235010, 92649235011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/03/23 15:19	
Arsenic	mg/L	ND	0.0050	0.0022	02/03/23 15:19	
Barium	mg/L	ND	0.0050	0.00067	02/03/23 15:19	
Beryllium	mg/L	ND	0.00050	0.000054	02/03/23 15:19	
Boron	mg/L	ND	0.040	0.0086	02/03/23 15:19	
Cadmium	mg/L	ND	0.00050	0.00011	02/03/23 15:19	
Chromium	mg/L	ND	0.0050	0.0011	02/03/23 15:19	
Cobalt	mg/L	ND	0.0050	0.00039	02/03/23 15:19	
Lead	mg/L	ND	0.0010	0.00089	02/03/23 15:19	
Lithium	mg/L	ND	0.030	0.00073	02/03/23 15:19	
Molybdenum	mg/L	ND	0.010	0.00074	02/03/23 15:19	
Selenium	mg/L	ND	0.0050	0.0014	02/03/23 15:19	
Thallium	mg/L	ND	0.0010	0.00018	02/03/23 15:19	

LABORATORY CONTROL SAMPLE: 3912974						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.12	117	80-120	
Arsenic	mg/L	0.1	0.10	101	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.11	109	80-120	
Boron	mg/L	1	1.1	108	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.11	105	80-120	
Lithium	mg/L	0.1	0.11	108	80-120	
Molybdenum	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.11	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3912975												3912976	
Parameter	Units	92649042003 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Antimony	mg/L	ND	0.1	0.1	0.12	0.11	116	115	75-125	2	20		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

Parameter	Units	3912975		3912976		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649042003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result									MSD Result
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	1	20		
Barium	mg/L	0.059	0.1	0.1	0.16	0.16	102	102	75-125	0	20		
Beryllium	mg/L	ND	0.1	0.1	0.088	0.085	88	85	75-125	4	20		
Boron	mg/L	1.6	1	1	2.5	2.5	93	85	75-125	3	20		
Cadmium	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.097	0.096	97	95	75-125	2	20		
Cobalt	mg/L	ND	0.1	0.1	0.098	0.095	97	95	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	0	20		
Lithium	mg/L	0.0066J	0.1	0.1	0.095	0.092	88	85	75-125	3	20		
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	105	104	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 753122

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92649235012, 92649235013

METHOD BLANK: 3912997

Matrix: Water

Associated Lab Samples: 92649235012, 92649235013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/03/23 19:38	
Arsenic	mg/L	ND	0.0050	0.0022	02/03/23 19:38	
Barium	mg/L	ND	0.0050	0.00067	02/03/23 19:38	
Beryllium	mg/L	ND	0.00050	0.000054	02/06/23 12:56	
Boron	mg/L	ND	0.040	0.0086	02/03/23 19:38	
Cadmium	mg/L	ND	0.00050	0.00011	02/03/23 19:38	
Chromium	mg/L	ND	0.0050	0.0011	02/06/23 12:56	
Cobalt	mg/L	ND	0.0050	0.00039	02/03/23 19:38	
Lead	mg/L	ND	0.0010	0.00089	02/03/23 19:38	
Lithium	mg/L	ND	0.030	0.00073	02/03/23 19:38	
Molybdenum	mg/L	ND	0.010	0.00074	02/03/23 19:38	
Selenium	mg/L	ND	0.0050	0.0014	02/03/23 19:38	
Thallium	mg/L	ND	0.0010	0.00018	02/03/23 19:38	

LABORATORY CONTROL SAMPLE: 3912998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.12	117	80-120	
Arsenic	mg/L	0.1	0.10	101	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.10	104	80-120	
Boron	mg/L	1	0.93	93	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.11	108	80-120	
Lithium	mg/L	0.1	0.096	96	80-120	
Molybdenum	mg/L	0.1	0.11	107	80-120	
Selenium	mg/L	0.1	0.11	107	80-120	
Thallium	mg/L	0.1	0.11	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3912999 3913000

Parameter	Units	92649235012 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Antimony	mg/L	ND	0.1	0.1	0.12	0.12	119	118	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	105	102	75-125	3	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

Parameter	Units	3912999		3913000		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Barium	mg/L	0.034	0.1	0.1	0.13	0.13	100	99	75-125	1	20		
Beryllium	mg/L	0.00010J	0.1	0.1	0.10	0.099	100	99	75-125	1	20		
Boron	mg/L	0.45	1	1	1.3	1.4	89	97	75-125	5	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20		
Chromium	mg/L	ND	0.1	0.1	0.11	0.10	106	103	75-125	3	20		
Cobalt	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	0	20		
Lead	mg/L	ND	0.1	0.1	0.11	0.10	105	104	75-125	1	20		
Lithium	mg/L	ND	0.1	0.1	0.096	0.10	96	100	75-125	4	20		
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	105	104	75-125	1	20		
Selenium	mg/L	0.0022J	0.1	0.1	0.11	0.11	106	103	75-125	3	20		
Thallium	mg/L	0.00019J	0.1	0.1	0.11	0.10	105	105	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 758264 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92649235014, 92649235015, 92649235016, 92649235017, 92649235018, 92649235019, 92649235020, 92649235021, 92649235022, 92649235023, 92649235024, 92649235025, 92649235026, 92649235027, 92649235028, 92649235029, 92649235030, 92649235031

METHOD BLANK: 3938725 Matrix: Water
 Associated Lab Samples: 92649235014, 92649235015, 92649235016, 92649235017, 92649235018, 92649235019, 92649235020, 92649235021, 92649235022, 92649235023, 92649235024, 92649235025, 92649235026, 92649235027, 92649235028, 92649235029, 92649235030, 92649235031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/27/23 17:51	
Arsenic	mg/L	ND	0.0050	0.0022	02/27/23 17:51	
Barium	mg/L	ND	0.0050	0.00067	02/27/23 17:51	
Beryllium	mg/L	ND	0.00050	0.000054	02/27/23 17:51	
Boron	mg/L	ND	0.040	0.0086	02/27/23 17:51	
Cadmium	mg/L	ND	0.00050	0.00011	02/27/23 17:51	
Chromium	mg/L	ND	0.0050	0.0011	02/27/23 17:51	
Cobalt	mg/L	ND	0.0050	0.00039	02/27/23 17:51	
Lead	mg/L	ND	0.0010	0.00089	02/27/23 17:51	
Lithium	mg/L	ND	0.030	0.00073	02/27/23 17:51	
Molybdenum	mg/L	ND	0.010	0.00074	02/27/23 17:51	
Selenium	mg/L	ND	0.0050	0.0014	02/27/23 17:51	
Thallium	mg/L	ND	0.0010	0.00018	02/27/23 17:51	

LABORATORY CONTROL SAMPLE: 3938726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.12	116	80-120	
Arsenic	mg/L	0.1	0.10	101	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.11	106	80-120	
Boron	mg/L	1	1.1	105	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Chromium	mg/L	0.1	0.10	104	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	103	80-120	
Lithium	mg/L	0.1	0.10	104	80-120	
Molybdenum	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.10	102	80-120	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

Parameter	Units	92649235016		3938727		3938728		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.12	0.12	117	120	75-125	2	20			
Arsenic	mg/L	ND	0.1	0.1	0.11	0.11	105	107	75-125	2	20			
Barium	mg/L	0.025	0.1	0.1	0.13	0.13	104	106	75-125	2	20			
Beryllium	mg/L	ND	0.1	0.1	0.099	0.11	99	105	75-125	6	20			
Boron	mg/L	0.017J	1	1	1.0	1.1	100	105	75-125	5	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	2	20			
Chromium	mg/L	ND	0.1	0.1	0.099	0.10	99	102	75-125	3	20			
Cobalt	mg/L	ND	0.1	0.1	0.097	0.10	97	100	75-125	3	20			
Lead	mg/L	ND	0.1	0.1	0.096	0.10	96	101	75-125	5	20			
Lithium	mg/L	ND	0.1	0.1	0.10	0.11	100	105	75-125	5	20			
Molybdenum	mg/L	0.0070J	0.1	0.1	0.11	0.11	101	104	75-125	2	20			
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	105	106	75-125	1	20			
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	3	20			

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 758321 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92649235032, 92649235033, 92649235034, 92649235035, 92649235036, 92649235037, 92649235038, 92649235039, 92649235040, 92649235041, 92649235042, 92649235043, 92649235044, 92649235045, 92649235046, 92649235047, 92649235048, 92649235049, 92649235050, 92649235051

METHOD BLANK: 3939078 Matrix: Water
 Associated Lab Samples: 92649235032, 92649235033, 92649235034, 92649235035, 92649235036, 92649235037, 92649235038, 92649235039, 92649235040, 92649235041, 92649235042, 92649235043, 92649235044, 92649235045, 92649235046, 92649235047, 92649235048, 92649235049, 92649235050, 92649235051

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/28/23 13:46	
Arsenic	mg/L	ND	0.0050	0.0022	02/28/23 13:46	
Barium	mg/L	ND	0.0050	0.00067	02/28/23 13:46	
Beryllium	mg/L	ND	0.00050	0.000054	02/28/23 13:46	
Boron	mg/L	ND	0.040	0.0086	02/28/23 13:46	
Cadmium	mg/L	ND	0.00050	0.00011	02/28/23 13:46	
Chromium	mg/L	0.0013J	0.0050	0.0011	02/28/23 13:46	
Cobalt	mg/L	ND	0.0050	0.00039	02/28/23 13:46	
Lead	mg/L	ND	0.0010	0.00089	02/28/23 13:46	
Lithium	mg/L	ND	0.030	0.00073	02/28/23 13:46	
Molybdenum	mg/L	ND	0.010	0.00074	02/28/23 13:46	
Selenium	mg/L	ND	0.0050	0.0014	02/28/23 13:46	
Thallium	mg/L	ND	0.0010	0.00018	02/28/23 13:46	

LABORATORY CONTROL SAMPLE: 3939079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.12	117	80-120	
Arsenic	mg/L	0.1	0.10	104	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.10	103	80-120	
Boron	mg/L	1	1.0	103	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Lithium	mg/L	0.1	0.10	103	80-120	
Molybdenum	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.10	104	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

Parameter	Units	3939080		3939081		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result									MSD Result
Antimony	mg/L	ND	0.1	0.1	0.12	0.12	121	120	75-125	1	20		
Arsenic	mg/L	0.0080	0.1	0.1	0.12	0.11	108	107	75-125	1	20		
Barium	mg/L	0.084	0.1	0.1	0.19	0.19	110	109	75-125	0	20		
Beryllium	mg/L	0.000060J	0.1	0.1	0.10	0.11	104	106	75-125	1	20		
Boron	mg/L	1.3	1	1	2.4	2.4	107	110	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20		
Lithium	mg/L	0.0025J	0.1	0.1	0.11	0.11	106	107	75-125	1	20		
Molybdenum	mg/L	0.014	0.1	0.1	0.12	0.12	107	107	75-125	0	20		
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	106	105	75-125	1	20		
Thallium	mg/L	0.00023J	0.1	0.1	0.099	0.099	99	99	75-125	0	20		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	758324	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
Associated Lab Samples:		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
92649235052, 92649235053, 92649235054, 92649235055, 92649235056, 92649235057, 92649235058, 92649235059			

METHOD BLANK:	3939084	Matrix:	Water
Associated Lab Samples: 92649235052, 92649235053, 92649235054, 92649235055, 92649235056, 92649235057, 92649235058, 92649235059			

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/02/23 13:16	
Arsenic	mg/L	ND	0.0050	0.0022	03/02/23 13:16	
Barium	mg/L	ND	0.0050	0.00067	03/02/23 13:16	
Beryllium	mg/L	ND	0.00050	0.000054	03/02/23 13:16	
Boron	mg/L	ND	0.040	0.0086	03/02/23 13:16	
Cadmium	mg/L	ND	0.00050	0.00011	03/02/23 13:16	
Chromium	mg/L	0.0011J	0.0050	0.0011	03/02/23 13:16	
Cobalt	mg/L	ND	0.0050	0.00039	03/02/23 13:16	
Lead	mg/L	ND	0.0010	0.00089	03/02/23 13:16	
Lithium	mg/L	ND	0.030	0.00073	03/02/23 13:16	
Molybdenum	mg/L	ND	0.010	0.00074	03/02/23 13:16	
Selenium	mg/L	ND	0.0050	0.0014	03/02/23 13:16	
Thallium	mg/L	ND	0.0010	0.00018	03/02/23 13:16	

LABORATORY CONTROL SAMPLE: 3939085						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.12	117	80-120	
Arsenic	mg/L	0.1	0.11	105	80-120	
Barium	mg/L	0.1	0.11	105	80-120	
Beryllium	mg/L	0.1	0.11	110	80-120	
Boron	mg/L	1	1.1	109	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.11	106	80-120	
Lithium	mg/L	0.1	0.11	111	80-120	
Molybdenum	mg/L	0.1	0.11	105	80-120	
Selenium	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.11	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3939086 3939087												
Parameter	Units	92649235052 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.	MS Result	MSD Result						
Antimony	mg/L	ND	0.1	0.1	0.12	0.11	115	114	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3939086 3939087												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92649235052 Result	Spike Conc.	Spike Conc.	MS Result							
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	1	20	
Barium	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.11	104	107	75-125	3	20	
Boron	mg/L	ND	1	1	1.0	1.1	104	106	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	105	102	75-125	3	20	
Lithium	mg/L	ND	0.1	0.1	0.11	0.11	106	109	75-125	3	20	
Molybdenum	mg/L	ND	0.1	0.1	0.11	0.10	106	104	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	105	104	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	756331	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92649235001, 92649235002, 92649235003, 92649235004, 92649235005, 92649235006, 92649235007, 92649235008, 92649235009, 92649235010, 92649235011, 92649235012, 92649235013, 92649235014, 92649235015, 92649235016, 92649235017, 92649235018, 92649235019, 92649235020		

METHOD BLANK:	3929439	Matrix:	Water
Associated Lab Samples:	92649235001, 92649235002, 92649235003, 92649235004, 92649235005, 92649235006, 92649235007, 92649235008, 92649235009, 92649235010, 92649235011, 92649235012, 92649235013, 92649235014, 92649235015, 92649235016, 92649235017, 92649235018, 92649235019, 92649235020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/17/23 08:22	

LABORATORY CONTROL SAMPLE:	3929440					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0021	86	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3929441			3929442								
Parameter	Units	92649235001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0022	0.0023	85	89	75-125	4	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	756332	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92649235021, 92649235022, 92649235023, 92649235024, 92649235025, 92649235026, 92649235027, 92649235028, 92649235029, 92649235030, 92649235031, 92649235032, 92649235033, 92649235034, 92649235035, 92649235036, 92649235037, 92649235038, 92649235039, 92649235040		

METHOD BLANK:	3929445	Matrix:	Water
Associated Lab Samples:	92649235021, 92649235022, 92649235023, 92649235024, 92649235025, 92649235026, 92649235027, 92649235028, 92649235029, 92649235030, 92649235031, 92649235032, 92649235033, 92649235034, 92649235035, 92649235036, 92649235037, 92649235038, 92649235039, 92649235040		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/17/23 09:47	

LABORATORY CONTROL SAMPLE:	3929446					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3929447			3929448								
Parameter	Units	92649235021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00018J	0.0025	0.0025	0.0027	0.0023	100	86	75-125	14	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	758957	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92649235041, 92649235042, 92649235043, 92649235044, 92649235045, 92649235046, 92649235047, 92649235048

METHOD BLANK: 3942313 Matrix: Water

Associated Lab Samples: 92649235041, 92649235042, 92649235043, 92649235044, 92649235045, 92649235046, 92649235047, 92649235048

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/02/23 12:20	

LABORATORY CONTROL SAMPLE: 3942314

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3942315 3942316

Parameter	Units	92649235041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0024	94	94	75-125	0	20	H1

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 758958 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92649235049, 92649235050, 92649235051, 92649235052, 92649235053, 92649235054, 92649235055, 92649235056, 92649235057, 92649235058, 92649235059

METHOD BLANK: 3942317 Matrix: Water
 Associated Lab Samples: 92649235049, 92649235050, 92649235051, 92649235052, 92649235053, 92649235054, 92649235055, 92649235056, 92649235057, 92649235058, 92649235059

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/02/23 15:22	

LABORATORY CONTROL SAMPLE: 3942318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3942319 3942320

Parameter	Units	92649235049 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0022	0.0022	86	87	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 752586 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92649235001, 92649235002, 92649235003, 92649235004, 92649235005, 92649235006, 92649235007,
 92649235008, 92649235009, 92649235010, 92649235013, 92649235014, 92649235016, 92649235017,
 92649235018, 92649235019

METHOD BLANK: 3910228 Matrix: Water
 Associated Lab Samples: 92649235001, 92649235002, 92649235003, 92649235004, 92649235005, 92649235006, 92649235007,
 92649235008, 92649235009, 92649235010, 92649235013, 92649235014, 92649235016, 92649235017,
 92649235018, 92649235019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	01/30/23 19:51	

LABORATORY CONTROL SAMPLE: 3910229

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	374	94	80-120	

SAMPLE DUPLICATE: 3910230

Parameter	Units	92649235001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	223	238	7	10	

SAMPLE DUPLICATE: 3910231

Parameter	Units	92649235018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	752849	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92649235011, 92649235012, 92649235015, 92649235020

METHOD BLANK: 3911476 Matrix: Water
 Associated Lab Samples: 92649235011, 92649235012, 92649235015, 92649235020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	01/31/23 12:38	

LABORATORY CONTROL SAMPLE: 3911477

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	394	98	80-120	

SAMPLE DUPLICATE: 3911478

Parameter	Units	92649235011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	396	414	4	10	

SAMPLE DUPLICATE: 3911479

Parameter	Units	92649377007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	89.0	93.0	4	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	753439	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92649235021, 92649235022, 92649235023, 92649235024, 92649235025, 92649235026

METHOD BLANK: 3914561 Matrix: Water

Associated Lab Samples: 92649235021, 92649235022, 92649235023, 92649235024, 92649235025, 92649235026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/02/23 19:13	

LABORATORY CONTROL SAMPLE: 3914562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	427	107	80-120	

SAMPLE DUPLICATE: 3914563

Parameter	Units	92649377017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	188	204	8	10	

SAMPLE DUPLICATE: 3914564

Parameter	Units	92649235025 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	433	458	6	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 753781 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92649235034, 92649235035, 92649235036, 92649235037, 92649235038, 92649235039

METHOD BLANK: 3916195 Matrix: Water
 Associated Lab Samples: 92649235034, 92649235035, 92649235036, 92649235037, 92649235038, 92649235039

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/06/23 17:51	

LABORATORY CONTROL SAMPLE: 3916196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	403	101	80-120	

SAMPLE DUPLICATE: 3916197

Parameter	Units	92650182003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	147	153	4	10	

SAMPLE DUPLICATE: 3916198

Parameter	Units	92650163003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	78.0	156	67	10	D6

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 754074 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92649235041, 92649235042, 92649235043, 92649235044, 92649235046, 92649235047

METHOD BLANK: 3917190 Matrix: Water
 Associated Lab Samples: 92649235041, 92649235042, 92649235043, 92649235044, 92649235046, 92649235047

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/06/23 13:39	

LABORATORY CONTROL SAMPLE: 3917191

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	396	99	80-120	

SAMPLE DUPLICATE: 3917192

Parameter	Units	92649872005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	84.0	70.0	18	10	D6

SAMPLE DUPLICATE: 3917193

Parameter	Units	92649235044 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1820	1450	22	10	D6

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 754576 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92649235040, 92649235045, 92649235048, 92649235049, 92649235050, 92649235051, 92649235052, 92649235053

METHOD BLANK: 3920182 Matrix: Water
 Associated Lab Samples: 92649235040, 92649235045, 92649235048, 92649235049, 92649235050, 92649235051, 92649235052, 92649235053

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/08/23 18:52	

LABORATORY CONTROL SAMPLE: 3920183

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	379	95	80-120	

SAMPLE DUPLICATE: 3921107

Parameter	Units	92649235040 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2550	2940	14	10	D6

SAMPLE DUPLICATE: 3921108

Parameter	Units	92649235045 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2850	2670	6	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1
 Pace Project No.: 92649235

QC Batch: 752818 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92649235001, 92649235002, 92649235003, 92649235004, 92649235016, 92649235019

METHOD BLANK: 3911216 Matrix: Water
 Associated Lab Samples: 92649235001, 92649235002, 92649235003, 92649235004, 92649235016, 92649235019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	01/31/23 13:37	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	01/31/23 13:37	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	01/31/23 13:37	

LABORATORY CONTROL SAMPLE: 3911217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.0	100	80-120	

LABORATORY CONTROL SAMPLE: 3911218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.4	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3911219 3911220

Parameter	Units	3911219		3911220		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO3	mg/L	30.3	50	80.3	50	100	97	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3911221 3911222

Parameter	Units	3911221		3911222		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO3	mg/L	71.0	50	125	50	107	112	80-120	2	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 752821 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92649235006, 92649235013, 92649235018

METHOD BLANK: 3911247 Matrix: Water
 Associated Lab Samples: 92649235006, 92649235013, 92649235018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	01/31/23 17:27	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	01/31/23 17:27	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	01/31/23 17:27	

LABORATORY CONTROL SAMPLE: 3911248

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.2	100	80-120	

LABORATORY CONTROL SAMPLE: 3911249

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.1	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3912791 3912792

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		Result	Conc.	Result	Conc.							
Alkalinity, Total as CaCO3	mg/L	42.5	50	50	50	92.1	91.9	99	99	80-120	0	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3912793 3912794

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		Result	Conc.	Result	Conc.							
Alkalinity, Total as CaCO3	mg/L	9.5	50	50	50	61.0	60.8	103	103	80-120	0	25

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	753106	Analysis Method:	SM 2320B-2011
QC Batch Method:	SM 2320B-2011	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92649235005, 92649235007, 92649235010, 92649235011, 92649235012, 92649235014, 92649235015, 92649235017, 92649235020		

METHOD BLANK:	3912854	Matrix:	Water
Associated Lab Samples:	92649235005, 92649235007, 92649235010, 92649235011, 92649235012, 92649235014, 92649235015, 92649235017, 92649235020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/01/23 11:49	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/01/23 11:49	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/01/23 11:49	

LABORATORY CONTROL SAMPLE: 3912855						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.4	99	80-120	

LABORATORY CONTROL SAMPLE: 3912856						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.8	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3912857												3912858	
Parameter	Units	92649594001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Alkalinity, Total as CaCO3	mg/L	45.7	50	50	94.7	98.3	98	105	80-120	4	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3912859												3912860	
Parameter	Units	92649594002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Alkalinity, Total as CaCO3	mg/L	41.4	50	50	91.0	92.4	99	102	80-120	2	25		

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92649235

QC Batch: 753731 Analysis Method: SM 2320B-2011
QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92649235021, 92649235022, 92649235023, 92649235024, 92649235025, 92649235026, 92649235027, 92649235028, 92649235029, 92649235030, 92649235031, 92649235032, 92649235033

METHOD BLANK: 3916040 Matrix: Water
Associated Lab Samples: 92649235021, 92649235022, 92649235023, 92649235024, 92649235025, 92649235026, 92649235027, 92649235028, 92649235029, 92649235030, 92649235031, 92649235032, 92649235033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/03/23 17:35	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/03/23 17:35	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/03/23 17:35	

LABORATORY CONTROL SAMPLE: 3916041

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	80-120	

LABORATORY CONTROL SAMPLE: 3916042

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.9	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3916043 3916044

Parameter	Units	92649819001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	16.6	50	50	67.3	68.8	101	104	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3916045 3916046

Parameter	Units	92649824001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	16.8	50	50	68.5	69.0	104	105	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 753922

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92649235034, 92649235035, 92649235036

METHOD BLANK: 3916725

Matrix: Water

Associated Lab Samples: 92649235034, 92649235035, 92649235036

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/04/23 16:09	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/04/23 16:09	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/04/23 16:09	

LABORATORY CONTROL SAMPLE: 3916726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.6	99	80-120	

LABORATORY CONTROL SAMPLE: 3916727

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3916728 3916729

Parameter	Units	92649235035		3916728		3916729		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					MSD % Rec
Alkalinity, Total as CaCO3	mg/L	214	50	50	284	279	141	130	2	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3916730 3916731

Parameter	Units	92649235036		3916730		3916731		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				
Alkalinity, Total as CaCO3	mg/L	160	50	50	222	218	124	117	2	25	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1
 Pace Project No.: 92649235

QC Batch: 753923 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92649235037, 92649235038, 92649235039

METHOD BLANK: 3916736 Matrix: Water
 Associated Lab Samples: 92649235037, 92649235038, 92649235039

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/04/23 19:54	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/04/23 19:54	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/04/23 19:54	

LABORATORY CONTROL SAMPLE: 3916737

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.2	98	80-120	

LABORATORY CONTROL SAMPLE: 3916738

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.7	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3916739 3916740

Parameter	Units	3916739		3916740		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO3	mg/L	21.3	50	71.3	50	100	97	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3916741 3916742

Parameter	Units	3916741		3916742		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO3	mg/L	68.7	50	121	50	105	104	80-120	0	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 754305

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92649235040, 92649235041, 92649235042, 92649235043, 92649235044, 92649235045, 92649235046, 92649235047

METHOD BLANK: 3918541

Matrix: Water

Associated Lab Samples: 92649235040, 92649235041, 92649235042, 92649235043, 92649235044, 92649235045, 92649235046, 92649235047

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/07/23 16:56	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/07/23 16:56	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/07/23 16:56	

LABORATORY CONTROL SAMPLE: 3918542

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.3	107	80-120	

LABORATORY CONTROL SAMPLE: 3918543

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.3	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3918544 3918545

Parameter	Units	3918544		3918545		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	69.9	50	50	128	133	116	127	80-120	4	25 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3918546 3918547

Parameter	Units	3918546		3918547		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	118	50	50	163	166	91	98	80-120	2	25

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QUALITY CONTROL DATA

Project: Bowen AP-1
 Pace Project No.: 92649235

QC Batch: 754978 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92649235049, 92649235050, 92649235051, 92649235052, 92649235053

METHOD BLANK: 3922397 Matrix: Water
 Associated Lab Samples: 92649235049, 92649235050, 92649235051, 92649235052, 92649235053

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/14/23 13:51	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/14/23 13:51	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/14/23 13:51	

LABORATORY CONTROL SAMPLE: 3922398

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

LABORATORY CONTROL SAMPLE: 3922399

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.5	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3922400 3922401

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result						
Alkalinity, Total as CaCO3	mg/L	59.5	50	50	112	113	104	107	80-120	1	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3922402 3922403

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result						
Alkalinity, Total as CaCO3	mg/L	20.0	50	50	71.0	72.3	102	105	80-120	2	25

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QUALITY CONTROL DATA

Project: Bowen AP-1
 Pace Project No.: 92649235

QC Batch: 755290 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92649235048

METHOD BLANK: 3924443 Matrix: Water
 Associated Lab Samples: 92649235048

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/10/23 17:47	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/10/23 17:47	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/10/23 17:47	

LABORATORY CONTROL SAMPLE: 3924444

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.7	99	80-120	

LABORATORY CONTROL SAMPLE: 3924445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3924446 3924447

Parameter	Units	3924446		3924447		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651074002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	258	50	50	311	318	108	120	80-120	2	25

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QUALITY CONTROL DATA

Project: Bowen AP-1
 Pace Project No.: 92649235

QC Batch: 755965 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92649235054, 92649235055, 92649235056, 92649235057, 92649235058

METHOD BLANK: 3927497 Matrix: Water
 Associated Lab Samples: 92649235054, 92649235055, 92649235056, 92649235057, 92649235058

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/16/23 10:05	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/16/23 10:05	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/16/23 10:05	

LABORATORY CONTROL SAMPLE: 3927498

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.9	100	80-120	

LABORATORY CONTROL SAMPLE: 3927499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3927500 3927501

Parameter	Units	92649235057		92649235058		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result									MSD Result
Alkalinity, Total as CaCO3	mg/L	149	50	50	207	210	116	123	80-120	2	25	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3927502 3927503

Parameter	Units	92649235058		92649235057		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	ND	50	50	50.0	50.0	100	100	80-120	0	25		

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QUALITY CONTROL DATA

Project: Bowen AP-1
 Pace Project No.: 92649235

QC Batch: 755971 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92649235059

METHOD BLANK: 3927526 Matrix: Water
 Associated Lab Samples: 92649235059

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/16/23 13:44	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/16/23 13:44	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/16/23 13:44	

LABORATORY CONTROL SAMPLE: 3927527

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.5	101	80-120	

LABORATORY CONTROL SAMPLE: 3927528

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3927529 3927530

Parameter	Units	3927529		3927530		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651219006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Alkalinity, Total as CaCO3	mg/L	186	50	50	248	250	125	129	80-120	1	25 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3927531 3927532

Parameter	Units	3927531		3927532		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651219007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	167	50	50	225	233	115	133	80-120	4	25 M1

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 757176

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92649235008, 92649235009

METHOD BLANK: 3933590

Matrix: Water

Associated Lab Samples: 92649235008, 92649235009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/21/23 17:45	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 17:45	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 17:45	

LABORATORY CONTROL SAMPLE: 3933591

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.7	99	80-120	

LABORATORY CONTROL SAMPLE: 3933592

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933593 3933594

Parameter	Units	3933593		3933594		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO3	mg/L	23.3	50	71.4	50	96	101	80-120	3	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933595 3933596

Parameter	Units	3933595		3933596		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO3	mg/L	82.0	50	135	50	107	109	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	752806	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92649235001, 92649235002, 92649235003, 92649235004, 92649235005, 92649235006, 92649235007, 92649235008, 92649235009, 92649235010, 92649235011, 92649235012, 92649235013, 92649235014, 92649235015, 92649235016, 92649235017		

METHOD BLANK:	3911171	Matrix:	Water
Associated Lab Samples:	92649235001, 92649235002, 92649235003, 92649235004, 92649235005, 92649235006, 92649235007, 92649235008, 92649235009, 92649235010, 92649235011, 92649235012, 92649235013, 92649235014, 92649235015, 92649235016, 92649235017		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	01/31/23 23:42	
Fluoride	mg/L	ND	0.10	0.050	01/31/23 23:42	
Sulfate	mg/L	ND	1.0	0.50	01/31/23 23:42	

LABORATORY CONTROL SAMPLE: 3911172						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.5	99	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	48.6	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3911173												3911174	
Parameter	Units	92649389001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
													Chloride	mg/L	416	50	50	441	441	49	49	90-110	0	10	M1
Fluoride	mg/L	0.10	2.5	2.5	2.5	2.6	96	98	90-110	2	10		
Sulfate	mg/L	6.6	50	50	55.9	56.4	99	100	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3911175												3911176	
Parameter	Units	92649235008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
													Chloride	mg/L	14.5	50	50	65.6	66.2	102	103	90-110	1	10
Fluoride	mg/L	0.083J	2.5	2.5	2.6	2.6	100	102	90-110	1	10		
Sulfate	mg/L	463	50	50	517	516	109	107	90-110	0	10		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 752813 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92649235018, 92649235019, 92649235020

METHOD BLANK: 3911193 Matrix: Water
 Associated Lab Samples: 92649235018, 92649235019, 92649235020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/01/23 08:25	
Fluoride	mg/L	ND	0.10	0.050	02/01/23 08:25	
Sulfate	mg/L	ND	1.0	0.50	02/01/23 08:25	

LABORATORY CONTROL SAMPLE: 3911194

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.5	99	90-110	
Fluoride	mg/L	2.5	2.6	102	90-110	
Sulfate	mg/L	50	48.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3911195 3911196

Parameter	Units	92649235018		3911195		3911196		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	ND	ND	50	50	51.2	51.7	102	103	90-110	1	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.5	2.6	102	103	90-110	1	10	
Sulfate	mg/L	0.57J	0.57J	50	50	49.3	50.0	97	99	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3911197 3911198

Parameter	Units	92649377008		3911197		3911198		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	7.7	7.7	50	50	59.0	59.3	103	103	90-110	0	10	
Fluoride	mg/L	0.098J	0.098J	2.5	2.5	2.6	2.6	99	101	90-110	1	10	
Sulfate	mg/L	214	214	50	50	262	265	96	101	90-110	1	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 753396 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92649235021, 92649235022, 92649235023

METHOD BLANK: 3914289 Matrix: Water
 Associated Lab Samples: 92649235021, 92649235022, 92649235023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/03/23 10:31	
Fluoride	mg/L	ND	0.10	0.050	02/03/23 10:31	
Sulfate	mg/L	ND	1.0	0.50	02/03/23 10:31	

LABORATORY CONTROL SAMPLE: 3914290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.2	104	90-110	
Fluoride	mg/L	2.5	2.7	106	90-110	
Sulfate	mg/L	50	52.3	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3914291 3914292

Parameter	Units	92649872013		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	4.1	50	50	54.2	54.6	100	101	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	100	101	90-110	1	10		
Sulfate	mg/L	2.8	50	50	52.9	53.3	100	101	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3914293 3914294

Parameter	Units	92649378004		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	83.4	50	50	124	123	80	80	90-110	0	10	M1	
Fluoride	mg/L	0.087J	2.5	2.5	2.6	2.6	101	101	90-110	0	10		
Sulfate	mg/L	895	50	50	936	932	82	75	90-110	0	10	M1	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92649235

QC Batch: 753659 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92649235024, 92649235025, 92649235026, 92649235027, 92649235028, 92649235029, 92649235030, 92649235031, 92649235032, 92649235033

METHOD BLANK: 3915742 Matrix: Water
Associated Lab Samples: 92649235024, 92649235025, 92649235026, 92649235027, 92649235028, 92649235029, 92649235030, 92649235031, 92649235032, 92649235033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/03/23 15:22	
Fluoride	mg/L	ND	0.10	0.050	02/03/23 15:22	
Sulfate	mg/L	ND	1.0	0.50	02/03/23 15:22	

LABORATORY CONTROL SAMPLE: 3915743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.7	101	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	48.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3915744 3915745

Parameter	Units	92649362001		3915745		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	ND	50	50	49.2	49.4	98	98	90-110	0	10
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	96	96	90-110	1	10
Sulfate	mg/L	ND	50	50	46.9	47.1	94	94	90-110	0	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3915746 3915747

Parameter	Units	92649235027		3915747		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	156	50	50	206	206	100	101	90-110	0	10
Fluoride	mg/L	0.064J	2.5	2.5	2.4	2.5	95	96	90-110	1	10
Sulfate	mg/L	622	50	50	669	669	94	94	90-110	0	10

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch:	753994	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92649235034, 92649235035, 92649235036, 92649235037, 92649235038, 92649235039, 92649235040, 92649235041, 92649235042, 92649235043, 92649235044, 92649235045, 92649235046, 92649235047		

METHOD BLANK:	3916906	Matrix:	Water
Associated Lab Samples:	92649235034, 92649235035, 92649235036, 92649235037, 92649235038, 92649235039, 92649235040, 92649235041, 92649235042, 92649235043, 92649235044, 92649235045, 92649235046, 92649235047		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/06/23 19:44	
Fluoride	mg/L	ND	0.10	0.050	02/06/23 19:44	
Sulfate	mg/L	ND	1.0	0.50	02/06/23 19:44	

LABORATORY CONTROL SAMPLE: 3916907						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.0	102	90-110	
Fluoride	mg/L	2.5	2.7	110	90-110	
Sulfate	mg/L	50	52.1	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3916908												3916909	
Parameter	Units	92649235038 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Chloride	mg/L	ND	50	50	51.7	51.9	103	104	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	100	101	90-110	1	10		
Sulfate	mg/L	ND	50	50	52.1	52.3	104	105	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3916910												3916911	
Parameter	Units	92649235046 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Chloride	mg/L	ND	50	50	53.0	54.4	106	108	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	103	106	90-110	3	10		
Sulfate	mg/L	ND	50	50	53.5	54.8	107	110	90-110	2	10		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92649235

QC Batch: 754806 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92649235048, 92649235049, 92649235050, 92649235051, 92649235052, 92649235053

METHOD BLANK: 3921454 Matrix: Water
 Associated Lab Samples: 92649235048, 92649235049, 92649235050, 92649235051, 92649235052, 92649235053

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/09/23 12:16	
Fluoride	mg/L	ND	0.10	0.050	02/09/23 12:16	
Sulfate	mg/L	ND	1.0	0.50	02/09/23 12:16	

LABORATORY CONTROL SAMPLE: 3921455

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3921456 3921457

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651076001 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	8.1	50	50	57.1	58.3	98	100	90-110	2	10		
Fluoride	mg/L	0.066J	2.5	2.5	2.5	2.5	96	99	90-110	3	10		
Sulfate	mg/L	6.0	50	50	55.2	56.4	98	101	90-110	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3921458 3921459

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92650182014 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	19.9	50	50	69.2	70.0	99	100	90-110	1	10		
Fluoride	mg/L	0.85	2.5	2.5	3.5	3.5	107	108	90-110	0	10		
Sulfate	mg/L	296	50	50	334	343	75	94	90-110	3	10 M1		

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QUALITY CONTROL DATA

Project: Bowen AP-1
 Pace Project No.: 92649235

QC Batch: 755677 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92649235054

METHOD BLANK: 3926115 Matrix: Water
 Associated Lab Samples: 92649235054

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/14/23 23:36	
Fluoride	mg/L	ND	0.10	0.050	02/14/23 23:36	
Sulfate	mg/L	ND	1.0	0.50	02/14/23 23:36	

LABORATORY CONTROL SAMPLE: 3926116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.2	100	90-110	
Fluoride	mg/L	2.5	2.7	107	90-110	
Sulfate	mg/L	50	50.4	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3926117 3926118

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651580020	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	ND	50	50	50	51.6	52.4	103	104	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	2.7	105	107	90-110	2	10	
Sulfate	mg/L	ND	50	50	50	51.2	52.2	102	104	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3926119 3926120

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651824004	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	2.4	2.4	50	50	53.9	55.9	103	107	90-110	4	10	
Fluoride	mg/L	0.27	0.27	2.5	2.5	3.0	3.1	107	112	90-110	4	10 M1	
Sulfate	mg/L	15.4	15.4	50	50	66.4	68.6	102	106	90-110	3	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1
Pace Project No.: 92649235

QC Batch: 755682 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92649235055, 92649235056, 92649235057, 92649235058, 92649235059

METHOD BLANK: 3926132 Matrix: Water
Associated Lab Samples: 92649235055, 92649235056, 92649235057, 92649235058, 92649235059

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/14/23 15:21	
Fluoride	mg/L	ND	0.10	0.050	02/14/23 15:21	
Sulfate	mg/L	ND	1.0	0.50	02/14/23 15:21	

LABORATORY CONTROL SAMPLE: 3926133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.7	99	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.1	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3926134 3926135

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235055 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	93.7	50	50	50	140	141	92	94	90-110	1	10	
Fluoride	mg/L	0.11	2.5	2.5	2.5	2.9	2.9	111	111	90-110	0	10	M1
Sulfate	mg/L	42.6	50	50	50	96.6	96.7	108	108	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3926136 3926137

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651771006 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	2.6	50	50	50	57.2	57.7	109	110	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.8	2.8	108	109	90-110	1	10	
Sulfate	mg/L	2.4	50	50	50	57.0	57.4	109	110	90-110	1	10	

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QUALIFIERS

Project: Bowen AP-1
Pace Project No.: 92649235

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1g	Sample residue exceeded method SM 2540C recommended 200 mg.
B	Analyte was detected in the associated method blank.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the EPA method holding time.
H2	Extraction or preparation conducted outside EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
 Pace Project No.: 92649235

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649235001	BOW-BGWA-2				
92649235002	BOW-BGWA-29				
92649235003	BOW-BGWA-47D				
92649235004	BOW-BGWA-48D				
92649235005	BOW-BGWC-7				
92649235006	BOW-BGWC-8				
92649235007	BOW-BGWC-9				
92649235008	BOW-BGWC-12				
92649235009	BOW-BGWC-14A				
92649235010	BOW-BGWC-16				
92649235011	BOW-BGWC-17				
92649235012	BOW-BGWC-18				
92649235013	BOW-BGWA-6				
92649235014	BOW-BGWC-44D				
92649235017	BOW-BGWC-50D				
92649235021	BOW-BGWC-10				
92649235022	BOW-BGWC-19				
92649235023	BOW-BGWC-21				
92649235024	BOW-BGWC-25				
92649235025	BOW-BGWC-31				
92649235027	BOW-BGWC-20				
92649235028	BOW-BGWC-34D				
92649235029	BOW-BGWC-35D				
92649235030	BOW-BGWC-37D				
92649235031	BOW-BGWC-42D				
92649235034	BOW-BGWC-32				
92649235035	BOW-BGWC-40				
92649235036	BOW-BGWC-51				
92649235037	BOW-BGWC-52				
92649235040	BOW-BGWC-24				
92649235041	BOW-BGWC-30				
92649235042	BOW-BGWC-36D				
92649235043	BOW-BGWC-41D				
92649235044	BOW-BGWC-49D				
92649235048	BOW-BGWA-33				
92649235049	BOW-BGWC-23				
92649235050	BOW-BGWC-39				
92649235051	BOW-PZ-7				
92649235054	BOW-BGWC-22				
92649235055	BOW-BGWC-38D				
92649235056	BOW-BGWC-43D				
92649235001	BOW-BGWA-2	EPA 3010A	752954	EPA 6010D	753084
92649235002	BOW-BGWA-29	EPA 3010A	752954	EPA 6010D	753084
92649235003	BOW-BGWA-47D	EPA 3010A	752954	EPA 6010D	753084
92649235004	BOW-BGWA-48D	EPA 3010A	752954	EPA 6010D	753084
92649235005	BOW-BGWC-7	EPA 3010A	752954	EPA 6010D	753084
92649235006	BOW-BGWC-8	EPA 3010A	752954	EPA 6010D	753084
92649235007	BOW-BGWC-9	EPA 3010A	752954	EPA 6010D	753084

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92649235

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649235008	BOW-BGWC-12	EPA 3010A	752954	EPA 6010D	753084
92649235009	BOW-BGWC-14A	EPA 3010A	752954	EPA 6010D	753084
92649235010	BOW-BGWC-16	EPA 3010A	752954	EPA 6010D	753084
92649235011	BOW-BGWC-17	EPA 3010A	752954	EPA 6010D	753084
92649235012	BOW-BGWC-18	EPA 3010A	752954	EPA 6010D	753084
92649235013	BOW-BGWA-6	EPA 3010A	752954	EPA 6010D	753084
92649235014	BOW-BGWC-44D	EPA 3010A	752954	EPA 6010D	753084
92649235015	BOW-AP1-FD-02	EPA 3010A	752954	EPA 6010D	753084
92649235016	BOW-AP1-FD-01	EPA 3010A	752954	EPA 6010D	753084
92649235017	BOW-BGWC-50D	EPA 3010A	752954	EPA 6010D	753084
92649235018	BOW-AP1-FB-02	EPA 3010A	752954	EPA 6010D	753084
92649235019	BOW-AP1-FB-01	EPA 3010A	752954	EPA 6010D	753084
92649235020	BOW-AP1-FB-03	EPA 3010A	752954	EPA 6010D	753084
92649235021	BOW-BGWC-10	EPA 3010A	757480	EPA 6010D	757672
92649235022	BOW-BGWC-19	EPA 3010A	757480	EPA 6010D	757672
92649235023	BOW-BGWC-21	EPA 3010A	757480	EPA 6010D	757672
92649235024	BOW-BGWC-25	EPA 3010A	757480	EPA 6010D	757672
92649235025	BOW-BGWC-31	EPA 3010A	757480	EPA 6010D	757672
92649235026	BOW-AP1-FB-04	EPA 3010A	757480	EPA 6010D	757672
92649235027	BOW-BGWC-20	EPA 3010A	757480	EPA 6010D	757672
92649235028	BOW-BGWC-34D	EPA 3010A	757480	EPA 6010D	757672
92649235029	BOW-BGWC-35D	EPA 3010A	757480	EPA 6010D	757672
92649235030	BOW-BGWC-37D	EPA 3010A	757480	EPA 6010D	757672
92649235031	BOW-BGWC-42D	EPA 3010A	757480	EPA 6010D	757672
92649235032	BOW-AP1-FD-03	EPA 3010A	757480	EPA 6010D	757672
92649235033	BOW-AP1-FB-05	EPA 3010A	757480	EPA 6010D	757672
92649235034	BOW-BGWC-32	EPA 3010A	757480	EPA 6010D	757672
92649235035	BOW-BGWC-40	EPA 3010A	757480	EPA 6010D	757672
92649235036	BOW-BGWC-51	EPA 3010A	757480	EPA 6010D	757672
92649235037	BOW-BGWC-52	EPA 3010A	757480	EPA 6010D	757672
92649235038	BOW-AP1-EB-01	EPA 3010A	757480	EPA 6010D	757672
92649235039	BOW-AP1-FB-06	EPA 3010A	757480	EPA 6010D	757672
92649235040	BOW-BGWC-24	EPA 3010A	757480	EPA 6010D	757672
92649235041	BOW-BGWC-30	EPA 3010A	757680	EPA 6010D	757761
92649235042	BOW-BGWC-36D	EPA 3010A	757680	EPA 6010D	757761
92649235043	BOW-BGWC-41D	EPA 3010A	757680	EPA 6010D	757761
92649235044	BOW-BGWC-49D	EPA 3010A	757680	EPA 6010D	757761
92649235045	BOW-AP1-FD-04	EPA 3010A	757680	EPA 6010D	757761
92649235046	BOW-AP1-EB-02	EPA 3010A	757680	EPA 6010D	757761
92649235047	BOW-AP1-FB-07	EPA 3010A	757680	EPA 6010D	757761
92649235048	BOW-BGWA-33	EPA 3010A	757680	EPA 6010D	757761
92649235049	BOW-BGWC-23	EPA 3010A	757680	EPA 6010D	757761
92649235050	BOW-BGWC-39	EPA 3010A	757680	EPA 6010D	757761
92649235051	BOW-PZ-7	EPA 3010A	757805	EPA 6010D	757930
92649235052	BOW-AP1-EB-03	EPA 3010A	757805	EPA 6010D	757930
92649235053	BOW-AP1-FB-08	EPA 3010A	757805	EPA 6010D	757930
92649235054	BOW-BGWC-22	EPA 3010A	757805	EPA 6010D	757930

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92649235

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649235055	BOW-BGWC-38D	EPA 3010A	757805	EPA 6010D	757930
92649235056	BOW-BGWC-43D	EPA 3010A	757805	EPA 6010D	757930
92649235057	BOW-AP1-FD-05	EPA 3010A	757805	EPA 6010D	757930
92649235058	BOW-AP1-EB-04	EPA 3010A	757805	EPA 6010D	757930
92649235059	BOW-AP1-FB-9	EPA 3010A	757805	EPA 6010D	757930
92649235001	BOW-BGWA-2	EPA 3005A	753120	EPA 6020B	753253
92649235002	BOW-BGWA-29	EPA 3005A	753120	EPA 6020B	753253
92649235003	BOW-BGWA-47D	EPA 3005A	753120	EPA 6020B	753253
92649235004	BOW-BGWA-48D	EPA 3005A	753120	EPA 6020B	753253
92649235005	BOW-BGWC-7	EPA 3005A	753120	EPA 6020B	753253
92649235006	BOW-BGWC-8	EPA 3005A	753120	EPA 6020B	753253
92649235007	BOW-BGWC-9	EPA 3005A	753120	EPA 6020B	753253
92649235008	BOW-BGWC-12	EPA 3005A	753120	EPA 6020B	753253
92649235009	BOW-BGWC-14A	EPA 3005A	753120	EPA 6020B	753253
92649235010	BOW-BGWC-16	EPA 3005A	753120	EPA 6020B	753253
92649235011	BOW-BGWC-17	EPA 3005A	753120	EPA 6020B	753253
92649235012	BOW-BGWC-18	EPA 3005A	753122	EPA 6020B	753262
92649235013	BOW-BGWA-6	EPA 3005A	753122	EPA 6020B	753262
92649235014	BOW-BGWC-44D	EPA 3005A	758264	EPA 6020B	758347
92649235015	BOW-AP1-FD-02	EPA 3005A	758264	EPA 6020B	758347
92649235016	BOW-AP1-FD-01	EPA 3005A	758264	EPA 6020B	758347
92649235017	BOW-BGWC-50D	EPA 3005A	758264	EPA 6020B	758347
92649235018	BOW-AP1-FB-02	EPA 3005A	758264	EPA 6020B	758347
92649235019	BOW-AP1-FB-01	EPA 3005A	758264	EPA 6020B	758347
92649235020	BOW-AP1-FB-03	EPA 3005A	758264	EPA 6020B	758347
92649235021	BOW-BGWC-10	EPA 3005A	758264	EPA 6020B	758347
92649235022	BOW-BGWC-19	EPA 3005A	758264	EPA 6020B	758347
92649235023	BOW-BGWC-21	EPA 3005A	758264	EPA 6020B	758347
92649235024	BOW-BGWC-25	EPA 3005A	758264	EPA 6020B	758347
92649235025	BOW-BGWC-31	EPA 3005A	758264	EPA 6020B	758347
92649235026	BOW-AP1-FB-04	EPA 3005A	758264	EPA 6020B	758347
92649235027	BOW-BGWC-20	EPA 3005A	758264	EPA 6020B	758347
92649235028	BOW-BGWC-34D	EPA 3005A	758264	EPA 6020B	758347
92649235029	BOW-BGWC-35D	EPA 3005A	758264	EPA 6020B	758347
92649235030	BOW-BGWC-37D	EPA 3005A	758264	EPA 6020B	758347
92649235031	BOW-BGWC-42D	EPA 3005A	758264	EPA 6020B	758347
92649235032	BOW-AP1-FD-03	EPA 3005A	758321	EPA 6020B	758444
92649235033	BOW-AP1-FB-05	EPA 3005A	758321	EPA 6020B	758444
92649235034	BOW-BGWC-32	EPA 3005A	758321	EPA 6020B	758444
92649235035	BOW-BGWC-40	EPA 3005A	758321	EPA 6020B	758444
92649235036	BOW-BGWC-51	EPA 3005A	758321	EPA 6020B	758444
92649235037	BOW-BGWC-52	EPA 3005A	758321	EPA 6020B	758444
92649235038	BOW-AP1-EB-01	EPA 3005A	758321	EPA 6020B	758444
92649235039	BOW-AP1-FB-06	EPA 3005A	758321	EPA 6020B	758444
92649235040	BOW-BGWC-24	EPA 3005A	758321	EPA 6020B	758444
92649235041	BOW-BGWC-30	EPA 3005A	758321	EPA 6020B	758444
92649235042	BOW-BGWC-36D	EPA 3005A	758321	EPA 6020B	758444

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92649235

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649235043	BOW-BGWC-41D	EPA 3005A	758321	EPA 6020B	758444
92649235044	BOW-BGWC-49D	EPA 3005A	758321	EPA 6020B	758444
92649235045	BOW-AP1-FD-04	EPA 3005A	758321	EPA 6020B	758444
92649235046	BOW-AP1-EB-02	EPA 3005A	758321	EPA 6020B	758444
92649235047	BOW-AP1-FB-07	EPA 3005A	758321	EPA 6020B	758444
92649235048	BOW-BGWA-33	EPA 3005A	758321	EPA 6020B	758444
92649235049	BOW-BGWC-23	EPA 3005A	758321	EPA 6020B	758444
92649235050	BOW-BGWC-39	EPA 3005A	758321	EPA 6020B	758444
92649235051	BOW-PZ-7	EPA 3005A	758321	EPA 6020B	758444
92649235052	BOW-AP1-EB-03	EPA 3005A	758324	EPA 6020B	758562
92649235053	BOW-AP1-FB-08	EPA 3005A	758324	EPA 6020B	758562
92649235054	BOW-BGWC-22	EPA 3005A	758324	EPA 6020B	758562
92649235055	BOW-BGWC-38D	EPA 3005A	758324	EPA 6020B	758562
92649235056	BOW-BGWC-43D	EPA 3005A	758324	EPA 6020B	758562
92649235057	BOW-AP1-FD-05	EPA 3005A	758324	EPA 6020B	758562
92649235058	BOW-AP1-EB-04	EPA 3005A	758324	EPA 6020B	758562
92649235059	BOW-AP1-FB-9	EPA 3005A	758324	EPA 6020B	758562
92649235001	BOW-BGWA-2	EPA 7470A	756331	EPA 7470A	756516
92649235002	BOW-BGWA-29	EPA 7470A	756331	EPA 7470A	756516
92649235003	BOW-BGWA-47D	EPA 7470A	756331	EPA 7470A	756516
92649235004	BOW-BGWA-48D	EPA 7470A	756331	EPA 7470A	756516
92649235005	BOW-BGWC-7	EPA 7470A	756331	EPA 7470A	756516
92649235006	BOW-BGWC-8	EPA 7470A	756331	EPA 7470A	756516
92649235007	BOW-BGWC-9	EPA 7470A	756331	EPA 7470A	756516
92649235008	BOW-BGWC-12	EPA 7470A	756331	EPA 7470A	756516
92649235009	BOW-BGWC-14A	EPA 7470A	756331	EPA 7470A	756516
92649235010	BOW-BGWC-16	EPA 7470A	756331	EPA 7470A	756516
92649235011	BOW-BGWC-17	EPA 7470A	756331	EPA 7470A	756516
92649235012	BOW-BGWC-18	EPA 7470A	756331	EPA 7470A	756516
92649235013	BOW-BGWA-6	EPA 7470A	756331	EPA 7470A	756516
92649235014	BOW-BGWC-44D	EPA 7470A	756331	EPA 7470A	756516
92649235015	BOW-AP1-FD-02	EPA 7470A	756331	EPA 7470A	756516
92649235016	BOW-AP1-FD-01	EPA 7470A	756331	EPA 7470A	756516
92649235017	BOW-BGWC-50D	EPA 7470A	756331	EPA 7470A	756516
92649235018	BOW-AP1-FB-02	EPA 7470A	756331	EPA 7470A	756516
92649235019	BOW-AP1-FB-01	EPA 7470A	756331	EPA 7470A	756516
92649235020	BOW-AP1-FB-03	EPA 7470A	756331	EPA 7470A	756516
92649235021	BOW-BGWC-10	EPA 7470A	756332	EPA 7470A	756517
92649235022	BOW-BGWC-19	EPA 7470A	756332	EPA 7470A	756517
92649235023	BOW-BGWC-21	EPA 7470A	756332	EPA 7470A	756517
92649235024	BOW-BGWC-25	EPA 7470A	756332	EPA 7470A	756517
92649235025	BOW-BGWC-31	EPA 7470A	756332	EPA 7470A	756517
92649235026	BOW-AP1-FB-04	EPA 7470A	756332	EPA 7470A	756517
92649235027	BOW-BGWC-20	EPA 7470A	756332	EPA 7470A	756517
92649235028	BOW-BGWC-34D	EPA 7470A	756332	EPA 7470A	756517
92649235029	BOW-BGWC-35D	EPA 7470A	756332	EPA 7470A	756517
92649235030	BOW-BGWC-37D	EPA 7470A	756332	EPA 7470A	756517

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92649235

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649235031	BOW-BGWC-42D	EPA 7470A	756332	EPA 7470A	756517
92649235032	BOW-AP1-FD-03	EPA 7470A	756332	EPA 7470A	756517
92649235033	BOW-AP1-FB-05	EPA 7470A	756332	EPA 7470A	756517
92649235034	BOW-BGWC-32	EPA 7470A	756332	EPA 7470A	756517
92649235035	BOW-BGWC-40	EPA 7470A	756332	EPA 7470A	756517
92649235036	BOW-BGWC-51	EPA 7470A	756332	EPA 7470A	756517
92649235037	BOW-BGWC-52	EPA 7470A	756332	EPA 7470A	756517
92649235038	BOW-AP1-EB-01	EPA 7470A	756332	EPA 7470A	756517
92649235039	BOW-AP1-FB-06	EPA 7470A	756332	EPA 7470A	756517
92649235040	BOW-BGWC-24	EPA 7470A	756332	EPA 7470A	756517
92649235041	BOW-BGWC-30	EPA 7470A	758957	EPA 7470A	759041
92649235042	BOW-BGWC-36D	EPA 7470A	758957	EPA 7470A	759041
92649235043	BOW-BGWC-41D	EPA 7470A	758957	EPA 7470A	759041
92649235044	BOW-BGWC-49D	EPA 7470A	758957	EPA 7470A	759041
92649235045	BOW-AP1-FD-04	EPA 7470A	758957	EPA 7470A	759041
92649235046	BOW-AP1-EB-02	EPA 7470A	758957	EPA 7470A	759041
92649235047	BOW-AP1-FB-07	EPA 7470A	758957	EPA 7470A	759041
92649235048	BOW-BGWA-33	EPA 7470A	758957	EPA 7470A	759041
92649235049	BOW-BGWC-23	EPA 7470A	758958	EPA 7470A	759044
92649235050	BOW-BGWC-39	EPA 7470A	758958	EPA 7470A	759044
92649235051	BOW-PZ-7	EPA 7470A	758958	EPA 7470A	759044
92649235052	BOW-AP1-EB-03	EPA 7470A	758958	EPA 7470A	759044
92649235053	BOW-AP1-FB-08	EPA 7470A	758958	EPA 7470A	759044
92649235054	BOW-BGWC-22	EPA 7470A	758958	EPA 7470A	759044
92649235055	BOW-BGWC-38D	EPA 7470A	758958	EPA 7470A	759044
92649235056	BOW-BGWC-43D	EPA 7470A	758958	EPA 7470A	759044
92649235057	BOW-AP1-FD-05	EPA 7470A	758958	EPA 7470A	759044
92649235058	BOW-AP1-EB-04	EPA 7470A	758958	EPA 7470A	759044
92649235059	BOW-AP1-FB-9	EPA 7470A	758958	EPA 7470A	759044
92649235001	BOW-BGWA-2	SM 2540C-2015	752586		
92649235002	BOW-BGWA-29	SM 2540C-2015	752586		
92649235003	BOW-BGWA-47D	SM 2540C-2015	752586		
92649235004	BOW-BGWA-48D	SM 2540C-2015	752586		
92649235005	BOW-BGWC-7	SM 2540C-2015	752586		
92649235006	BOW-BGWC-8	SM 2540C-2015	752586		
92649235007	BOW-BGWC-9	SM 2540C-2015	752586		
92649235008	BOW-BGWC-12	SM 2540C-2015	752586		
92649235009	BOW-BGWC-14A	SM 2540C-2015	752586		
92649235010	BOW-BGWC-16	SM 2540C-2015	752586		
92649235011	BOW-BGWC-17	SM 2540C-2015	752849		
92649235012	BOW-BGWC-18	SM 2540C-2015	752849		
92649235013	BOW-BGWA-6	SM 2540C-2015	752586		
92649235014	BOW-BGWC-44D	SM 2540C-2015	752586		
92649235015	BOW-AP1-FD-02	SM 2540C-2015	752849		
92649235016	BOW-AP1-FD-01	SM 2540C-2015	752586		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92649235

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649235017	BOW-BGWC-50D	SM 2540C-2015	752586		
92649235018	BOW-AP1-FB-02	SM 2540C-2015	752586		
92649235019	BOW-AP1-FB-01	SM 2540C-2015	752586		
92649235020	BOW-AP1-FB-03	SM 2540C-2015	752849		
92649235021	BOW-BGWC-10	SM 2540C-2015	753439		
92649235022	BOW-BGWC-19	SM 2540C-2015	753439		
92649235023	BOW-BGWC-21	SM 2540C-2015	753439		
92649235024	BOW-BGWC-25	SM 2540C-2015	753439		
92649235025	BOW-BGWC-31	SM 2540C-2015	753439		
92649235026	BOW-AP1-FB-04	SM 2540C-2015	753439		
92649235027	BOW-BGWC-20	SM 2540C-2015	753440		
92649235028	BOW-BGWC-34D	SM 2540C-2015	753440		
92649235029	BOW-BGWC-35D	SM 2540C-2015	753440		
92649235030	BOW-BGWC-37D	SM 2540C-2015	753440		
92649235031	BOW-BGWC-42D	SM 2540C-2015	753440		
92649235032	BOW-AP1-FD-03	SM 2540C-2015	753440		
92649235033	BOW-AP1-FB-05	SM 2540C-2015	753440		
92649235034	BOW-BGWC-32	SM 2540C-2015	753781		
92649235035	BOW-BGWC-40	SM 2540C-2015	753781		
92649235036	BOW-BGWC-51	SM 2540C-2015	753781		
92649235037	BOW-BGWC-52	SM 2540C-2015	753781		
92649235038	BOW-AP1-EB-01	SM 2540C-2015	753781		
92649235039	BOW-AP1-FB-06	SM 2540C-2015	753781		
92649235040	BOW-BGWC-24	SM 2540C-2015	754576		
92649235041	BOW-BGWC-30	SM 2540C-2015	754074		
92649235042	BOW-BGWC-36D	SM 2540C-2015	754074		
92649235043	BOW-BGWC-41D	SM 2540C-2015	754074		
92649235044	BOW-BGWC-49D	SM 2540C-2015	754074		
92649235045	BOW-AP1-FD-04	SM 2540C-2015	754576		
92649235046	BOW-AP1-EB-02	SM 2540C-2015	754074		
92649235047	BOW-AP1-FB-07	SM 2540C-2015	754074		
92649235048	BOW-BGWA-33	SM 2540C-2015	754576		
92649235049	BOW-BGWC-23	SM 2540C-2015	754576		
92649235050	BOW-BGWC-39	SM 2540C-2015	754576		
92649235051	BOW-PZ-7	SM 2540C-2015	754576		
92649235052	BOW-AP1-EB-03	SM 2540C-2015	754576		
92649235053	BOW-AP1-FB-08	SM 2540C-2015	754576		
92649235054	BOW-BGWC-22	SM 2540C-2015	755437		
92649235055	BOW-BGWC-38D	SM 2540C-2015	755437		
92649235056	BOW-BGWC-43D	SM 2540C-2015	755437		
92649235057	BOW-AP1-FD-05	SM 2540C-2015	755437		
92649235058	BOW-AP1-EB-04	SM 2540C-2015	755437		
92649235059	BOW-AP1-FB-9	SM 2540C-2015	755437		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92649235

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649235001	BOW-BGWA-2	SM 2320B-2011	752818		
92649235002	BOW-BGWA-29	SM 2320B-2011	752818		
92649235003	BOW-BGWA-47D	SM 2320B-2011	752818		
92649235004	BOW-BGWA-48D	SM 2320B-2011	752818		
92649235005	BOW-BGWC-7	SM 2320B-2011	753106		
92649235006	BOW-BGWC-8	SM 2320B-2011	752821		
92649235007	BOW-BGWC-9	SM 2320B-2011	753106		
92649235008	BOW-BGWC-12	SM 2320B-2011	757176		
92649235009	BOW-BGWC-14A	SM 2320B-2011	757176		
92649235010	BOW-BGWC-16	SM 2320B-2011	753106		
92649235011	BOW-BGWC-17	SM 2320B-2011	753106		
92649235012	BOW-BGWC-18	SM 2320B-2011	753106		
92649235013	BOW-BGWA-6	SM 2320B-2011	752821		
92649235014	BOW-BGWC-44D	SM 2320B-2011	753106		
92649235015	BOW-AP1-FD-02	SM 2320B-2011	753106		
92649235016	BOW-AP1-FD-01	SM 2320B-2011	752818		
92649235017	BOW-BGWC-50D	SM 2320B-2011	753106		
92649235018	BOW-AP1-FB-02	SM 2320B-2011	752821		
92649235019	BOW-AP1-FB-01	SM 2320B-2011	752818		
92649235020	BOW-AP1-FB-03	SM 2320B-2011	753106		
92649235021	BOW-BGWC-10	SM 2320B-2011	753731		
92649235022	BOW-BGWC-19	SM 2320B-2011	753731		
92649235023	BOW-BGWC-21	SM 2320B-2011	753731		
92649235024	BOW-BGWC-25	SM 2320B-2011	753731		
92649235025	BOW-BGWC-31	SM 2320B-2011	753731		
92649235026	BOW-AP1-FB-04	SM 2320B-2011	753731		
92649235027	BOW-BGWC-20	SM 2320B-2011	753731		
92649235028	BOW-BGWC-34D	SM 2320B-2011	753731		
92649235029	BOW-BGWC-35D	SM 2320B-2011	753731		
92649235030	BOW-BGWC-37D	SM 2320B-2011	753731		
92649235031	BOW-BGWC-42D	SM 2320B-2011	753731		
92649235032	BOW-AP1-FD-03	SM 2320B-2011	753731		
92649235033	BOW-AP1-FB-05	SM 2320B-2011	753731		
92649235034	BOW-BGWC-32	SM 2320B-2011	753922		
92649235035	BOW-BGWC-40	SM 2320B-2011	753922		
92649235036	BOW-BGWC-51	SM 2320B-2011	753922		
92649235037	BOW-BGWC-52	SM 2320B-2011	753923		
92649235038	BOW-AP1-EB-01	SM 2320B-2011	753923		
92649235039	BOW-AP1-FB-06	SM 2320B-2011	753923		
92649235040	BOW-BGWC-24	SM 2320B-2011	754305		
92649235041	BOW-BGWC-30	SM 2320B-2011	754305		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
Pace Project No.: 92649235

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649235042	BOW-BGWC-36D	SM 2320B-2011	754305		
92649235043	BOW-BGWC-41D	SM 2320B-2011	754305		
92649235044	BOW-BGWC-49D	SM 2320B-2011	754305		
92649235045	BOW-AP1-FD-04	SM 2320B-2011	754305		
92649235046	BOW-AP1-EB-02	SM 2320B-2011	754305		
92649235047	BOW-AP1-FB-07	SM 2320B-2011	754305		
92649235048	BOW-BGWA-33	SM 2320B-2011	755290		
92649235049	BOW-BGWC-23	SM 2320B-2011	754978		
92649235050	BOW-BGWC-39	SM 2320B-2011	754978		
92649235051	BOW-PZ-7	SM 2320B-2011	754978		
92649235052	BOW-AP1-EB-03	SM 2320B-2011	754978		
92649235053	BOW-AP1-FB-08	SM 2320B-2011	754978		
92649235054	BOW-BGWC-22	SM 2320B-2011	755965		
92649235055	BOW-BGWC-38D	SM 2320B-2011	755965		
92649235056	BOW-BGWC-43D	SM 2320B-2011	755965		
92649235057	BOW-AP1-FD-05	SM 2320B-2011	755965		
92649235058	BOW-AP1-EB-04	SM 2320B-2011	755965		
92649235059	BOW-AP1-FB-9	SM 2320B-2011	755971		
92649235001	BOW-BGWA-2	EPA 300.0 Rev 2.1 1993	752806		
92649235002	BOW-BGWA-29	EPA 300.0 Rev 2.1 1993	752806		
92649235003	BOW-BGWA-47D	EPA 300.0 Rev 2.1 1993	752806		
92649235004	BOW-BGWA-48D	EPA 300.0 Rev 2.1 1993	752806		
92649235005	BOW-BGWC-7	EPA 300.0 Rev 2.1 1993	752806		
92649235006	BOW-BGWC-8	EPA 300.0 Rev 2.1 1993	752806		
92649235007	BOW-BGWC-9	EPA 300.0 Rev 2.1 1993	752806		
92649235008	BOW-BGWC-12	EPA 300.0 Rev 2.1 1993	752806		
92649235009	BOW-BGWC-14A	EPA 300.0 Rev 2.1 1993	752806		
92649235010	BOW-BGWC-16	EPA 300.0 Rev 2.1 1993	752806		
92649235011	BOW-BGWC-17	EPA 300.0 Rev 2.1 1993	752806		
92649235012	BOW-BGWC-18	EPA 300.0 Rev 2.1 1993	752806		
92649235013	BOW-BGWA-6	EPA 300.0 Rev 2.1 1993	752806		
92649235014	BOW-BGWC-44D	EPA 300.0 Rev 2.1 1993	752806		
92649235015	BOW-AP1-FD-02	EPA 300.0 Rev 2.1 1993	752806		
92649235016	BOW-AP1-FD-01	EPA 300.0 Rev 2.1 1993	752806		
92649235017	BOW-BGWC-50D	EPA 300.0 Rev 2.1 1993	752806		
92649235018	BOW-AP1-FB-02	EPA 300.0 Rev 2.1 1993	752813		
92649235019	BOW-AP1-FB-01	EPA 300.0 Rev 2.1 1993	752813		
92649235020	BOW-AP1-FB-03	EPA 300.0 Rev 2.1 1993	752813		
92649235021	BOW-BGWC-10	EPA 300.0 Rev 2.1 1993	753396		
92649235022	BOW-BGWC-19	EPA 300.0 Rev 2.1 1993	753396		
92649235023	BOW-BGWC-21	EPA 300.0 Rev 2.1 1993	753396		
92649235024	BOW-BGWC-25	EPA 300.0 Rev 2.1 1993	753659		
92649235025	BOW-BGWC-31	EPA 300.0 Rev 2.1 1993	753659		
92649235026	BOW-AP1-FB-04	EPA 300.0 Rev 2.1 1993	753659		
92649235027	BOW-BGWC-20	EPA 300.0 Rev 2.1 1993	753659		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1
 Pace Project No.: 92649235

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649235028	BOW-BGWC-34D	EPA 300.0 Rev 2.1 1993	753659		
92649235029	BOW-BGWC-35D	EPA 300.0 Rev 2.1 1993	753659		
92649235030	BOW-BGWC-37D	EPA 300.0 Rev 2.1 1993	753659		
92649235031	BOW-BGWC-42D	EPA 300.0 Rev 2.1 1993	753659		
92649235032	BOW-AP1-FD-03	EPA 300.0 Rev 2.1 1993	753659		
92649235033	BOW-AP1-FB-05	EPA 300.0 Rev 2.1 1993	753659		
92649235034	BOW-BGWC-32	EPA 300.0 Rev 2.1 1993	753994		
92649235035	BOW-BGWC-40	EPA 300.0 Rev 2.1 1993	753994		
92649235036	BOW-BGWC-51	EPA 300.0 Rev 2.1 1993	753994		
92649235037	BOW-BGWC-52	EPA 300.0 Rev 2.1 1993	753994		
92649235038	BOW-AP1-EB-01	EPA 300.0 Rev 2.1 1993	753994		
92649235039	BOW-AP1-FB-06	EPA 300.0 Rev 2.1 1993	753994		
92649235040	BOW-BGWC-24	EPA 300.0 Rev 2.1 1993	753994		
92649235041	BOW-BGWC-30	EPA 300.0 Rev 2.1 1993	753994		
92649235042	BOW-BGWC-36D	EPA 300.0 Rev 2.1 1993	753994		
92649235043	BOW-BGWC-41D	EPA 300.0 Rev 2.1 1993	753994		
92649235044	BOW-BGWC-49D	EPA 300.0 Rev 2.1 1993	753994		
92649235045	BOW-AP1-FD-04	EPA 300.0 Rev 2.1 1993	753994		
92649235046	BOW-AP1-EB-02	EPA 300.0 Rev 2.1 1993	753994		
92649235047	BOW-AP1-FB-07	EPA 300.0 Rev 2.1 1993	753994		
92649235048	BOW-BGWA-33	EPA 300.0 Rev 2.1 1993	754806		
92649235049	BOW-BGWC-23	EPA 300.0 Rev 2.1 1993	754806		
92649235050	BOW-BGWC-39	EPA 300.0 Rev 2.1 1993	754806		
92649235051	BOW-PZ-7	EPA 300.0 Rev 2.1 1993	754806		
92649235052	BOW-AP1-EB-03	EPA 300.0 Rev 2.1 1993	754806		
92649235053	BOW-AP1-FB-08	EPA 300.0 Rev 2.1 1993	754806		
92649235054	BOW-BGWC-22	EPA 300.0 Rev 2.1 1993	755677		
92649235055	BOW-BGWC-38D	EPA 300.0 Rev 2.1 1993	755682		
92649235056	BOW-BGWC-43D	EPA 300.0 Rev 2.1 1993	755682		
92649235057	BOW-AP1-FD-05	EPA 300.0 Rev 2.1 1993	755682		
92649235058	BOW-AP1-EB-04	EPA 300.0 Rev 2.1 1993	755682		
92649235059	BOW-AP1-FB-9	EPA 300.0 Rev 2.1 1993	755682		

REPORT OF LABORATORY ANALYSIS

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DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Container Type: Other:

Client Name: GA Power

Project #: **WO# : 92649235**



Courier: Fed Ex UPS USPS Client Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 1/27/23
CSW

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

Part No: 230

Type of Use: Direct Indirect None

Cooler Temp: 5.4/31/48 Correction Factor: 0.0
Add/Subtract (°C)

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.4 5.4/31/48/5.1

USDA Regulated Soil? N/A, water sample

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Did samples originate in a quarantine zone within the United States, CA, NY, or SC (check maps)? Yes No

			Comments/Discurrency
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-includes Date/Time/ID/Analysis Match:	<u>W</u>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCLRF Review: _____ Date: _____

Project Manager SEF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0983 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92649235

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PN: BV

Due Date: 02/10/23

Exceptions: VOA, Gallium, TOC, Oil and Grease, (NO/NO3) (water) DOC, TSS

CLIENT: GA-GA Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP1U-125 mL Plastic Unpreserved (N/A) (C1)													
BP2U-250 mL Plastic Unpreserved (N/A)													
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-3 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic (pH < 2) (C1)													
BP4S-250 mL Plastic (pH < 2)													
BP4S-500 mL Plastic (pH < 2)													
BP4S-1 liter Amber (pH < 2)													
BP4S-2 liter Amber (pH < 2)													
BP4S-3 liter Amber (pH < 2)													
BP4S-4 liter Amber (pH < 2)													
BP4S-5 liter Amber (pH < 2)													
BP4S-6 liter Amber (pH < 2)													
BP4S-7 liter Amber (pH < 2)													
BP4S-8 liter Amber (pH < 2)													
BP4S-9 liter Amber (pH < 2)													
BP4S-10 liter Amber (pH < 2)													
BP4S-11 liter Amber (pH < 2)													
BP4S-12 liter Amber (pH < 2)													
BP4S-13 liter Amber (pH < 2)													
BP4S-14 liter Amber (pH < 2)													
BP4S-15 liter Amber (pH < 2)													
BP4S-16 liter Amber (pH < 2)													
BP4S-17 liter Amber (pH < 2)													
BP4S-18 liter Amber (pH < 2)													
BP4S-19 liter Amber (pH < 2)													
BP4S-20 liter Amber (pH < 2)													
BP4S-21 liter Amber (pH < 2)													
BP4S-22 liter Amber (pH < 2)													
BP4S-23 liter Amber (pH < 2)													
BP4S-24 liter Amber (pH < 2)													
BP4S-25 liter Amber (pH < 2)													
BP4S-26 liter Amber (pH < 2)													
BP4S-27 liter Amber (pH < 2)													
BP4S-28 liter Amber (pH < 2)													
BP4S-29 liter Amber (pH < 2)													
BP4S-30 liter Amber (pH < 2)													
BP4S-31 liter Amber (pH < 2)													
BP4S-32 liter Amber (pH < 2)													
BP4S-33 liter Amber (pH < 2)													
BP4S-34 liter Amber (pH < 2)													
BP4S-35 liter Amber (pH < 2)													
BP4S-36 liter Amber (pH < 2)													
BP4S-37 liter Amber (pH < 2)													
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BP4S-39 liter Amber (pH < 2)													
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BP4S-42 liter Amber (pH < 2)													
BP4S-43 liter Amber (pH < 2)													
BP4S-44 liter Amber (pH < 2)													
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BP4S-46 liter Amber (pH < 2)													
BP4S-47 liter Amber (pH < 2)													
BP4S-48 liter Amber (pH < 2)													
BP4S-49 liter Amber (pH < 2)													
BP4S-50 liter Amber (pH < 2)													
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BP4S-52 liter Amber (pH < 2)													
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BP4S-55 liter Amber (pH < 2)													
BP4S-56 liter Amber (pH < 2)													
BP4S-57 liter Amber (pH < 2)													
BP4S-58 liter Amber (pH < 2)													
BP4S-59 liter Amber (pH < 2)													
BP4S-60 liter Amber (pH < 2)													
BP4S-61 liter Amber (pH < 2)													
BP4S-62 liter Amber (pH < 2)													
BP4S-63 liter Amber (pH < 2)													
BP4S-64 liter Amber (pH < 2)													
BP4S-65 liter Amber (pH < 2)													
BP4S-66 liter Amber (pH < 2)													
BP4S-67 liter Amber (pH < 2)													
BP4S-68 liter Amber (pH < 2)													
BP4S-69 liter Amber (pH < 2)													
BP4S-70 liter Amber (pH < 2)													
BP4S-71 liter Amber (pH < 2)													
BP4S-72 liter Amber (pH < 2)													
BP4S-73 liter Amber (pH < 2)													
BP4S-74 liter Amber (pH < 2)													
BP4S-75 liter Amber (pH < 2)													
BP4S-76 liter Amber (pH < 2)													
BP4S-77 liter Amber (pH < 2)													
BP4S-78 liter Amber (pH < 2)													
BP4S-79 liter Amber (pH < 2)													
BP4S-80 liter Amber (pH < 2)													
BP4S-81 liter Amber (pH < 2)													
BP4S-82 liter Amber (pH < 2)													
BP4S-83 liter Amber (pH < 2)													
BP4S-84 liter Amber (pH < 2)													
BP4S-85 liter Amber (pH < 2)													
BP4S-86 liter Amber (pH < 2)													
BP4S-87 liter Amber (pH < 2)													
BP4S-88 liter Amber (pH < 2)													
BP4S-89 liter Amber (pH < 2)													
BP4S-90 liter Amber (pH < 2)													
BP4S-91 liter Amber (pH < 2)													
BP4S-92 liter Amber (pH < 2)													
BP4S-93 liter Amber (pH < 2)													
BP4S-94 liter Amber (pH < 2)													
BP4S-95 liter Amber (pH < 2)													
BP4S-96 liter Amber (pH < 2)													
BP4S-97 liter Amber (pH < 2)													
BP4S-98 liter Amber (pH < 2)													
BP4S-99 liter Amber (pH < 2)													
BP4S-100 liter Amber (pH < 2)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DCM Certification Office if it is out of hole, incorrect preservative, out of temp, wrong container.



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TCE, Oil and Grease, DRG/BOIS (water) DDC, CHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	Preservative	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125	125 mL Plastic Unpreserved (N/A) (C-1)												
BP2U-350	350 mL Plastic Unpreserved (N/A)												
BP3U-500	500 mL Plastic Unpreserved (N/A)												
BP1U-1	1 liter Plastic Unpreserved (N/A)												
BP4S-125	125 mL Plastic H2SO4 (pH < 2) (C-1)												
BP2S-350	350 mL Plastic HNO3 (pH < 2)												
BP3S-500	500 mL Plastic 2N Acetate & NaOH (pH < 2)												
BP1S-1	1 liter Plastic NaOH (pH > 12) (C-1)												
AG5U-1	1 liter Amber Unpreserved (N/A) (C-1)												
AG1S-1	1 liter Amber H2SO4 (pH < 2)												
AG3S-350	350 mL Amber HNO3 (pH < 2)												
AG2S-500	500 mL Amber H2SO4 (pH < 2)												
AG1U-1	1 liter Amber NaOH (N/A) (C-1)												
DO96-40	40 mL VOA HCl (N/A)												
VG9T-40	40 mL VOA H2SO4 (N/A)												
VG9S-40	40 mL VOA Unpreserved (N/A)												
OG9W-40	40 mL VOA H3PO4 (N/A)												
VP7U-50	50 mL Plastic Unpreserved (N/A)												
V70K	13 Vials per Vial/Vial Gas Kit (N/A)												
SA9F-125	125 mL Storage Plastic (N/A - dbt)												
SP2T-250	250 mL Storage Plastic (N/A - dbt)												
BP4S-250	250 mL Plastic (N/A) (3-9-7)												
AG5U-100	100 mL Amber Unpreserved (N/A) (C-1)												
VS5U-20	20 mL Scintillation vial (N/A)												
DB2U-40	40 mL Amber Unpreserved vial (N/A)												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form is to be sent to the North Carolina DENR Certification Office (i.e. Out of field, incorrect preservative, out of temp, incorrect containers)



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mer

WO#: 92649235

PH: BV Due Date: 02/10/23

CLIENT: GA-GA Power

Sample Condition Upon Receipt

Client Name: GA Power Project R:

Container: Fed Ex UPS USPS Client Other

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initial Person Examining Contents: 2/2/23 [Signature]

Packing Material: Bubble Wrap Bubble Bags Other Other

Biological Tissue Frozen? Yes No N/A

Thermometer: In Gun ID: 230 Type of Inv: We: Hlu: 451

Cooler Temp: 3.1 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 5°C Samples out of temp criteria Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.1

USDA Regulated Soil (N/A, water sample): Did samples originate in a geographic area within the United States, CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Short Hold Time Analysis (<22 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3
Run Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
State Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8
Grabbed analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9
Sample Labels Match CDC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
Includes Case/Time/NO/Analysis Matrix:	W	
Headspace in VOA Vials (>5 Gram)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10
Tri-Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11
Tri-Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

File Data Required? Yes No

Lot ID of spk containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92649235

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PR: BV

Due Date: 02/10/23

Exceptions: VOA, Cd/om, TOC, OF and Grease, DRO/2015 (water), DOC, Lmg

CLIENT: GR-GR Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	Material	1	2	3	4	5	6	7	8	9	10	11	12
	BP210-250 mL Plastic Unpreserved (N/A) (CL)												
	BP210-250 mL Plastic Unpreserved (N/A)												
	BP210-500 mL Plastic Unpreserved (N/A)												
	BP100-1 Liter Plastic Unpreserved (N/A)												
	BP043-125 mL Plastic H2SO4 (pH < 2) (CL)												
	BP03M-250 mL Plastic HNO3 (pH < 2)												
	BP043-125 mL Plastic Zn Acetate R. NaOH (V)												
	BP040-125 mL Plastic NaOH (pH > 12) (C-1)												
	16 GPM wide-mouthed Glass Jar Unpreserved												
	AG010-3 liter Amber Unpreserved (N/A) (CL)												
	AG031-3 liter Amber HCl (pH < 2)												
	AG030-250 mL Amber Unpreserved (N/A) (CL)												
	AG035-3 liter Amber H2SO4 (pH < 2)												
	AG030-250 mL Amber H2SO4 (pH < 2)												
	DG040-60 mL Amber HNO3 (N/A) (CL)												
	DG03H-60 mL VOA HCl (N/A)												
	VG03E-40 mL VOA H2SO4 (N/A)												
	VG03U-40 mL VOA Unpreserved (N/A)												
	DG03V-60 mL VOA HNO3 (N/A)												
	VG03U-20 mL Plastic Unpreserved (N/A)												
	V/GK (3-4) 100 mL VPH/500 mL V/A												
	BP03T-125 mL Sterile Plastic (N/A - lab)												
	BP03T-250 mL Sterile Plastic (N/A - lab)												
	BP03E-250 mL Plastic (N/A) (CL) (3-9-7)												
	AG040-100 mL Amber Unpreserved (N/A) (CL)												
	VG03U-20 mL Schott Duran vials (N/A)												
	DG03U-60 mL Amber Unpreserved vials (N/A)												

BPIN
2/10/23

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office if a Out of field, incorrect preservative, out of temp. marked containers.



Effective Date: 11/14/2022

WO#: 92649235

Project #

PM: BV

Due Date: 02/18/23

CLIENT: GR-GR Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, CellForm, TCC, Oil and Grease, DRD/8013 (water) DOC, Umg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Sample	Preservative	1	2	3	4	5	6	7	8	9	10	11	12
BP30P-250 ml Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP20-500 ml Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP100-1 liter Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP40-125 ml Plastic H2SO4 (pH < 2) (C1-)		/	/	/	/	/	/	/	/	/	/	/	/
BP30M-250 ml plastic HNO3 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
BP42-125 ml Plastic, 2M Acetate & NaOH (pH)		/	/	/	/	/	/	/	/	/	/	/	/
BP44-125 ml Plastic H2O2 (pH > 12) (C1-)		/	/	/	/	/	/	/	/	/	/	/	/
WGRU-1 liter unfiltered glass pH Unpreserved		/	/	/	/	/	/	/	/	/	/	/	/
AG30P-1 liter Amber Unpreserved (N/A) (C1-)		/	/	/	/	/	/	/	/	/	/	/	/
AG10P-1 liter Amber HCl (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG30-250 ml Amber Unpreserved (N/A) (C1-)		/	/	/	/	/	/	/	/	/	/	/	/
AG10-1 liter Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG35-250 ml Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
D080-40 ml Amber NH4OH (N/A)(C1-)		/	/	/	/	/	/	/	/	/	/	/	/
D080-40 ml VOA HC (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
V08P-40 ml VOA H2SO4 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
V08U-40 ml VOA Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
D08V-40 ml VOA H3PO4 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
K07U-50 ml Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
V08F (3 vials per bag) VPH/Cu: 3L (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
SP5T-125 ml Sterile Plastic (N/A - 00)		/	/	/	/	/	/	/	/	/	/	/	/
BP4E-250 ml Sterile Plastic (N/A - 00)		/	/	/	/	/	/	/	/	/	/	/	/
BP4R-250 ml Plastic (N/A) (2504 09 3-9 7)		/	/	/	/	/	/	/	/	/	/	/	/
AG00U-100 ml Amber Unpreserved (N/A) (C1-)		/	/	/	/	/	/	/	/	/	/	/	/
V08U-20 ml, Scintillat co. made (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
008U-40 ml Amber Unpreserved vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/

N/A
VPH

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR, Certification Office (i.e. Out of field, incorrect preservative, out of camp, incorrect containers)



DCM Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92649235

PH: 8V

Due Date: 02/10/23

CLIENT: GA-GR Power

Courier: Fed Ex UPS USPS Client Commercial Pace Other

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/7/23 C04

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

#Bun ID: 230

Type of Ice:

Clear Blue None

Cooler Temp: 2.3

Correction Factor:

0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice cooling process has begun

Cooler Temp Corrected (°C): 2.3

USDA Regulated Soil? N/A, waste sample

Did samples originate in a quarantined zone within the United States, CA, HI, or SC (check mass)? Yes No

Did samples originate from a foreign source (international, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<22 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Do you analyze Samples Field Heated?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix	<input checked="" type="checkbox"/> Yes	
Headspace in VOA Vials (>5-Emm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DOC/ROTS (water) DOC, UHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92649235

PH: 8V

Due Date: 02/10/23

CLIENT: GA-GA Power

Row	Sample Name	1	2	3	4	5	6	7	8	9	10	11	12
	BP00-125 mL Plastic Unpreserved (N/A) (C-)	/	/	/	/	/	/	/	/	/	/	/	/
	BP00-250 mL Plastic Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	BP20-500 mL Plastic Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	BP00-5 liter Black Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	BP05-125 mL Plastic H2SO4 (pH < 2) (OH)	/	/	/	/	/	/	/	/	/	/	/	/
	BP05-250 mL Plastic HNO3 (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	BP07-125 mL Plastic pH neutral & N/A (S)	/	/	/	/	/	/	/	/	/	/	/	/
	BP08-125 mL Amber NIOSH (pH < 2) (C-)	/	/	/	/	/	/	/	/	/	/	/	/
	WQ01-WQ05 Washed Glass Jar Unpreserved	/	/	/	/	/	/	/	/	/	/	/	/
	AG00-1 liter Amber Unpreserved (N/A) (C-)	/	/	/	/	/	/	/	/	/	/	/	/
	AG00-1 liter Amber (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	AG00-250 mL Amber Unpreserved (N/A) (C-)	/	/	/	/	/	/	/	/	/	/	/	/
	AG00-5 liter Amber H2SO4 (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	AG00-250 mL Amber H2SO4 (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	AG00-250 mL Amber H2SO4 (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	DG00-40 mL Amber NIOSH (N/A) (C-)	/	/	/	/	/	/	/	/	/	/	/	/
	DG00-40 mL VOA (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	VG00-40 mL VOA (N/A) (S)	/	/	/	/	/	/	/	/	/	/	/	/
	VG00-40 mL VOA Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	US00-40 mL VOA H2SO4 (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	EP00-50 mL Plastic Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	VG00-13 vials per kit VOA/US of (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	SP00-125 mL Sterile Plastic (N/A) (S)	/	/	/	/	/	/	/	/	/	/	/	/
	SP00-250 mL Sterile Plastic (N/A) (S)	/	/	/	/	/	/	/	/	/	/	/	/
	BP00-250 mL Plastic (N/A) (S) (S) (S)	/	/	/	/	/	/	/	/	/	/	/	/
	AG00-100 mL Amber Unpreserved (N/A) (C-)	/	/	/	/	/	/	/	/	/	/	/	/
	VSG0-20 mL Scintillation vials (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	DG00-40 mL Amber Unpreserved vials (N/A)	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR/Certification Office. Out of field, incorrect preservative, out of temp, incorrect containers.



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicville Atlanta Knoxville

Sample Condition Upon Receipt:

Client Name:

GA Power

Project #:

WO#: 92649235

PH: BV

Due Date: 02/10/23

CLIENT: GA-GA Power

Courier: Fed Ex UPS USPS Other Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Container: 2/10/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological tissues Frozen?

Yes No N/A

Thermometer:

N/A

230

Type of Ice:

Wet

Ice

None

Cooler Temp:

3.8

Correction Factor:

Add/Subtract (°C)

0.0

Temp should be above freezing to 5°C

Samples out of temp criteria. Samples on ice cooling process has begun.

Cooler Temp Corrected (°C):

3.8

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States, CA, NY, or SC (check boxes)? Yes No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Check of Custody Papers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Samples Arrived within elcic Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Proper Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7
Dispersed Analytes: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
-Includes Date/Time/ID/Analysis Max/min		
Headspace in VOA Vials (>5 mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DCM Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

* Checkmark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TDC, Oil and Grease, DRD/6025 (water) BOD, TUP

** Bottom half of box is to list number of bottles

*** Check unpreserved Nitrates for chlorine

Project #

WO#: 92649235

PH: BV

Due Date: 02/10/23

CLIENT: GA-GB Power

Item	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40-125 mL Plastic Unpreserved (N/A) (CL)													
BP30-250 mL Plastic Unpreserved (N/A)													
BP20-500 mL Plastic Unpreserved (N/A)													
BP10-1 Liter Plastic Unpreserved (N/A)													
BP45-125 mL Plastic H2SO4 (pH < 2) (CL)													
BP35-250 mL Plastic H2SO4 (pH < 2)													
BP42-125 mL Plastic 2N Acetic & NaOH (pH)													
BP46-125 mL Plastic NaOH (pH > 12) (CL)													
WGRU-Wide-mouthed Glass Jar Unpreserved													
AG30-1 Liter Amber Unpreserved (N/A) (CL)													
AG14-1 Liter Amber H3 (pH < 2)													
AG30-750 mL Amber Unpreserved (N/A) (CL)													
AG35-1 liter Amber H2SO4 (pH < 2)													
AG35-250 mL Amber H2SO4 (pH < 2)													
DC66-60 mL Amber NMC1 (N/A) (CL)													
DC66-40 mL VOA HCl (N/A)													
VO7E-4C mL VOA H2SO4 (N/A)													
VO3U-60 mL VOA Jugs unpres (N/A)													
DC55V-50 mL VOA H2SO4 (N/A)													
KP70-50 mL Plastic Unpreserved (N/A)													
V7GK [3 vials per trip] VOA/Gas Bic (N/A)													
SP63-25 mL Sterile P-401 (N/A - Lab)													
SP70-150 mL Sterile Plastic (N/A - Lab)													
BP30-250 mL Plastic H2SO4 (pH < 2)													
AG20-100 mL Amber Unpreserved (N/A) (CL)													
V50U-45 mL Samplem vials (N/A)													
DC66-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEMM Certification Office (A. Out of N/A, incorrect preservative, out of time, incorrect containers)

Page

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

Section A: Sampling a sample for the chain of custody completes additional form and specimens of the Page Term and Conditions form at the site. Please contact the state department for more information.

Project Name: Wilmington
 Site Name: Wilmington
 Address: 201 Wilmington Blvd, Wilmington, DE 19801
 City/State: Wilmington, DE
 Date: 1/24/23
 Project ID: 100411

SAMPLE ID	MATRIX CODE	SAMPLE TYPE	DATE	TIME	SAMP. TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Temp	Received on For (Y/M)	Cooler (Y/N)	Shipped (Y/N)
							Unpreserved	HC	HC	HC	HC	HC	HC				
BDW-BDWC-2	WGC G	1/24/23	15:27	5	2	3	X	X	X	X	X	X	X	X	X	X	7:32 001
BDW-BDWC-3	WGC G	1/24/23	12:26	5	2	3	X	X	X	X	X	X	X	X	X	X	7:17 002
BDW-BDWC-4	WGC G	1/24/23	13:59	5	2	3	X	X	X	X	X	X	X	X	X	X	5:12 003
BDW-BDWC-5	WGC G	1/24/23	11:45	5	2	3	X	X	X	X	X	X	X	X	X	X	7:32 004
BDW-BDWC-6	WGC G						X	X	X	X	X	X	X	X	X	X	
BDW-BDWC-7	WGC G						X	X	X	X	X	X	X	X	X	X	
BDW-BDWC-8	WGC G						X	X	X	X	X	X	X	X	X	X	
BDW-BDWC-9	WGC G						X	X	X	X	X	X	X	X	X	X	
BDW-BDWC-10	WGC G						X	X	X	X	X	X	X	X	X	X	
BDW-BDWC-11	WGC G						X	X	X	X	X	X	X	X	X	X	
BDW-BDWC-12	WGC G						X	X	X	X	X	X	X	X	X	X	
BDW-BDWC-13	WGC G						X	X	X	X	X	X	X	X	X	X	
BDW-BDWC-14	WGC G						X	X	X	X	X	X	X	X	X	X	
BDW-BDWC-15	WGC G						X	X	X	X	X	X	X	X	X	X	

Collector: William Walker
 Date: 1/24/23
 Project ID: 100411
 Site Name: Wilmington
 Address: 201 Wilmington Blvd, Wilmington, DE 19801
 City/State: Wilmington, DE
 Date: 1/24/23

Subscribing a sample to the chain of custody constitutes acknowledgment and acceptance of the Price Terms and Conditions found at the Price Schedule, available at www.leg.state.fl.us/legcenter/legnstat/legstat.htm.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Requested Client Information:
 Company Name: Perma-Paints Inc.
 Address: Perma-Paints Inc.
 City: Perma-Paints Inc.
 State: GA ZIP: 30134
 Phone: (404) 217-0000 Fax: (404) 217-0000
 Website: http://www.permacoatings.com

Requested Project Information:
 Project No: None
 Report To: None
 Project Name: Perma-Coat Asphalt Sealant
 Request #: 1001

Product Information:
 Product Name: Perma-Coat Asphalt Sealant
 Manufacturer: Perma-Coat
 Lot #: 1001
 Date of Manufacture: 10/23/23
 Expiry Date: 12/31/23

Analysis Information:
 Analysis Type: GC/MS
 Analysis Method: GC/MS
 Analysis Location: Perma-Coat
 Analysis Date: 11/23/23
 Analysis Time: 10:35
 Analysis Operator: None
 Analysis Instrument: None
 Analysis Software: None
 Analysis Results: None
 Analysis Comments: None

ITEM #	DESCRIPTION	ANALYSIS TYPE	ANALYSIS METHOD	ANALYSIS LOCATION	ANALYSIS DATE	ANALYSIS TIME	ANALYSIS OPERATOR	ANALYSIS INSTRUMENT	ANALYSIS SOFTWARE	ANALYSIS RESULTS	ANALYSIS COMMENTS	TEMP in C	Received on	Received by	Signature	Date	
																	RECEIVED BY	DATE	SIGNATURE
1	SAMPLE ID	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
2	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
3	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
4	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
5	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
6	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
7	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
8	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
9	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
10	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
11	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
12	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
13	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
14	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
15	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
16	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
17	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
18	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
19	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
20	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
21	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
22	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
23	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
24	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
25	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
26	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
27	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
28	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
29	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None
30	Perma-Coat	GC/MS	GC/MS	Perma-Coat	11/23/23	10:35	None	None	None	None	None	None	None	None	None	None	None

Received on: 11/23/23
 Received by: None
 Signature: None
 Date: 11/23/23
 Analytical Request Document: None
 Sample Name: None
 Sample ID: None
 Sample Description: None
 Sample Location: None
 Sample Quantity: None
 Sample Temperature: None
 Sample Storage Conditions: None
 Sample Handling Instructions: None
 Sample Chain of Custody: None
 Sample Analysis Results: None
 Sample Analysis Comments: None
 Sample Analysis Date: None
 Sample Analysis Time: None
 Sample Analysis Operator: None
 Sample Analysis Instrument: None
 Sample Analysis Software: None
 Sample Analysis Results: None
 Sample Analysis Comments: None

Page

Submitting a sample for the study of metals, nutrients, sedimentation and organics and requires all the following information to be completed accurately.

CHAIN-OF-CUSTODY / Analytical Request Document

Section A
Submitter Client Information: **Project No. 1210**
Project Name: **William Leader**
Address: **241 Poplar Ave NE Atlanta GA 30306**
Phone: **404-525-1336**

Section B
Applicable Project Information: **Project No. 1210**
Project Name: **William Leader**
Address: **241 Poplar Ave NE Atlanta GA 30306**
Phone: **404-525-1336**

Section C
Analytical Information: **Project No. 1210**
Project Name: **William Leader**
Address: **241 Poplar Ave NE Atlanta GA 30306**
Phone: **404-525-1336**

Item #	Sample ID	Matrix	Container	Volume	Date	Time	Temp at Collection	# of Containers	Preservatives	Analysis	Residual Charge (Y/N)
1	BOW-0001-010	WAS	G	1000ml	1/24/13	5:23	5	2	3	X X X X X X	OK
2	BOW-0001-020	WAS	G	1000ml						X X X X X X	OK
3	BOW-0001-030	WAS	G	1000ml						X X X X X X	OK
4	BOW-0001-040	WAS	G	1000ml						X X X X X X	OK
5	BOW-0001-050	WAS	G	1000ml						X X X X X X	OK
6	BOW-0001-060	WAS	G	1000ml						X X X X X X	OK
7	BOW-0001-070	WAS	G	1000ml						X X X X X X	OK
8	BOW-0001-080	WAS	G	1000ml						X X X X X X	OK
9	BOW-0001-090	WAS	G	1000ml						X X X X X X	OK
10	BOW-0001-100	WAS	G	1000ml						X X X X X X	OK
11	BOW-0001-110	WAS	G	1000ml						X X X X X X	OK
12	BOW-0001-120	WAS	G	1000ml						X X X X X X	OK
13	BOW-0001-130	WAS	G	1000ml						X X X X X X	OK
14	BOW-0001-140	WAS	G	1000ml						X X X X X X	OK
15	BOW-0001-150	WAS	G	1000ml						X X X X X X	OK
16	BOW-0001-160	WAS	G	1000ml						X X X X X X	OK
17	BOW-0001-170	WAS	G	1000ml						X X X X X X	OK
18	BOW-0001-180	WAS	G	1000ml						X X X X X X	OK
19	BOW-0001-190	WAS	G	1000ml						X X X X X X	OK
20	BOW-0001-200	WAS	G	1000ml						X X X X X X	OK

William Leader
Project No. 1210
Project Name: William Leader
Address: 241 Poplar Ave NE Atlanta GA 30306
Phone: 404-525-1336
Date: 1/24/13

Received on: 1/24/13
By: [Signature]
Custody: [Signature]
Sample: [Signature]

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.
 Section A: Requester Information
 Section B: Project Information
 Section C: Analytical Request Information
 Section D: Sample Information
 Section E: Chain-of-Custody

Requester Information:
 Company: Georgia Power
 Address: 241 Ralph McGill Blvd SE
 City: Atlanta, GA 30333
 Phone: (404) 251-4000
 Project Name: 241 Ralph McGill Blvd SE, Atlanta, GA 30333

Project Information:
 Project To: Quality Assurance
 From: Environmental
 Project #:

Analytical Request Information:
 Analytical Request: Asbestos
 Method: Asbestos
 Reference: Asbestos

SAMPLE ID
 One number per box.
 Last digit - 1
 Sample the usual five digits

NO.	DATE	TIME	ANALYST	ANALYSIS	REMARKS	INITIALS
1	1/21/13	12:10	Ryan W. Allen	Asbestos	...	...
2	1/22/13	13:30	Ryan W. Allen	Asbestos	...	...

NO.	DATE	TIME	ANALYST	ANALYSIS	REMARKS	INITIALS
1	1/21/13	12:10	Ryan W. Allen	Asbestos
2	1/22/13	13:30	Ryan W. Allen	Asbestos

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Standard 1: Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Final Term and Conditions listed at http://www.peralta.com/chainofcustody/standard1.html

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 1

Requester: Georgia Power	Request To: K. Steve Jurek, Anthony Senter	Analyst: Georgia Power
Address: 341 Ruffin Ave., Dalton, GA 30705	City: Dalton	State: GA
Phone: 706-276-1000	Fax: 706-276-1000	
Request Date: 12/15/12	Request ID: 12121501	
Requester Email: ksenter@ge.com	Requester Phone: 706-276-1000	
Requester Title: Supervisor	Requester Address: 341 Ruffin Ave., Dalton, GA 30705	

ITEM #	SAMPLE ID	DATE	TIME	PRESERVATION		ANALYSIS		REMARKS
				WGT	HT	WGT	HT	
001	BOW-AP1-FD-01	11/23/12	1430	1430				
002	BOW-AP1-FD-02	11/23/12	1430	1430				
003	BOW-AP1-FD-03	11/23/12	1430	1430				
004	BOW-AP1-FD-04	11/23/12	1430	1430				
005	BOW-AP1-FD-05	11/23/12	1430	1430				
006	BOW-AP1-FD-06	11/23/12	1430	1430				
007	BOW-AP1-FD-07	11/23/12	1430	1430				
008	BOW-AP1-FD-08	11/23/12	1430	1430				
009	BOW-AP1-FD-09	11/23/12	1430	1430				
010	BOW-AP1-FD-10	11/23/12	1430	1430				
011	BOW-AP1-FD-11	11/23/12	1430	1430				
012	BOW-AP1-FD-12	11/23/12	1430	1430				
013	BOW-AP1-FD-13	11/23/12	1430	1430				
014	BOW-AP1-FD-14	11/23/12	1430	1430				
015	BOW-AP1-FD-15	11/23/12	1430	1430				
016	BOW-AP1-FD-16	11/23/12	1430	1430				
017	BOW-AP1-FD-17	11/23/12	1430	1430				
018	BOW-AP1-FD-18	11/23/12	1430	1430				
019	BOW-AP1-FD-19	11/23/12	1430	1430				
020	BOW-AP1-FD-20	11/23/12	1430	1430				
021	BOW-AP1-FD-21	11/23/12	1430	1430				
022	BOW-AP1-FD-22	11/23/12	1430	1430				
023	BOW-AP1-FD-23	11/23/12	1430	1430				
024	BOW-AP1-FD-24	11/23/12	1430	1430				
025	BOW-AP1-FD-25	11/23/12	1430	1430				
026	BOW-AP1-FD-26	11/23/12	1430	1430				
027	BOW-AP1-FD-27	11/23/12	1430	1430				
028	BOW-AP1-FD-28	11/23/12	1430	1430				
029	BOW-AP1-FD-29	11/23/12	1430	1430				
030	BOW-AP1-FD-30	11/23/12	1430	1430				

Requested By: William Lanker	Requested On: 11/23/12
Requested At: Dalton, GA	Requested By Phone: 706-276-1000
Requested By Title: Supervisor	Requested By Address: 341 Ruffin Ave., Dalton, GA 30705
Requested By Email: lanker@ge.com	Requested By Fax: 706-276-1000
Requested By Phone: 706-276-1000	Requested By Title: Supervisor
Requested By Address: 341 Ruffin Ave., Dalton, GA 30705	Requested By Fax: 706-276-1000

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

CHAIN-OF-CUSTODY / Analytical Request Document

Section 1: Analytical Chain Information
 Company: Georgia Power
 Address: 241 Peach Street SW, Atlanta, GA 30333
 Name: GA 30333
 Project Name: Savannah Site
 Proposed Date: Standard

Section 2: Analytical Project Information
 Report To: Regional Laboratory Services
 Site: Savannah Site
 Project Name: Savannah Site
 Project #

Section 3: Analytical Information
 Analytical Company Name: Georgia Power
 Analytical Address: 241 Peach Street SW, Atlanta, GA 30333
 Analytical Contact: Savannah Site
 Analytical Phone: 404-393-3333

#	SAMPLE ID (One container per row) (4 x 50 mL) Sample label must be unique	ANALYTES checked not checked	DATE	TIME	PREPARED BY						RESIDUAL CHLORINE (Y/N)		
					PREPARED BY	LABORATORY	ANALYST	METHOD	OTHER	ANALYZED			
1	BOW-RQW-C-29	<input type="checkbox"/>	1/31/23	1222								7.18	034
2	BOW-RQW-C-30	<input type="checkbox"/>											
3	BOW-RQW-C-31	<input type="checkbox"/>											
4	BOW-RQW-C-32	<input type="checkbox"/>											
5	BOW-RQW-C-33	<input type="checkbox"/>											
6	BOW-RQW-C-34	<input type="checkbox"/>											
7	BOW-RQW-C-35	<input type="checkbox"/>											
8	BOW-RQW-C-36	<input type="checkbox"/>											
9	BOW-RQW-C-37	<input type="checkbox"/>											
10	BOW-RQW-C-38	<input type="checkbox"/>											
11	BOW-RQW-C-39	<input type="checkbox"/>											
12	BOW-RQW-C-40	<input type="checkbox"/>	1/31/23	1040		5	2	3					
13	BOW-RQW-C-41	<input type="checkbox"/>											
14	BOW-RQW-C-42	<input type="checkbox"/>											
15	BOW-RQW-C-43	<input type="checkbox"/>											
16	BOW-RQW-C-44	<input type="checkbox"/>											
17	BOW-RQW-C-45	<input type="checkbox"/>											

Signature of Requestor: [Signature]

Signature of Analytical Company: [Signature]

Date: 1/31/23

Table #

Received by: [Name]

Sample ID: [ID]

Date: [Date]

CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the preservation and condition found at the time the sample was received. All relevant facts must be completed accurately.

Request Chain Information:		Request Project Information:		Sample Information:	
Agency:	Craig County	Request for:	Biological Services, Animal Health, Disease	Officer:	George Rouse
Address:	201 Main Boulevard NE	Case No.:	Newse Group	Officer:	Pat Ryan (Case #19)
Requester:	Requester Name:	Requester Title:	Requester Phone:	Officer:	Pat Ryan (Case #19)
Requester:	(478) 311-1000	Requester Title:	Requester Phone:	Officer:	Pat Ryan (Case #19)
Requester:	Requester Address:	Requester City:	Requester State:	Officer:	Pat Ryan (Case #19)
Requester:	Requester City:	Requester State:	Requester Zip:	Officer:	Pat Ryan (Case #19)
Requester:	Requester Email:	Requester Phone:	Requester Fax:	Officer:	Pat Ryan (Case #19)
Requester:	Requester Fax:	Requester Phone:	Requester Email:	Officer:	Pat Ryan (Case #19)
Requester:	Requester Cell:	Requester Phone:	Requester Email:	Officer:	Pat Ryan (Case #19)
Requester:	Requester Other:	Requester Phone:	Requester Email:	Officer:	Pat Ryan (Case #19)

ITEM #	SAMPLE ID One Character per line. Print (9-1-1)	CONTAINER		PRESERVATION		CHAIN OF CUSTODY		REMARKS		
		TYPE	DATE	TYPE	DATE	NO.	INITIALS			
1	BOW-4121-D01	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
2	BOW-4121-D02	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
3	BOW-4121-D03	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
4	BOW-4121-D04	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
5	BOW-4121-D05	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
6	BOW-4121-D06	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
7	BOW-4121-D07	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
8	BOW-4121-D08	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
9	BOW-4121-D09	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
10	BOW-4121-D10	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
11	BOW-4121-D11	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
12	BOW-4121-D12	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
13	BOW-4121-D13	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
14	BOW-4121-D14	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
15	BOW-4121-D15	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
16	BOW-4121-D16	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
17	BOW-4121-D17	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
18	BOW-4121-D18	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
19	BOW-4121-D19	WAG G	1/31/13	WAG G	1/31/13	5	2	3		
20	BOW-4121-D20	WAG G	1/31/13	WAG G	1/31/13	5	2	3		

Prepared by:	Yannick Smith	Date:	1/31/13
Received by:	Ryan Williams	Date:	2/2/13
Custody Code:		Date:	2/2/13
Remarks:	None		

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Section 4: Submitting a sample to the chain of custody document is a LEGAL DOCUMENT. All relevant facts must be carefully recorded. The Chain of Custody is a LEGAL DOCUMENT. All relevant facts must be carefully recorded.

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Project Information:
 Project Name: George Brown
 Client: San Francisco State University
 Location: San Francisco, CA 94133
 Date: 1/31/23
 Analyst: George Brown
 Phone: (415) 338-1111
 Email: gbrown@sfstate.edu

Specimen Information:
 Specimen ID: 10044-5
 Matrix: Water
 Container: 500 mL Polypropylene
 Date Collected: 1/31/23
 Time Collected: 13:40

Chain of Custody:
 Name: George Brown
 Title: San Francisco State University
 Address: San Francisco, CA 94133
 Phone: (415) 338-1111
 Email: gbrown@sfstate.edu
 Signature: [Signature]
 Date: 1/31/23

ID	SAMPLE ID	MATERIAL	DATE	TIME	VOLUME	PRESERVATIVE	ANALYSIS		LAB
							DATE	TIME	
1	10044-5	Water	1/31/23	13:40	5.2	None	None	None	None
2	10044-6	Water							
3	10044-7	Water							
4	10044-8	Water							
5	10044-9	Water							
6	10044-10	Water							
7	10044-11	Water							
8	10044-12	Water							
9	10044-13	Water							
10	10044-14	Water							
11	10044-15	Water							
12	10044-16	Water							
13	10044-17	Water							
14	10044-18	Water							
15	10044-19	Water							
16	10044-20	Water							
17	10044-21	Water							
18	10044-22	Water							
19	10044-23	Water							
20	10044-24	Water							
21	10044-25	Water							
22	10044-26	Water							
23	10044-27	Water							
24	10044-28	Water							
25	10044-29	Water							
26	10044-30	Water							
27	10044-31	Water							
28	10044-32	Water							
29	10044-33	Water							
30	10044-34	Water							
31	10044-35	Water							
32	10044-36	Water							
33	10044-37	Water							
34	10044-38	Water							
35	10044-39	Water							
36	10044-40	Water							
37	10044-41	Water							
38	10044-42	Water							
39	10044-43	Water							
40	10044-44	Water							
41	10044-45	Water							
42	10044-46	Water							
43	10044-47	Water							
44	10044-48	Water							
45	10044-49	Water							
46	10044-50	Water							
47	10044-51	Water							
48	10044-52	Water							
49	10044-53	Water							
50	10044-54	Water							
51	10044-55	Water							
52	10044-56	Water							
53	10044-57	Water							
54	10044-58	Water							
55	10044-59	Water							
56	10044-60	Water							
57	10044-61	Water							
58	10044-62	Water							
59	10044-63	Water							
60	10044-64	Water							
61	10044-65	Water							
62	10044-66	Water							
63	10044-67	Water							
64	10044-68	Water							
65	10044-69	Water							
66	10044-70	Water							
67	10044-71	Water							
68	10044-72	Water							
69	10044-73	Water							
70	10044-74	Water							
71	10044-75	Water							
72	10044-76	Water							
73	10044-77	Water							
74	10044-78	Water							
75	10044-79	Water							
76	10044-80	Water							
77	10044-81	Water							
78	10044-82	Water							
79	10044-83	Water							
80	10044-84	Water							
81	10044-85	Water							
82	10044-86	Water							
83	10044-87	Water							
84	10044-88	Water							
85	10044-89	Water							
86	10044-90	Water							
87	10044-91	Water							
88	10044-92	Water							
89	10044-93	Water							
90	10044-94	Water							
91	10044-95	Water							
92	10044-96	Water							
93	10044-97	Water							
94	10044-98	Water							
95	10044-99	Water							
96	10044-100	Water							

LABORATORY INFORMATION:
 Laboratory Name: San Francisco State University
 Address: San Francisco, CA 94133
 Phone: (415) 338-1111
 Email: gbrown@sfstate.edu
 Date: 1/31/23

ANALYSIS RESULTS:
 Method: None
 Result: None
 Date: 1/31/23

Page

Submitting a sample via the chain of custody creates an acknowledgment and acceptance of the terms and conditions found at: <http://sds.paloalto.com/vol/1/sds.html>

CHAIN-OF-CUSTODY / Analytical Request Document

Page: 3 of 4

Requester Information:
 Requester: General Power
 Address: 241 94th Street NE
 City: Alameda, CA 94501
 Phone: 925-762-3000
 Fax: 925-762-3000
 Requester Email: generalpower@generalpower.com

Requester Project Information:
 Project #:
 Region: North America
 Country: USA
 State: CA
 City: Alameda
 Address: 241 94th Street NE, Alameda, CA 94501
 Requester Name: General Power
 Requester Title: General Manager
 Requester Phone: 925-762-3000
 Requester Email: generalpower@generalpower.com

Requester Contact Information:
 Name: Kevin Wang
 Title: General Manager
 Address: 241 94th Street NE, Alameda, CA 94501
 Phone: 925-762-3000
 Fax: 925-762-3000
 Email: kwang@generalpower.com

SAMPLE ID	MATERIAL CODE	MATERIAL TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	PRESERVATION							ANALYSIS TEST	Y/N	REMARKS	
						UNP/NEED	H2O2	NO2	NO3	NO3-N	NO3-NH	OTHER				
800W-BEWC-32	WPC	C														
800W-BEWC-34U	WPC	G														
800W-BEWC-35D	WPC	D	2/1/23	1350	52	3										6.64 pH
800W-BEWC-37J	WPC	C														
800W-BEWC-38D	WPC	D														
800W-BEWC-39M	WPC	M														
800W-BEWC-40	WPC	G	2/1/23	1615	52	3										7.05 pH
800W-BEWC-41D	WPC	D														
800W-BEWC-42D	WPC	D														
800W-BEWC-43D	WPC	D														
800W-BEWC-44D	WPC	C														

Requester Signature: [Signature] Date: 2/1/23

Requester Title: Kevin Wang

Requester Company: General Power

Requester Address: 241 94th Street NE, Alameda, CA 94501

Requester Phone: 925-762-3000

Requester Email: generalpower@generalpower.com

Requester Contact Information: Kevin Wang, General Manager, 925-762-3000, kwang@generalpower.com

Requester Signature: [Signature] Date: 2/1/23

Requester Title: Kevin Wang

Requester Company: General Power

Requester Address: 241 94th Street NE, Alameda, CA 94501

Requester Phone: 925-762-3000

Requester Email: generalpower@generalpower.com

Requester Contact Information: Kevin Wang, General Manager, 925-762-3000, kwang@generalpower.com

Requester Signature: [Signature] Date: 2/1/23

Requester Title: Kevin Wang

Requester Company: General Power

Requester Address: 241 94th Street NE, Alameda, CA 94501

Requester Phone: 925-762-3000

Requester Email: generalpower@generalpower.com

Requester Contact Information: Kevin Wang, General Manager, 925-762-3000, kwang@generalpower.com

Page

Attached is a written statement of a body contractor's scheduled print and acceptance of the Print Term and Conditions found at legalpro. com/contractor-acceptance of

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 5

Requester Client Information
Company: Omega Power
Address: 211 West Northland Blvd. No.
City: Santa Ana, CA 92705
Email: kyle@omegawater.com
Phone: (415) 211-2208
Requester Email: kyle@omegawater.com

Applied Project Information
Project To: Omega Power, Anthony Street
Project From: 1250 West San Julian Street, Santa Ana, CA 92705
Project Name: Omega Power
Project #

Analyst Information
Analyst: George Power
Address: 4419 West 12th St., Santa Ana, CA 92705
Phone: (415) 211-2208
Email: kyle@omegawater.com
Requester ID: 100115

No.	SAMPLE ID	ANALYST	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE AT COLLECTION	PRESERVATION							ANALYST	DATE OF ANALYSIS	LABORATORY	
						TEMPERATURE	NO OF CONTAINERS	NO OF SCS	NO OF PC	NO OF LDC	NO OF PC	NO OF SCS				NO OF PC
27	10W-211223-200	NS	2/11/23	1155	5/2	3										7.17 2014
28	10W-211223-200	NS														
29	10W-211223-200	NS														
30	10W-211223-200	NS														
31	10W-211223-200	NS														
32	10W-211223-200	NS														
33	10W-211223-200	NS														
34	10W-211223-200	NS														
35	10W-211223-200	NS														
36	10W-211223-200	NS														
37	10W-211223-200	NS														
38	10W-211223-200	NS														
39	10W-211223-200	NS														
40	10W-211223-200	NS														
41	10W-211223-200	NS														
42	10W-211223-200	NS														
43	10W-211223-200	NS														
44	10W-211223-200	NS														
45	10W-211223-200	NS														
46	10W-211223-200	NS														
47	10W-211223-200	NS														
48	10W-211223-200	NS														
49	10W-211223-200	NS														
50	10W-211223-200	NS														

ANALYST INFORMATION AND MONITORING:
ANALYST: Kyle Power
DATE OF ANALYSIS: 2/11/23
ANALYST SIGNATURE: Kyle Power

Page

Specifying a sample is a first step of custody compliance administration and acquisition of the case. Terms and Conditions must be agreed upon and printed on the document.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page 1 of 5

Requested Project Information:

Company: **General Power**
 Address: **241 Edgar McCh Blm NE**
 Atlanta, GA 30308
 Project # **140117-0001** File
 Requested Date: **5/14/13**

Requested Project Information:

Request To: **System Admin, Anthony Sprunt**
 Copy To: **Lead Analyst (Birmingham, MS) Brady**
 Requested User: **Brady R-P**
 Project #

Requested Project Information:

Requester: **General Power**
 Address: **241 Edgar McCh Blm NE, Atlanta, GA 30308**
 Project # **140117-0001**
 Requested User: **Brady R-P**

Sample #	SAMPLE ID Date: 5/14/13	DATE	TIME	COLLECTED	ANALYSIS REQUEST		PRESERVATION										ANALYSIS TEST	REMARKS							
					Method	Quantity	Temperature	Humidity	Light	Sound	Vibration	Electromagnetic Interference	Other												
001	BOW-AP1-EB-03	NOV 3			100%	100%																			
002	BOW-AP1-EB-04	NOV 4			100%	100%																			
003	BOW-AP1-EB-05	NOV 5			100%	100%																			
004	BOW-AP1-EB-06	NOV 6			100%	100%																			
005	BOW-AP1-EB-07	NOV 7			100%	100%																			
006	BOW-AP1-EB-08	NOV 8			100%	100%																			
007	BOW-AP1-EB-09	NOV 9			100%	100%																			
008	BOW-AP1-EB-10	NOV 10			100%	100%																			
009	BOW-AP1-EB-11	NOV 11			100%	100%																			
010	BOW-AP1-EB-12	NOV 12			100%	100%																			
011	BOW-AP1-EB-13	NOV 13			100%	100%																			
012	BOW-AP1-EB-14	NOV 14			100%	100%																			
013	BOW-AP1-EB-15	NOV 15			100%	100%																			

Submitter Information:

Submitter Name: **General Power**

Submitter Address: **241 Edgar McCh Blm NE, Atlanta, GA 30308**

Submitter Contact: **Brady R-P**

Submitter Date: **5/14/13**

Requested Date: **5/14/13**

Requested Time: **09:40**

Requested Location: **140117-0001**

Requested User: **Brady R-P**

Requested Project: **140117-0001**

Requested Test: **140117-0001**

Requested Analysis: **140117-0001**

Requested Remarks: **140117-0001**

Requested Signature: **140117-0001**

Requested Date: **2/1/23**

Page

Submitting a sample without chain of custody constitutes acknowledgment and acceptance of the Price Terms and Conditions found at <http://www.pacesoftware.com/html/gov-maintain.html>

CHAIN-OF-CUSTODY / Analytical Request Document

Section A
 Analytical Request Information:
 Company: Georgia Power
 Address: 241 Fifth Street NE
 Atlanta, GA 30303
 Contact: (478) 217-4000 Fax
 Requested Date: Sample ID

Section B
 Analytical Request Information:
 Request To: From: Georgia Power
 Copy To: Linda Wood/Bruce Rogers/Vala Drenay
 Project Name: Brown Gas
 Project Number: Brown Gas-1
 Requested Date: Sample ID

Section C
 Analytical Information:
 Analytical Name: Georgia Power
 Address: 241 Fifth Street NE, Atlanta, GA 30303
 Project Manager: Bruce Wood/Bruce Rogers
 Project Number: 80444

ITEM #	SAMPLE ID One Chemistry gas box (1oz. 4oz. 1) Sample ID must be unique	MATRIX CODE (e.g. WAG)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PARAMETERS								Residue Charge (Y/N)		
							Asph	Metals	Oil	PCB	PCP	PCDD	PCDF	PCMX		PCNB	
BPM-BQMC-32		WAG G					X	X	X	X	X						
BPM-BQMC-33D		WAG G					X	X	X	X	X						
BPM-BQMC-34D		WAG G					X	X	X	X	X						
BPM-BQMC-35D		WAG G					X	X	X	X	X						
BPM-BQMC-36D		WAG G					X	X	X	X	X						
BPM-BQMC-37D		WAG G					X	X	X	X	X						
BPM-BQMC-38D		WAG G	2/2/23	1142		5	2	3									6.93.0510
BPM-BQMC-39D		WAG G					X	X	X	X	X						
BPM-BQMC-40D		WAG G					X	X	X	X	X						
BPM-BQMC-41D		WAG G					X	X	X	X	X						
BPM-BQMC-42D		WAG G					X	X	X	X	X						
BPM-BQMC-43D		WAG G					X	X	X	X	X						
BPM-BQMC-44D		WAG G					X	X	X	X	X						

Section D
 Analytical Request Information:
 Requested Date: 2/7/23
 Requested Time: 1525
 Requested Location: 241 5th St
 Requested Analytical Name: Brown Gas
 Requested Analytical Number: 80444
 Requested Analytical Date: 2/2/23

TEMP °C	1	2	3	4	5	6	7	8	9	10



CHAIN-OF-CUSTODY / Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the PACT Terms and Conditions found at <http://pacr.ca.gov/pact/terms-conditions>

Case Information: Client Name: [Blank], Project No: [Blank], Sample ID: [Blank]

Requester Information: Requester: [Blank], Date: [Blank], Time: [Blank]

Lab Information: Lab Name: [Blank], Address: [Blank], City: [Blank], State: [Blank], Zip: [Blank]

ITEM #	SAMPLE ID One Chemist per box Sample the subject to analyze	COLLECTED		DATE	TIME	PRESERVATION														ANALYZED										
		DATE	TIME			REF. TEMP AT COLLECTION	NO. OF CONTAINERS	TYPE	TEMP	CONC	COND	PH	OTHER	ANALYST	TEST	DATE	TIME	STATUS												
1	BOW-AP1-F037	W/3	Q	2/2/23	1305	5	2	3																						
2	BOW-AP1-F038	W/3	Q																											
3	BOW-AP1-F039	W/3	Q																											
4	BOW-AP1-F040	W/3	Q																											
5	BOW-AP1-F041	W/3	Q																											
6	BOW-AP1-F042	W/3	Q																											
7	BOW-AP1-F043	W/3	Q																											
8	BOW-AP1-F044	W/3	Q																											
9	BOW-AP1-F045	W/3	Q																											
10	BOW-AP1-F046	W/3	Q																											
11	BOW-AP1-F047	W/3	Q																											
12	BOW-AP1-F048	W/3	Q																											
13	BOW-AP1-F049	W/3	Q																											
14	BOW-AP1-F050	W/3	Q																											
15	BOW-AP1-F051	W/3	Q																											
16	BOW-AP1-F052	W/3	Q																											
17	BOW-AP1-F053	W/3	Q																											
18	BOW-AP1-F054	W/3	Q																											
19	BOW-AP1-F055	W/3	Q																											
20	BOW-AP1-F056	W/3	Q																											
21	BOW-AP1-F057	W/3	Q																											

Footer Information: Client Name: [Blank], Date: [Blank], Time: [Blank]

Signature Section: [Blank] Signature, [Blank] Date

Witness Section: [Blank] Signature, [Blank] Date



CHAIN-OF-CUSTODY / Analytical Request Document

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

<p>Requested Chain Information:</p> <p>Company: Georgia Power Address: 211 Peachtree Street, NE Atlanta, GA 30309 Contact: M/N/O? person Fax Requested Date From: Blanket To: Blanket</p>	<p>Requested Project Information:</p> <p>Report To: Robert Jacobs, Anthony Burnett Copy To: Linda Keene, Bob Dodger, Mike Strick Project Name: Nuclear Waste Project Number: Blanket #01 Project Address: Blanket #01 Project #:</p>
<p>Section Information:</p> <p>Sample Number: 211 Peachtree Street, NE, Atlanta, GA 30309 Sample Name: Blanket Sample Quantity: Blanket Sample Storage: Blanket Sample Size: 100ml @</p>	<p>Analysis Information:</p> <p>Matrix Code: Blanket Sample Type: Blanket Date: 2/21/23 Time: 1300 Sample Temp at Collection: 5 # of Containers: 2 Unpreserved: 2 Preserved: 3 Method: Other Analyzed For: Methyl C1, F, SO4 Arsenic PCBs RAD 05/5520</p>

ID	DESCRIPTION	MATRIX CODE	SAMPLE TYPE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS		PRESERVED						ANALYZED FOR		RECEIVED BY (Who)
				DATE	TIME		Unpreserved	Preserved	PCB	Methyl	Other	Methyl	C1, F, SO4	Arsenic	PCB	RAD 05/5520	
211-01-1-EB-01	Blanket	NO 6	NO 6	2/21/23	1300	5	2	3									
211-01-1-EB-02	Blanket	NO 6	NO 6														
211-01-1-EB-03	Blanket	NO 6	NO 6														
211-01-1-EB-04	Blanket	NO 6	NO 6														
211-01-1-EB-05	Blanket	NO 6	NO 6														
211-01-1-EB-06	Blanket	NO 6	NO 6														
211-01-1-EB-07	Blanket	NO 6	NO 6														
211-01-1-EB-08	Blanket	NO 6	NO 6														
211-01-1-EB-09	Blanket	NO 6	NO 6														
211-01-1-EB-10	Blanket	NO 6	NO 6														
211-01-1-EB-11	Blanket	NO 6	NO 6														
211-01-1-EB-12	Blanket	NO 6	NO 6														
211-01-1-EB-13	Blanket	NO 6	NO 6														
211-01-1-EB-14	Blanket	NO 6	NO 6														
211-01-1-EB-15	Blanket	NO 6	NO 6														
211-01-1-EB-16	Blanket	NO 6	NO 6														
211-01-1-EB-17	Blanket	NO 6	NO 6														
211-01-1-EB-18	Blanket	NO 6	NO 6														
211-01-1-EB-19	Blanket	NO 6	NO 6														
211-01-1-EB-20	Blanket	NO 6	NO 6														
211-01-1-EB-21	Blanket	NO 6	NO 6														
211-01-1-EB-22	Blanket	NO 6	NO 6														
211-01-1-EB-23	Blanket	NO 6	NO 6														
211-01-1-EB-24	Blanket	NO 6	NO 6														
211-01-1-EB-25	Blanket	NO 6	NO 6														
211-01-1-EB-26	Blanket	NO 6	NO 6														
211-01-1-EB-27	Blanket	NO 6	NO 6														
211-01-1-EB-28	Blanket	NO 6	NO 6														
211-01-1-EB-29	Blanket	NO 6	NO 6														
211-01-1-EB-30	Blanket	NO 6	NO 6														

Analysis Information:

Request Number: 211-01-1-EB-25

Request Date: 2/21/23

Requester: Ryan Williams / Max

Request Address: 211 Peachtree Street, NE, Atlanta, GA 30309

Requester Contact: 770-515-2525

Requester Email: Ryan.Williams@epa.gov

Requester Title: Project Manager

Requester Signature: *(Signature)*

Requester Agency: Georgia Power

Requester Division: Health, Safety, and Environment

Requester Department: Environmental

Requester Project: 211-01-1-EB-25

Requester Date: 2/21/23

Requester Time: 13:00

Requester Location: 211 Peachtree Street, NE, Atlanta, GA 30309

Time in C

Received by (Who):	
Checked by (Who):	
Sampled by (Who):	
Analysis by (Who):	

Section a. Submitting a sample at this chain of custody constitutes acknowledgment and acceptance of the Pesticide Terms and Conditions found at: https://info.ces.ncsu.edu/pw/pw-admin/forms/1.pdf.

CHAIN-OF-CUSTODY / Analytical Request Document

Section b. Analytical Laboratory: **Page 2 of 3**

Section c. Analytical Laboratory:

Requester/Client Information:	Requester Project/Requester:	Analytical Laboratory:
Client Name: Georgia Power	Requester To: For any Agency, Agency, Group, or Individual: Please Request Lab Service	Requester Name: George Power
Address: 211 Peach Street, Bldg. 102	Copy To: Mobile/Other	Address: 211 Peach Street, Bldg. 102, Athens, GA 30606
City: Athens, GA 30606	Mobile/Other #:	City: Athens
State: GA	Project Name: Power Plant #	State: GA
County: Clarke County	Requester #:	County: Clarke County
Project Number: 140213000	Requester #:	Project Number: 10844-5
Requester Location: Barnes	Project #:	Requester Location: Clarke County

ITEM #	SAMPLE ID	ANALYTE CODE (see test order sheet)	SAMPLE TYPE (CONGRAB C-Code)	COLLECTOR		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS						ANALYTE TEST		Requester/Client			
				Collector	Time				Unpreserved	Preserved	Metals	CLF, SO4	Alkalinity	TDS	RAD	Residue		Chlorine (TMR)		
17	BOM-BOVC-17	WVC 0																		
18	BOM-BOVC-18	WVC 0																		
19	BOM-BOVC-19	WVC 0																		
20	BOM-BOVC-20	WVC 0																		
21	BOM-BOVC-21	WVC 0																		
22	BOM-BOVC-22	WVC 0	217/23	1100	52	3														
23	BOM-BOVC-23	WVC 0																		
24	BOM-BOVC-24	WVC 0																		
25	BOM-BOVC-25	WVC 0																		
26	BOM-BOVC-26	WVC 0																		
27	BOM-BOVC-27	WVC 0																		
28	BOM-BOVC-28	WVC 0																		
29	BOM-BOVC-29	WVC 0																		
30	BOM-BOVC-30	WVC 0																		
31	BOM-BOVC-31	WVC 0																		

Client Use Only (Do Not Fill In)	Date: 2/7/23	Requested by: 2
Client Name: Georgia Power	Date: 2/7/23	Requested by: 2
Client Address: 211 Peach Street, Bldg. 102	Date: 2/7/23	Requested by: 2
Client City: Athens, GA	Date: 2/7/23	Requested by: 2
Client State: GA	Date: 2/7/23	Requested by: 2
Client County: Clarke County	Date: 2/7/23	Requested by: 2
Client Project Number: 140213000	Date: 2/7/23	Requested by: 2
Client Requester Location: Barnes	Date: 2/7/23	Requested by: 2
Client Requester Name: George Power	Date: 2/7/23	Requested by: 2
Client Requester Title: Power Plant #	Date: 2/7/23	Requested by: 2
Client Requester Phone: 706.534.2300	Date: 2/7/23	Requested by: 2
Client Requester Email: george.power@ge.com	Date: 2/7/23	Requested by: 2
Client Requester Fax: 706.534.2300	Date: 2/7/23	Requested by: 2
Client Requester Mobile: 706.534.2300	Date: 2/7/23	Requested by: 2
Client Requester Other: 706.534.2300	Date: 2/7/23	Requested by: 2

Page

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. **Page 1 of 5**

Requested Chain Information: **Sample Name: Georgia Power**
Address: 211 North Main St, NE
City: Atlanta, GA 30303
State: GA
Country: USA
 Requested Analytical Information: **Request To: Analytical Services, Atlanta, GA**
Request From: Environmental Health Services
Request Date: 2/17/23
Requester: Lynn Williams
Requester Title: Environmental Health Services
Requester Phone: 404.521.1234
Requester Email: lwilliams@ep.com
Requester Fax: 404.521.1234
Requester Address: 211 North Main St, NE, Atlanta, GA 30303
Requester City: Atlanta, GA
Requester State: GA
Requester Country: USA
Requester Zip: 30303
Requester Phone: 404.521.1234
Requester Fax: 404.521.1234
Requester Email: lwilliams@ep.com

ITEM #	SAMPLE ID	DATE	TIME	SAMP. # TEMP AT COLLECT (Y/N)	PRESERVED (Y/N)		ANALYZED (Y/N)	RECEIVED (Y/N)
					UPTAKE	MS204		
1	DOM-BROW-2E	2/17/23	1536	52			X	X
2	DOM-BROW-2A						X	X
3	DOM-BROW-2B						X	X
4	DOM-BROW-2C						X	X
5	DOM-BROW-2D						X	X
6	DOM-BROW-2F						X	X
7	DOM-BROW-2G						X	X
8	DOM-BROW-2H						X	X
9	DOM-BROW-2I						X	X
10	DOM-BROW-2J						X	X
11	DOM-BROW-2K						X	X
12	DOM-BROW-2L						X	X
13	DOM-BROW-2M						X	X
14	DOM-BROW-2N						X	X
15	DOM-BROW-2O						X	X
16	DOM-BROW-2P						X	X
17	DOM-BROW-2Q						X	X
18	DOM-BROW-2R						X	X
19	DOM-BROW-2S						X	X
20	DOM-BROW-2T						X	X
21	DOM-BROW-2U						X	X
22	DOM-BROW-2V						X	X
23	DOM-BROW-2W						X	X
24	DOM-BROW-2X						X	X
25	DOM-BROW-2Y						X	X
26	DOM-BROW-2Z						X	X

Requested Chain Information: **Sample Name: Georgia Power**
Address: 211 North Main St, NE
City: Atlanta, GA 30303
State: GA
Country: USA
 Requested Analytical Information: **Request To: Analytical Services, Atlanta, GA**
Request From: Environmental Health Services
Request Date: 2/17/23
Requester: Lynn Williams
Requester Title: Environmental Health Services
Requester Phone: 404.521.1234
Requester Email: lwilliams@ep.com
Requester Address: 211 North Main St, NE, Atlanta, GA 30303
Requester City: Atlanta, GA
Requester State: GA
Requester Country: USA
Requester Zip: 30303
Requester Phone: 404.521.1234
Requester Fax: 404.521.1234
Requester Email: lwilliams@ep.com

Page

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pass Term and Conditions found at www.aqua-chem.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A: Required Client Information

Company	George Pauer	Project No.	NORTH AVENUE ARCHIVE SAMPLING
Address	211 North Lincoln Blvd, MC	City	Lawrence, KS 66044
City	Lawrence, KS 66044	State	KS
Phone	(785) 842-1000	Project Name	Open Air 1
Project No.	319945	Section	Section 1

Section B: Required Project Information

Client Name	Open Air 1	Sample Date	2/14/23
Client Contact	Karen Williams	Project Manager	Open Air 1
Client Address	211 North Lincoln Blvd, MC	Sample Location	Open Air 1

Section C: Sample Information

Sampler	George Pauer	Sampler Name	George Pauer
Address	211 North Lincoln Blvd, MC	Address	211 North Lincoln Blvd, MC 66044
City	Lawrence, KS	City	Lawrence, KS
State	KS	State	KS
Zip	66044	Zip	66044
Phone	(785) 842-1000	Phone	(785) 842-1000
Project Manager	Open Air 1	Project Manager	Open Air 1

Page: 1 of 5

SAMPLE ID
One Container per site
482-483-1
Sample list must be unique

MATRIX CODE
SAMPLE TYPE
DATE
TIME

COLLECTED
PRESERVED

# OF CONTAINERS	Impacted	ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO

Method
CLF 804
Agency
TOC
RAD 8215402U

Result of Chlorine (VW)

96849295

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	DATE	TIME	# OF CONTAINERS	Impacted	ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO	ISO
001	BOW-BOWT-490	WWS	Q																
002	BOW-BOWT-501	WWS	E																
003	BOW-BOWT-51	WWS	G																
004	BOW-BOWT-52	WWS	Q																
005	BOW-BOWT-53	WWS	E																
006	BOW-BOWT-54	WWS	Q																
007	BOW-BOWT-55	WWS	E																
008	BOW-BOWT-56	WWS	G	2/11/23		5	2												
009	BOW-BOWT-57	WWS	Q																
010	BOW-BOWT-58	WWS	E																
011	BOW-BOWT-59	WWS	G																
012	BOW-BOWT-60	WWS	Q																
013	BOW-BOWT-61	WWS	E																
014	BOW-BOWT-62	WWS	G																
015	BOW-BOWT-63	WWS	Q																
016	BOW-BOWT-64	WWS	E																
017	BOW-BOWT-65	WWS	G																
018	BOW-BOWT-66	WWS	Q																
019	BOW-BOWT-67	WWS	E																
020	BOW-BOWT-68	WWS	G																
021	BOW-BOWT-69	WWS	Q																
022	BOW-BOWT-70	WWS	E																
023	BOW-BOWT-71	WWS	G																
024	BOW-BOWT-72	WWS	Q																
025	BOW-BOWT-73	WWS	E																
026	BOW-BOWT-74	WWS	G																
027	BOW-BOWT-75	WWS	Q																
028	BOW-BOWT-76	WWS	E																
029	BOW-BOWT-77	WWS	G																
030	BOW-BOWT-78	WWS	Q																
031	BOW-BOWT-79	WWS	E																
032	BOW-BOWT-80	WWS	G																
033	BOW-BOWT-81	WWS	Q																
034	BOW-BOWT-82	WWS	E																
035	BOW-BOWT-83	WWS	G																
036	BOW-BOWT-84	WWS	Q																
037	BOW-BOWT-85	WWS	E																
038	BOW-BOWT-86	WWS	G																
039	BOW-BOWT-87	WWS	Q																
040	BOW-BOWT-88	WWS	E																
041	BOW-BOWT-89	WWS	G																
042	BOW-BOWT-90	WWS	Q																
043	BOW-BOWT-91	WWS	E																
044	BOW-BOWT-92	WWS	G																
045	BOW-BOWT-93	WWS	Q																
046	BOW-BOWT-94	WWS	E																
047	BOW-BOWT-95	WWS	G																
048	BOW-BOWT-96	WWS	Q																
049	BOW-BOWT-97	WWS	E																
050	BOW-BOWT-98	WWS	G																
051	BOW-BOWT-99	WWS	Q																
052	BOW-BOWT-100	WWS	E																

Signature of Collector: *George Pauer* Date: 2/17/23
 Signature of Custodian: *Karen Williams* Date: 2/17/23

TEMP IN C: _____

Number of Containers: _____

Section A
Submitting a sample via the chain of custody commences acknowledgment and acceptance of the Pick Terms and Conditions found at: [http://pbcbs.state.tx.us/pdfs/chainofcustody.pdf](#)

Section B
Required Project Information:
Report for: North Texas Analytical Service
City To: Lubbock, TX
Project Name: 104445
Project #: 104445

Section C
In which laboratory:
Location: 104445
Company Name: CGS/Power
Address: 241 State Street Blvd #117, Lubbock, TX 79408
Person: Peter Pugh
Phone Number: 806-799-2820
Person: Peter Pugh
Phone #: 806-799-2820

Page: 5 of 5

CHAIN-OF-CUSTODY / Analytical Request Document

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

ITEM #	SAMPLE ID City, County, Proj. No., Lot, Date, etc. Sample ID's must be unique	COLLECTED		DATE	TIME	PRESERVATION						ANALYSIS	LABORATORY				
		MATERIALS	TYPE			NO. OF CONTAINERS	UNPRESERVED	PRESERVED									
								SOX	COF SOX	SCX	SOX			SOX	SOX	SOX	
1058	217-123-1335			2/17/23	1335	5	2	3									
1059	217-123-1325			2/17/23	1325	5	2	3									
1060	217-123-1335			2/17/23	1335												
1061	217-123-1335			2/17/23	1335												

Requested by: Peter Pugh Date: 2/17/23
 Submitted by: Peter Pugh Date: 2/17/23
 Accepted by: Chuck K. Field Date: 2/17/23
 Location: 104445 Project: 104445
 City: Lubbock, TX State: Texas
 Project Name: 104445
 Project #: 104445
 Project Date: 2/17/23
 Project Time: 1335
 Project Location: 104445
 Project Contact: Peter Pugh
 Project Phone: 806-799-2820
 Project Email: p.pugh@cgspower.com
 Project Address: 241 State Street Blvd #117, Lubbock, TX 79408
 Project Person: Peter Pugh
 Project Phone #: 806-799-2820
 Project Email #: p.pugh@cgspower.com
 Project Website: http://www.cgspower.com
 Project Logo: CGS Power
 Project Logo Size: 100x100
 Project Logo Alt: CGS Power
 Project Logo Description: CGS Power
 Project Logo URL: http://www.cgspower.com/logo.png

March 30, 2023

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen AP-1 - RADS
Pace Project No.: 92649233

Dear Joju Abraham:

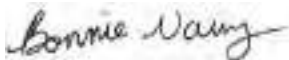
Enclosed are the analytical results for sample(s) received by the laboratory between January 27, 2023 and February 10, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,



Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power-CCR
Christine Hug, Geosyntec Consultants, Inc.
Kristen Jurinko
Thomas Kessler, Geosyntec
Whitney Law, Geosyntec Consultants
Laura Midkiff, Georgia Power
Noelia Muskus, Geosyntec Consultants
Michael Smilley, Georgia Power
Brian Steele, Stantec
Andrew Stevens, Stantec
Tina Sullivan, ERM

Cassidy Sutherland, Stantec
Anthony Szwast, Geosyntec
Nardos Tilahun, GeoSyntec
Dawit Yifru, Geosyntec Consultants, Inc.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen AP-1 - RADS
Pace Project No.: 92649233

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601
ANAB DOD-ELAP Rad Accreditation #: L2417
Alabama Certification #: 41590
Arizona Certification #: AZ0734
Arkansas Certification
California Certification #: 04222CA
Colorado Certification #: PA01547
Connecticut Certification #: PH-0694
Delaware Certification
EPA Region 4 DW Rad
Florida/TNI Certification #: E87683
Georgia Certification #: C040
Florida: Cert E871149 SEKS WET
Guam Certification
Hawaii Certification
Idaho Certification
Illinois Certification
Indiana Certification
Iowa Certification #: 391
Kansas/TNI Certification #: E-10358
Kentucky Certification #: KY90133
KY WW Permit #: KY0098221
KY WW Permit #: KY0000221
Louisiana DHH/TNI Certification #: LA180012
Louisiana DEQ/TNI Certification #: 4086
Maine Certification #: 2017020
Maryland Certification #: 308
Massachusetts Certification #: M-PA1457
Michigan/PADEP Certification #: 9991

Missouri Certification #: 235
Montana Certification #: Cert0082
Nebraska Certification #: NE-OS-29-14
Nevada Certification #: PA014572018-1
New Hampshire/TNI Certification #: 297617
New Jersey/TNI Certification #: PA051
New Mexico Certification #: PA01457
New York/TNI Certification #: 10888
North Carolina Certification #: 42706
North Dakota Certification #: R-190
Ohio EPA Rad Approval: #41249
Oregon/TNI Certification #: PA200002-010
Pennsylvania/TNI Certification #: 65-00282
Puerto Rico Certification #: PA01457
Rhode Island Certification #: 65-00282
South Dakota Certification
Tennessee Certification #: 02867
Texas/TNI Certification #: T104704188-17-3
Utah/TNI Certification #: PA014572017-9
USDA Soil Permit #: P330-17-00091
Vermont Dept. of Health: ID# VT-0282
Virgin Island/PADEP Certification
Virginia/VELAP Certification #: 460198
Washington Certification #: C868
West Virginia DEP Certification #: 143
West Virginia DHHR Certification #: 9964C
Wisconsin Approve List for Rad
Wyoming Certification #: 8TMS-L

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92649233001	BOW-BGWA-2	Water	01/24/23 15:27	01/27/23 12:10
92649233002	BOW-BGWA-29	Water	01/24/23 12:26	01/27/23 12:10
92649233003	BOW-BGWA-47D	Water	01/24/23 13:59	01/27/23 12:10
92649233004	BOW-BGWA-48D	Water	01/24/23 11:45	01/27/23 12:10
92649233005	BOW-BGWC-7	Water	01/26/23 11:48	01/27/23 12:10
92649233006	BOW-BGWC-8	Water	01/26/23 14:20	01/27/23 12:10
92649233007	BOW-BGWC-17	Water	01/26/23 13:14	01/27/23 12:10
92649233008	BOW-BGWC-18	Water	01/26/23 14:52	01/27/23 12:10
92649233009	BOW-BGWA-6	Water	01/25/23 12:30	01/27/23 12:10
92649233010	BOW-BGWC-44D	Water	01/25/23 14:08	01/27/23 12:10
92649233011	BOW-AP1-FD-02	Water	01/26/23 00:00	01/27/23 12:10
92649233012	BOW-AP1-FD-01	Water	01/24/23 00:00	01/27/23 12:10
92649233013	BOW-BGWC-50D	Water	01/25/23 15:35	01/27/23 12:10
92649233014	BOW-AP1-FB-02	Water	01/25/23 15:48	01/27/23 12:10
92649233015	BOW-AP1-FB-01	Water	01/24/23 15:50	01/27/23 12:10
92649233016	BOW-AP1-FB-03	Water	01/26/23 15:48	01/27/23 12:10
92649233017	BOW-BGWC-9	Water	01/26/23 15:35	01/27/23 12:10
92649233018	BOW-BGWC-12	Water	01/26/23 10:35	01/27/23 12:10
92649233019	BOW-BGWC-14A	Water	01/26/23 10:40	01/27/23 12:10
92649233020	BOW-BGWC-16	Water	01/26/23 11:52	01/27/23 12:10
92649233021	BOW-BGWC-10	Water	01/27/23 10:00	01/31/23 14:30
92649233022	BOW-BGWC-19	Water	01/27/23 10:20	01/31/23 14:30
92649233023	BOW-BGWC-21	Water	01/27/23 13:18	01/31/23 14:30
92649233024	BOW-BGWC-25	Water	01/27/23 13:30	01/31/23 14:30
92649233025	BOW-BGWC-31	Water	01/27/23 11:20	01/31/23 14:30
92649233026	BOW-AP1-FB-04	Water	01/27/23 11:10	01/31/23 14:30
92649233027	BOW-BGWC-20	Water	01/30/23 11:07	01/31/23 14:30
92649233028	BOW-BGWC-34D	Water	01/30/23 13:35	01/31/23 14:30
92649233029	BOW-BGWC-35D	Water	01/30/23 10:35	01/31/23 14:30
92649233030	BOW-BGWC-37D	Water	01/30/23 12:35	01/31/23 14:30
92649233031	BOW-BGWC-42D	Water	01/30/23 14:35	01/31/23 14:30
92649233032	BOW-AP1-FD-03	Water	01/30/23 00:00	01/31/23 14:30
92649233033	BOW-AP1-FB-05	Water	01/30/23 15:45	01/31/23 14:30
92649233034	BOW-BGWC-32	Water	01/31/23 12:22	02/02/23 08:40
92649233035	BOW-BGWC-40	Water	01/31/23 10:40	02/02/23 08:40
92649233036	BOW-BGWC-51	Water	01/31/23 13:00	02/02/23 08:40
92649233037	BOW-BGWC-52	Water	01/31/23 15:00	02/02/23 08:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92649233038	BOW-AP1-EB-01	Water	01/31/23 13:55	02/02/23 08:40
92649233039	BOW-AP1-FB-06	Water	01/31/23 13:40	02/02/23 08:40
92649233040	BOW-BGWC-24	Water	02/01/23 14:43	02/02/23 08:40
92649233041	BOW-BGWC-30	Water	02/01/23 15:30	02/02/23 08:40
92649233042	BOW-BGWC-36D	Water	02/01/23 13:50	02/02/23 08:40
92649233043	BOW-BGWC-41D	Water	02/01/23 10:13	02/02/23 08:40
92649233044	BOW-BGWC-49D	Water	02/01/23 11:55	02/02/23 08:40
92649233045	BOW-AP1-FD-04	Water	02/01/23 00:00	02/02/23 08:40
92649233046	BOW-AP1-EB-02	Water	02/01/23 16:15	02/02/23 08:40
92649233047	BOW-AP1-FB-07	Water	02/01/23 16:05	02/02/23 08:40
92649233048	BOW-BGWA-33	Water	02/02/23 09:55	02/07/23 11:50
92649233049	BOW-BGWC-23	Water	02/02/23 10:40	02/07/23 11:50
92649233050	BOW-BGWC-39	Water	02/02/23 11:42	02/07/23 11:50
92649233051	BOW-PZ-7	Water	02/02/23 13:05	02/07/23 11:50
92649233052	BOW-AP1-EB-03	Water	02/02/23 13:10	02/07/23 11:50
92649233053	BOW-AP1-FB-08	Water	02/02/23 13:00	02/07/23 11:50
92649233054	BOW-BGWC-22	Water	02/07/23 11:00	02/10/23 15:30
92649233055	BOW-BGWC-38D	Water	02/07/23 15:36	02/10/23 15:30
92649233056	BOW-BGWC-43D	Water	02/07/23 11:39	02/10/23 15:30
92649233057	BOW-AP1-FD-05	Water	02/07/23 00:00	02/10/23 15:30
92649233058	BOW-AP1-EB-04	Water	02/07/23 13:30	02/10/23 15:30
92649233059	BOW-AP1-FB-9	Water	02/07/23 13:25	02/10/23 15:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92649233001	BOW-BGWA-2	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233002	BOW-BGWA-29	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233003	BOW-BGWA-47D	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233004	BOW-BGWA-48D	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233005	BOW-BGWC-7	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233006	BOW-BGWC-8	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233007	BOW-BGWC-17	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233008	BOW-BGWC-18	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233009	BOW-BGWA-6	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233010	BOW-BGWC-44D	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233011	BOW-AP1-FD-02	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233012	BOW-AP1-FD-01	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233013	BOW-BGWC-50D	EPA 9315	RMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92649233014	BOW-AP1-FB-02	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233015	BOW-AP1-FB-01	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233016	BOW-AP1-FB-03	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233017	BOW-BGWC-9	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233018	BOW-BGWC-12	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233019	BOW-BGWC-14A	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233020	BOW-BGWC-16	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233021	BOW-BGWC-10	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233022	BOW-BGWC-19	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233023	BOW-BGWC-21	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233024	BOW-BGWC-25	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233025	BOW-BGWC-31	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 - RADS
 Pace Project No.: 92649233

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92649233026	BOW-AP1-FB-04	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233027	BOW-BGWC-20	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233028	BOW-BGWC-34D	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233029	BOW-BGWC-35D	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233030	BOW-BGWC-37D	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233031	BOW-BGWC-42D	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233032	BOW-AP1-FD-03	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233033	BOW-AP1-FB-05	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233034	BOW-BGWC-32	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233035	BOW-BGWC-40	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233036	BOW-BGWC-51	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92649233037	BOW-BGWC-52	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92649233038	BOW-AP1-EB-01	EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233039	BOW-AP1-FB-06	EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233040	BOW-BGWC-24	EPA 9315	RMS	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233041	BOW-BGWC-30	EPA 9315	RMS	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233042	BOW-BGWC-36D	EPA 9315	RMS	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233043	BOW-BGWC-41D	EPA 9315	RMS	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233044	BOW-BGWC-49D	EPA 9315	RMS	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233045	BOW-AP1-FD-04	EPA 9315	RMS	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233046	BOW-AP1-EB-02	EPA 9315	RMS	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233047	BOW-AP1-FB-07	EPA 9315	RMS	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233048	BOW-BGWA-33	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233049	BOW-BGWC-23	EPA 9315	RMS	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92649233050	BOW-BGWC-39	EPA 9315	RMS	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1 - RADS
 Pace Project No.: 92649233

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92649233051	BOW-PZ-7	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233052	BOW-AP1-EB-03	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233053	BOW-AP1-FB-08	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	RMS	1	PASI-PA
92649233054	BOW-BGWC-22	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92649233055	BOW-BGWC-38D	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92649233056	BOW-BGWC-43D	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92649233057	BOW-AP1-FD-05	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92649233058	BOW-AP1-EB-04	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92649233059	BOW-AP1-FB-9	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233001	BOW-BGWA-2					
EPA 9315	Radium-226	0.184 ± 0.111 (0.159) C:96% T:NA	pCi/L		02/21/23 18:39	
EPA 9320	Radium-228	1.34 ± 0.601 (0.966) C:77% T:69%	pCi/L		02/13/23 17:17	
Total Radium Calculation	Total Radium	1.52 ± 0.712 (1.13)	pCi/L		02/23/23 11:22	
92649233002	BOW-BGWA-29					
EPA 9315	Radium-226	0.0780 ± 0.0855 (0.167) C:93% T:NA	pCi/L		02/21/23 18:39	
EPA 9320	Radium-228	0.633 ± 0.416 (0.769) C:76% T:80%	pCi/L		02/13/23 17:18	
Total Radium Calculation	Total Radium	0.711 ± 0.502 (0.936)	pCi/L		02/23/23 11:22	
92649233003	BOW-BGWA-47D					
EPA 9315	Radium-226	0.228 ± 0.127 (0.178) C:93% T:NA	pCi/L		02/21/23 18:39	
EPA 9320	Radium-228	0.727 ± 0.450 (0.830) C:72% T:86%	pCi/L		02/13/23 17:18	
Total Radium Calculation	Total Radium	0.955 ± 0.577 (1.01)	pCi/L		02/23/23 11:22	
92649233004	BOW-BGWA-48D					
EPA 9315	Radium-226	0.149 ± 0.100 (0.148) C:94% T:NA	pCi/L		02/21/23 18:39	
EPA 9320	Radium-228	0.440 ± 0.436 (0.889) C:71% T:77%	pCi/L		02/13/23 17:18	
Total Radium Calculation	Total Radium	0.589 ± 0.536 (1.04)	pCi/L		02/23/23 11:22	

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233005	BOW-BGWC-7					
EPA 9315	Radium-226	0.592 ± 0.193 (0.156) C:97% T:NA	pCi/L		02/21/23 18:39	
EPA 9320	Radium-228	1.14 ± 0.618 (1.14) C:74% T:82%	pCi/L		02/13/23 17:18	
Total Radium Calculation	Total Radium	1.73 ± 0.811 (1.30)	pCi/L		02/23/23 11:22	
92649233006	BOW-BGWC-8					
EPA 9315	Radium-226	0.199 ± 0.129 (0.217) C:93% T:NA	pCi/L		02/21/23 18:39	
EPA 9320	Radium-228	0.430 ± 0.501 (1.06) C:75% T:80%	pCi/L		02/13/23 17:18	
Total Radium Calculation	Total Radium	0.629 ± 0.630 (1.28)	pCi/L		02/23/23 11:22	
92649233007	BOW-BGWC-17					
EPA 9315	Radium-226	0.0442 ± 0.0823 (0.188) C:90% T:NA	pCi/L		02/21/23 18:39	
EPA 9320	Radium-228	0.974 ± 0.558 (1.03) C:76% T:82%	pCi/L		02/13/23 17:18	
Total Radium Calculation	Total Radium	1.02 ± 0.640 (1.22)	pCi/L		02/23/23 11:22	
92649233008	BOW-BGWC-18					
EPA 9315	Radium-226	0.109 ± 0.101 (0.183) C:78% T:NA	pCi/L		02/21/23 18:39	
EPA 9320	Radium-228	1.35 ± 0.670 (1.20) C:75% T:79%	pCi/L		02/13/23 17:18	
Total Radium Calculation	Total Radium	1.46 ± 0.771 (1.38)	pCi/L		02/23/23 11:22	

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233009	BOW-BGWA-6					
EPA 9315	Radium-226	0.388 ± 0.154 (0.135) C:92% T:NA	pCi/L		02/21/23 18:39	
EPA 9320	Radium-228	0.335 ± 0.281 (0.565) C:122% T:84%	pCi/L		02/13/23 17:19	
Total Radium Calculation	Total Radium	0.723 ± 0.435 (0.700)	pCi/L		02/23/23 11:22	
92649233010	BOW-BGWC-44D					
EPA 9315	Radium-226	0.205 ± 0.145 (0.256) C:83% T:NA	pCi/L		02/21/23 19:31	
EPA 9320	Radium-228	0.412 ± 0.397 (0.807) C:75% T:80%	pCi/L		02/13/23 17:19	
Total Radium Calculation	Total Radium	0.617 ± 0.542 (1.06)	pCi/L		02/23/23 11:22	
92649233011	BOW-AP1-FD-02					
EPA 9315	Radium-226	-0.0706 ± 0.0552 (0.227) C:81% T:NA	pCi/L		02/21/23 19:32	
EPA 9320	Radium-228	0.731 ± 0.449 (0.821) C:77% T:80%	pCi/L		02/13/23 17:19	
Total Radium Calculation	Total Radium	0.731 ± 0.504 (1.05)	pCi/L		02/23/23 11:22	
92649233012	BOW-AP1-FD-01					
EPA 9315	Radium-226	0.115 ± 0.104 (0.188) C:83% T:NA	pCi/L		02/21/23 19:34	
EPA 9320	Radium-228	0.677 ± 0.475 (0.909) C:76% T:79%	pCi/L		02/13/23 17:19	
Total Radium Calculation	Total Radium	0.792 ± 0.579 (1.10)	pCi/L		02/23/23 11:22	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233013	BOW-BGWC-50D					
EPA 9315	Radium-226	0.588 ± 0.208 (0.190) C:79% T:NA	pCi/L		02/21/23 19:35	
EPA 9320	Radium-228	-0.0263 ± 0.426 (1.00) C:74% T:76%	pCi/L		02/13/23 17:19	
Total Radium Calculation	Total Radium	0.588 ± 0.634 (1.19)	pCi/L		02/23/23 11:22	
92649233014	BOW-AP1-FB-02					
EPA 9315	Radium-226	0.0249 ± 0.0804 (0.199) C:93% T:NA	pCi/L		02/21/23 19:35	
EPA 9320	Radium-228	-0.0827 ± 0.424 (1.01) C:73% T:73%	pCi/L		02/13/23 17:19	
Total Radium Calculation	Total Radium	0.0249 ± 0.504 (1.21)	pCi/L		02/23/23 11:22	
92649233015	BOW-AP1-FB-01					
EPA 9315	Radium-226	0.0118 ± 0.0722 (0.191) C:91% T:NA	pCi/L		02/21/23 19:24	
EPA 9320	Radium-228	0.544 ± 0.405 (0.782) C:78% T:81%	pCi/L		02/13/23 17:19	
Total Radium Calculation	Total Radium	0.556 ± 0.477 (0.973)	pCi/L		02/23/23 11:22	
92649233016	BOW-AP1-FB-03					
EPA 9315	Radium-226	0.0577 ± 0.0834 (0.179) C:94% T:NA	pCi/L		02/21/23 19:24	
EPA 9320	Radium-228	0.552 ± 0.459 (0.913) C:78% T:79%	pCi/L		02/13/23 17:19	
Total Radium Calculation	Total Radium	0.610 ± 0.542 (1.09)	pCi/L		02/23/23 11:22	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233017	BOW-BGWC-9					
EPA 9315	Radium-226	0.178 ± 0.124 (0.201) C:86% T:NA	pCi/L		02/21/23 19:25	
EPA 9320	Radium-228	0.0696 ± 0.487 (1.11) C:73% T:82%	pCi/L		02/13/23 17:19	
Total Radium Calculation	Total Radium	0.248 ± 0.611 (1.31)	pCi/L		02/23/23 11:22	
92649233018	BOW-BGWC-12					
EPA 9315	Radium-226	0.00880 ± 0.0943 (0.245) C:88% T:NA	pCi/L		02/22/23 08:49	
EPA 9320	Radium-228	0.655 ± 0.539 (1.08) C:75% T:78%	pCi/L		02/13/23 17:20	
Total Radium Calculation	Total Radium	0.664 ± 0.633 (1.33)	pCi/L		02/23/23 11:22	
92649233019	BOW-BGWC-14A					
EPA 9315	Radium-226	0.125 ± 0.115 (0.218) C:85% T:NA	pCi/L		02/22/23 08:51	
EPA 9320	Radium-228	1.18 ± 0.587 (1.04) C:76% T:80%	pCi/L		02/13/23 17:20	
Total Radium Calculation	Total Radium	1.31 ± 0.702 (1.26)	pCi/L		02/23/23 11:22	
92649233020	BOW-BGWC-16					
EPA 9315	Radium-226	0.246 ± 0.131 (0.174) C:90% T:NA	pCi/L		02/22/23 09:01	
EPA 9320	Radium-228	0.959 ± 0.574 (1.08) C:75% T:84%	pCi/L		02/13/23 17:20	
Total Radium Calculation	Total Radium	1.21 ± 0.705 (1.25)	pCi/L		02/23/23 11:22	

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233021	BOW-BGWC-10					
EPA 9315	Radium-226	0.647 ± 0.173 (0.143)	pCi/L		02/21/23 19:32	
EPA 9320	Radium-228	C:91% T:NA 1.17 ± 0.495 (0.825)	pCi/L		02/14/23 14:36	
Total Radium Calculation	Total Radium	C:87% T:85% 1.82 ± 0.668 (0.968)	pCi/L		02/23/23 11:24	
92649233022	BOW-BGWC-19					
EPA 9315	Radium-226	0.242 ± 0.148 (0.216)	pCi/L		02/21/23 19:32	
EPA 9320	Radium-228	C:88% T:NA 0.914 ± 0.434 (0.754)	pCi/L		02/14/23 14:36	
Total Radium Calculation	Total Radium	C:84% T:91% 1.16 ± 0.582 (0.970)	pCi/L		02/23/23 11:24	
92649233023	BOW-BGWC-21					
EPA 9315	Radium-226	0.137 ± 0.106 (0.168)	pCi/L		02/21/23 19:33	
EPA 9320	Radium-228	C:97% T:NA 0.143 ± 0.405 (0.906)	pCi/L		02/14/23 14:36	
Total Radium Calculation	Total Radium	C:69% T:91% 0.280 ± 0.511 (1.07)	pCi/L		02/23/23 11:24	
92649233024	BOW-BGWC-25					
EPA 9315	Radium-226	0.175 ± 0.118 (0.183)	pCi/L		02/21/23 19:33	
EPA 9320	Radium-228	C:97% T:NA 0.593 ± 0.426 (0.839)	pCi/L		02/14/23 14:36	
Total Radium Calculation	Total Radium	C:81% T:90% 0.768 ± 0.544 (1.02)	pCi/L		02/23/23 11:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233025	BOW-BGWC-31					
EPA 9315	Radium-226	0.676 ± 0.231 (0.208) C:93% T:NA	pCi/L		02/21/23 19:33	
EPA 9320	Radium-228	0.781 ± 0.401 (0.712) C:86% T:90%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	1.46 ± 0.632 (0.920)	pCi/L		02/23/23 11:24	
92649233026	BOW-AP1-FB-04					
EPA 9315	Radium-226	0.00862 ± 0.0802 (0.213) C:98% T:NA	pCi/L		02/21/23 19:33	
EPA 9320	Radium-228	0.108 ± 0.330 (0.740) C:80% T:94%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	0.117 ± 0.410 (0.953)	pCi/L		02/23/23 11:24	
92649233027	BOW-BGWC-20					
EPA 9315	Radium-226	0.289 ± 0.153 (0.211) C:97% T:NA	pCi/L		02/21/23 19:34	
EPA 9320	Radium-228	0.274 ± 0.348 (0.739) C:80% T:89%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	0.563 ± 0.501 (0.950)	pCi/L		02/23/23 11:24	
92649233028	BOW-BGWC-34D					
EPA 9315	Radium-226	1.76 ± 0.414 (0.205) C:92% T:NA	pCi/L		02/21/23 19:34	
EPA 9320	Radium-228	0.816 ± 0.405 (0.714) C:86% T:92%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	2.58 ± 0.819 (0.919)	pCi/L		02/23/23 11:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233029	BOW-BGWC-35D					
EPA 9315	Radium-226	1.19 ± 0.315 (0.194) C:100% T:NA	pCi/L		02/21/23 19:34	
EPA 9320	Radium-228	1.11 ± 0.472 (0.776) C:84% T:86%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	2.30 ± 0.787 (0.970)	pCi/L		02/23/23 11:24	
92649233030	BOW-BGWC-37D					
EPA 9315	Radium-226	0.829 ± 0.260 (0.231) C:91% T:NA	pCi/L		02/22/23 08:54	
EPA 9320	Radium-228	1.31 ± 0.486 (0.723) C:82% T:85%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	2.14 ± 0.746 (0.954)	pCi/L		02/23/23 11:24	
92649233031	BOW-BGWC-42D					
EPA 9315	Radium-226	0.191 ± 0.132 (0.211) C:94% T:NA	pCi/L		02/22/23 08:57	
EPA 9320	Radium-228	0.519 ± 0.385 (0.755) C:84% T:83%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	0.710 ± 0.517 (0.966)	pCi/L		02/23/23 11:24	
92649233032	BOW-AP1-FD-03					
EPA 9315	Radium-226	0.582 ± 0.215 (0.207) C:90% T:NA	pCi/L		02/22/23 08:57	
EPA 9320	Radium-228	1.36 ± 0.543 (0.869) C:77% T:89%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	1.94 ± 0.758 (1.08)	pCi/L		02/23/23 11:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233033	BOW-AP1-FB-05					
EPA 9315	Radium-226	0.0387 ± 0.0870 (0.206) C:100% T:NA	pCi/L		02/22/23 08:57	
EPA 9320	Radium-228	0.0205 ± 0.311 (0.718) C:86% T:88%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	0.0592 ± 0.398 (0.924)	pCi/L		02/23/23 11:24	
92649233034	BOW-BGWC-32					
EPA 9315	Radium-226	0.746 ± 0.237 (0.180) C:94% T:NA	pCi/L		02/22/23 08:58	
EPA 9320	Radium-228	0.745 ± 0.438 (0.809) C:76% T:85%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	1.49 ± 0.675 (0.989)	pCi/L		02/23/23 11:24	
92649233035	BOW-BGWC-40					
EPA 9315	Radium-226	0.123 ± 0.102 (0.170) C:94% T:NA	pCi/L		02/22/23 10:21	
EPA 9320	Radium-228	0.375 ± 0.369 (0.760) C:79% T:84%	pCi/L		02/14/23 14:37	
Total Radium Calculation	Total Radium	0.498 ± 0.471 (0.930)	pCi/L		02/23/23 11:24	
92649233036	BOW-BGWC-51					
EPA 9315	Radium-226	-0.00237 ± 0.0605 (0.175) C:98% T:NA	pCi/L		02/22/23 10:21	
EPA 9320	Radium-228	0.707 ± 0.350 (0.590) C:80% T:101%	pCi/L		02/14/23 17:45	
Total Radium Calculation	Total Radium	0.707 ± 0.411 (0.765)	pCi/L		02/23/23 11:24	

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233037	BOW-BGWC-52					
EPA 9315	Radium-226	0.0979 ± 0.0975 (0.184) C:96% T:NA	pCi/L		02/22/23 10:21	
EPA 9320	Radium-228	0.482 ± 0.308 (0.565) C:80% T:96%	pCi/L		02/14/23 17:45	
Total Radium Calculation	Total Radium	0.580 ± 0.406 (0.749)	pCi/L		02/23/23 11:24	
92649233038	BOW-AP1-EB-01					
EPA 9315	Radium-226	0.0511 ± 0.0859 (0.192) C:100% T:NA	pCi/L		02/22/23 10:21	
EPA 9320	Radium-228	0.478 ± 0.318 (0.599) C:77% T:104%	pCi/L		02/14/23 17:45	
Total Radium Calculation	Total Radium	0.529 ± 0.404 (0.791)	pCi/L		02/23/23 11:24	
92649233039	BOW-AP1-FB-06					
EPA 9315	Radium-226	0.0414 ± 0.0745 (0.168) C:93% T:NA	pCi/L		02/22/23 10:21	
EPA 9320	Radium-228	0.131 ± 0.280 (0.622) C:78% T:95%	pCi/L		02/14/23 17:45	
Total Radium Calculation	Total Radium	0.172 ± 0.355 (0.790)	pCi/L		02/23/23 11:24	
92649233040	BOW-BGWC-24					
EPA 9315	Radium-226	0.596 ± 0.207 (0.180) C:95% T:NA	pCi/L		02/22/23 10:21	
EPA 9320	Radium-228	0.706 ± 0.396 (0.738) C:83% T:106%	pCi/L		02/14/23 17:45	
Total Radium Calculation	Total Radium	1.30 ± 0.603 (0.918)	pCi/L		02/23/23 11:24	

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS
Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233041	BOW-BGWC-30					
EPA 9315	Radium-226	0.536 ± 0.206 (0.169) C:98% T:NA	pCi/L		02/20/23 09:02	
EPA 9320	Radium-228	0.400 ± 0.319 (0.627) C:81% T:87%	pCi/L		02/14/23 16:29	
Total Radium Calculation	Total Radium	0.936 ± 0.525 (0.796)	pCi/L		02/27/23 08:10	
92649233042	BOW-BGWC-36D					
EPA 9315	Radium-226	0.406 ± 0.195 (0.246) C:95% T:NA	pCi/L		02/20/23 09:02	
EPA 9320	Radium-228	0.768 ± 0.390 (0.678) C:81% T:88%	pCi/L		02/14/23 16:29	
Total Radium Calculation	Total Radium	1.17 ± 0.585 (0.924)	pCi/L		02/27/23 08:10	
92649233043	BOW-BGWC-41D					
EPA 9315	Radium-226	0.890 ± 0.274 (0.194) C:98% T:NA	pCi/L		02/20/23 09:02	
EPA 9320	Radium-228	0.695 ± 0.375 (0.667) C:81% T:91%	pCi/L		02/14/23 16:29	
Total Radium Calculation	Total Radium	1.59 ± 0.649 (0.861)	pCi/L		02/27/23 08:10	
92649233044	BOW-BGWC-49D					
EPA 9315	Radium-226	0.612 ± 0.225 (0.211) C:100% T:NA	pCi/L		02/20/23 09:02	
EPA 9320	Radium-228	0.957 ± 0.412 (0.653) C:78% T:88%	pCi/L		02/14/23 16:29	
Total Radium Calculation	Total Radium	1.57 ± 0.637 (0.864)	pCi/L		02/27/23 08:10	

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233045	BOW-AP1-FD-04					
EPA 9315	Radium-226	0.825 ± 0.262 (0.211) C:101%	pCi/L		02/20/23 09:02	
EPA 9320	Radium-228	T:NA 0.787 ± 0.393 (0.667) C:77%	pCi/L		02/14/23 16:30	
Total Radium Calculation	Total Radium	T:85% 1.61 ± 0.655 (0.878)	pCi/L		02/27/23 08:10	
92649233046	BOW-AP1-EB-02					
EPA 9315	Radium-226	0.154 ± 0.116 (0.183) C:101%	pCi/L		02/20/23 09:02	
EPA 9320	Radium-228	T:NA 0.0797 ± 0.289 (0.656) C:78%	pCi/L		02/14/23 16:30	
Total Radium Calculation	Total Radium	T:94% 0.234 ± 0.405 (0.839)	pCi/L		02/27/23 08:10	
92649233047	BOW-AP1-FB-07					
EPA 9315	Radium-226	0.0254 ± 0.0851 (0.214) C:100%	pCi/L		02/20/23 09:03	
EPA 9320	Radium-228	T:NA 0.177 ± 0.276 (0.598) C:83%	pCi/L		02/14/23 16:30	
Total Radium Calculation	Total Radium	T:93% 0.202 ± 0.361 (0.812)	pCi/L		02/27/23 08:10	
92649233048	BOW-BGWA-33					
EPA 9315	Radium-226	0.930 ± 0.261 (0.190) C:101%	pCi/L		03/01/23 09:11	
EPA 9320	Radium-228	T:NA 0.281 ± 0.327 (0.685) C:88%	pCi/L		02/28/23 17:07	
		T:82%				

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233048	BOW-BGWA-33					
Total Radium Calculation	Total Radium	1.21 ± 0.588 (0.875)	pCi/L		03/03/23 15:28	
92649233049	BOW-BGWC-23					
EPA 9315	Radium-226	0.318 ± 0.157 (0.188)	pCi/L		03/01/23 09:31	
EPA 9320	Radium-228	C:93% T:NA 0.465 ± 0.357 (0.692)	pCi/L		02/28/23 17:07	
Total Radium Calculation	Total Radium	C:85% T:84% 0.783 ± 0.514 (0.880)	pCi/L		03/03/23 15:28	
92649233050	BOW-BGWC-39					
EPA 9315	Radium-226	0.107 ± 0.106 (0.201)	pCi/L		03/01/23 10:46	
EPA 9320	Radium-228	C:82% T:NA 0.835 ± 0.432 (0.748)	pCi/L		02/28/23 17:08	
Total Radium Calculation	Total Radium	C:82% T:83% 0.942 ± 0.538 (0.949)	pCi/L		03/03/23 15:28	
92649233051	BOW-PZ-7					
EPA 9315	Radium-226	0.118 ± 0.117 (0.219)	pCi/L		03/01/23 09:01	
EPA 9320	Radium-228	C:87% T:NA 0.630 ± 0.400 (0.750)	pCi/L		02/28/23 17:08	
Total Radium Calculation	Total Radium	C:81% T:89% 0.748 ± 0.517 (0.969)	pCi/L		03/03/23 15:28	
92649233052	BOW-AP1-EB-03					
EPA 9315	Radium-226	-0.0217 ± 0.107 (0.304)	pCi/L		02/28/23 08:39	
EPA 9320	Radium-228	C:97% T:NA 0.497 ± 0.393 (0.790)	pCi/L		02/28/23 12:38	
		C:83% T:88%				

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233052	BOW-AP1-EB-03					
Total Radium Calculation	Total Radium	0.497 ± 0.500 (1.09)	pCi/L		02/28/23 16:08	
92649233053	BOW-AP1-FB-08					
EPA 9315	Radium-226	-0.0348 ± 0.0751 (0.252)	pCi/L		02/28/23 08:40	
EPA 9320	Radium-228	C:96% T:NA 0.389 ± 0.381 (0.787)	pCi/L		02/28/23 12:38	
Total Radium Calculation	Total Radium	C:76% T:90% 0.389 ± 0.456 (1.04)	pCi/L		02/28/23 16:08	
92649233054	BOW-BGWC-22					
EPA 9315	Radium-226	0.889 ± 0.292 (0.284)	pCi/L		03/03/23 09:54	
EPA 9320	Radium-228	C:98% T:NA 0.557 ± 0.470 (0.937)	pCi/L		02/28/23 17:09	
Total Radium Calculation	Total Radium	C:69% T:80% 1.45 ± 0.762 (1.22)	pCi/L		03/06/23 14:37	
92649233055	BOW-BGWC-38D					
EPA 9315	Radium-226	1.37 ± 0.371 (0.212)	pCi/L		03/03/23 09:54	
EPA 9320	Radium-228	C:95% T:NA 1.56 ± 0.557 (0.789)	pCi/L		02/28/23 17:10	
Total Radium Calculation	Total Radium	C:77% T:88% 2.93 ± 0.928 (1.00)	pCi/L		03/06/23 14:37	
92649233056	BOW-BGWC-43D					
EPA 9315	Radium-226	0.575 ± 0.225 (0.211)	pCi/L		03/03/23 09:54	
EPA 9320	Radium-228	C:92% T:NA 0.956 ± 0.517 (0.923)	pCi/L		02/28/23 17:10	
		C:75% T:79%				

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SUMMARY OF DETECTION

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92649233056	BOW-BGWC-43D					
Total Radium Calculation	Total Radium	1.53 ± 0.742 (1.13)	pCi/L		03/06/23 14:37	
92649233057	BOW-AP1-FD-05					
EPA 9315	Radium-226	0.779 ± 0.263 (0.202)	pCi/L		03/03/23 09:54	
EPA 9320	Radium-228	C:94% T:NA 0.508 ± 0.388 (0.754)	pCi/L		02/28/23 17:10	
Total Radium Calculation	Total Radium	C:77% T:83% 1.29 ± 0.651 (0.956)	pCi/L		03/06/23 14:37	
92649233058	BOW-AP1-EB-04					
EPA 9315	Radium-226	-0.0164 ± 0.127 (0.349)	pCi/L		03/03/23 08:27	
EPA 9320	Radium-228	C:92% T:NA 0.404 ± 0.415 (0.859)	pCi/L		02/28/23 17:10	
Total Radium Calculation	Total Radium	C:78% T:83% 0.404 ± 0.542 (1.21)	pCi/L		03/06/23 14:37	
92649233059	BOW-AP1-FB-9					
EPA 9315	Radium-226	0.101 ± 0.145 (0.315)	pCi/L		03/03/23 08:27	
EPA 9320	Radium-228	C:92% T:NA -0.151 ± 0.298 (0.742)	pCi/L		02/28/23 17:11	
Total Radium Calculation	Total Radium	C:74% T:89% 0.101 ± 0.443 (1.06)	pCi/L		03/06/23 14:37	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.184 ± 0.111 (0.159) C:96% T:NA	pCi/L	02/21/23 18:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	1.34 ± 0.601 (0.966) C:77% T:69%	pCi/L	02/13/23 17:17	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.52 ± 0.712 (1.13)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWA-29 **Lab ID: 92649233002** Collected: 01/24/23 12:26 Received: 01/27/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0780 ± 0.0855 (0.167) C:93% T:NA	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.633 ± 0.416 (0.769) C:76% T:80%	pCi/L	02/13/23 17:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.711 ± 0.502 (0.936)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: **BOW-BGWA-47D** Lab ID: **92649233003** Collected: 01/24/23 13:59 Received: 01/27/23 12:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.228 ± 0.127 (0.178) C:93% T:NA	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.727 ± 0.450 (0.830) C:72% T:86%	pCi/L	02/13/23 17:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.955 ± 0.577 (1.01)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.149 ± 0.100 (0.148) C:94% T:NA	pCi/L	02/21/23 18:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.440 ± 0.436 (0.889) C:71% T:77%	pCi/L	02/13/23 17:18	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.589 ± 0.536 (1.04)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-7 Lab ID: 92649233005 Collected: 01/26/23 11:48 Received: 01/27/23 12:10 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.592 ± 0.193 (0.156) C:97% T:NA	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.14 ± 0.618 (1.14) C:74% T:82%	pCi/L	02/13/23 17:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.73 ± 0.811 (1.30)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.199 ± 0.129 (0.217) C:93% T:NA	pCi/L	02/21/23 18:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.430 ± 0.501 (1.06) C:75% T:80%	pCi/L	02/13/23 17:18	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.629 ± 0.630 (1.28)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-17 **Lab ID: 92649233007** Collected: 01/26/23 13:14 Received: 01/27/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0442 ± 0.0823 (0.188) C:90% T:NA	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.974 ± 0.558 (1.03) C:76% T:82%	pCi/L	02/13/23 17:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.02 ± 0.640 (1.22)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-18 **Lab ID: 92649233008** Collected: 01/26/23 14:52 Received: 01/27/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.109 ± 0.101 (0.183) C:78% T:NA	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.35 ± 0.670 (1.20) C:75% T:79%	pCi/L	02/13/23 17:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.46 ± 0.771 (1.38)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: **BOW-BGWA-6** Lab ID: **92649233009** Collected: 01/25/23 12:30 Received: 01/27/23 12:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.388 ± 0.154 (0.135) C:92% T:NA	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.335 ± 0.281 (0.565) C:122% T:84%	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.723 ± 0.435 (0.700)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.205 ± 0.145 (0.256) C:83% T:NA	pCi/L	02/21/23 19:31	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.412 ± 0.397 (0.807) C:75% T:80%	pCi/L	02/13/23 17:19	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.617 ± 0.542 (1.06)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-AP1-FD-02 Lab ID: 92649233011 Collected: 01/26/23 00:00 Received: 01/27/23 12:10 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.0706 ± 0.0552 (0.227) C:81% T:NA	pCi/L	02/21/23 19:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.731 ± 0.449 (0.821) C:77% T:80%	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.731 ± 0.504 (1.05)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-AP1-FD-01 **Lab ID: 92649233012** Collected: 01/24/23 00:00 Received: 01/27/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.115 ± 0.104 (0.188) C:83% T:NA	pCi/L	02/21/23 19:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.677 ± 0.475 (0.909) C:76% T:79%	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.792 ± 0.579 (1.10)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-50D **Lab ID: 92649233013** Collected: 01/25/23 15:35 Received: 01/27/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.588 ± 0.208 (0.190) C:79% T:NA	pCi/L	02/21/23 19:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.0263 ± 0.426 (1.00) C:74% T:76%	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.588 ± 0.634 (1.19)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: **BOW-AP1-FB-02** Lab ID: **92649233014** Collected: 01/25/23 15:48 Received: 01/27/23 12:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0249 ± 0.0804 (0.199) C:93% T:NA	pCi/L	02/21/23 19:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.0827 ± 0.424 (1.01) C:73% T:73%	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.0249 ± 0.504 (1.21)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-AP1-FB-01 **Lab ID: 92649233015** Collected: 01/24/23 15:50 Received: 01/27/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0118 ± 0.0722 (0.191) C:91% T:NA	pCi/L	02/21/23 19:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.544 ± 0.405 (0.782) C:78% T:81%	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.556 ± 0.477 (0.973)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-AP1-FB-03 **Lab ID: 92649233016** Collected: 01/26/23 15:48 Received: 01/27/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0577 ± 0.0834 (0.179) C:94% T:NA	pCi/L	02/21/23 19:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.552 ± 0.459 (0.913) C:78% T:79%	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.610 ± 0.542 (1.09)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: **BOW-BGWC-9** Lab ID: **92649233017** Collected: 01/26/23 15:35 Received: 01/27/23 12:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.178 ± 0.124 (0.201) C:86% T:NA	pCi/L	02/21/23 19:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0696 ± 0.487 (1.11) C:73% T:82%	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.248 ± 0.611 (1.31)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-12 **Lab ID: 92649233018** Collected: 01/26/23 10:35 Received: 01/27/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.00880 ± 0.0943 (0.245) C:88% T:NA	pCi/L	02/22/23 08:49	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.655 ± 0.539 (1.08) C:75% T:78%	pCi/L	02/13/23 17:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.664 ± 0.633 (1.33)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-14A **Lab ID: 92649233019** Collected: 01/26/23 10:40 Received: 01/27/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.125 ± 0.115 (0.218) C:85% T:NA	pCi/L	02/22/23 08:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.18 ± 0.587 (1.04) C:76% T:80%	pCi/L	02/13/23 17:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.31 ± 0.702 (1.26)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: **BOW-BGWC-16** Lab ID: **92649233020** Collected: 01/26/23 11:52 Received: 01/27/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.246 ± 0.131 (0.174) C:90% T:NA	pCi/L	02/22/23 09:01	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.959 ± 0.574 (1.08) C:75% T:84%	pCi/L	02/13/23 17:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.21 ± 0.705 (1.25)	pCi/L	02/23/23 11:22	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-10 **Lab ID: 92649233021** Collected: 01/27/23 10:00 Received: 01/31/23 14:30 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.647 ± 0.173 (0.143) C:91% T:NA	pCi/L	02/21/23 19:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.17 ± 0.495 (0.825) C:87% T:85%	pCi/L	02/14/23 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.82 ± 0.668 (0.968)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.242 ± 0.148 (0.216) C:88% T:NA	pCi/L	02/21/23 19:32	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.914 ± 0.434 (0.754) C:84% T:91%	pCi/L	02/14/23 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.16 ± 0.582 (0.970)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-21 **Lab ID: 92649233023** Collected: 01/27/23 13:18 Received: 01/31/23 14:30 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.137 ± 0.106 (0.168) C:97% T:NA	pCi/L	02/21/23 19:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.143 ± 0.405 (0.906) C:69% T:91%	pCi/L	02/14/23 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.280 ± 0.511 (1.07)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.175 ± 0.118 (0.183) C:97% T:NA	pCi/L	02/21/23 19:33	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.593 ± 0.426 (0.839) C:81% T:90%	pCi/L	02/14/23 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.768 ± 0.544 (1.02)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-31 Lab ID: 92649233025 Collected: 01/27/23 11:20 Received: 01/31/23 14:30 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.676 ± 0.231 (0.208) C:93% T:NA	pCi/L	02/21/23 19:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.781 ± 0.401 (0.712) C:86% T:90%	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.46 ± 0.632 (0.920)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-AP1-FB-04 **Lab ID: 92649233026** Collected: 01/27/23 11:10 Received: 01/31/23 14:30 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.00862 ± 0.0802 (0.213) C:98% T:NA	pCi/L	02/21/23 19:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.108 ± 0.330 (0.740) C:80% T:94%	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.117 ± 0.410 (0.953)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.289 ± 0.153 (0.211) C:97% T:NA	pCi/L	02/21/23 19:34	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.274 ± 0.348 (0.739) C:80% T:89%	pCi/L	02/14/23 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.563 ± 0.501 (0.950)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	1.76 ± 0.414 (0.205) C:92% T:NA	pCi/L	02/21/23 19:34	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.816 ± 0.405 (0.714) C:86% T:92%	pCi/L	02/14/23 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	2.58 ± 0.819 (0.919)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-35D Lab ID: 92649233029 Collected: 01/30/23 10:35 Received: 01/31/23 14:30 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.19 ± 0.315 (0.194) C:100% T:NA	pCi/L	02/21/23 19:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.11 ± 0.472 (0.776) C:84% T:86%	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.30 ± 0.787 (0.970)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: **BOW-BGWC-37D** Lab ID: **92649233030** Collected: 01/30/23 12:35 Received: 01/31/23 14:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.829 ± 0.260 (0.231) C:91% T:NA	pCi/L	02/22/23 08:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.31 ± 0.486 (0.723) C:82% T:85%	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.14 ± 0.746 (0.954)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-42D Lab ID: 92649233031 Collected: 01/30/23 14:35 Received: 01/31/23 14:30 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.191 ± 0.132 (0.211) C:94% T:NA	pCi/L	02/22/23 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.519 ± 0.385 (0.755) C:84% T:83%	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.710 ± 0.517 (0.966)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-AP1-FD-03 **Lab ID: 92649233032** Collected: 01/30/23 00:00 Received: 01/31/23 14:30 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.582 ± 0.215 (0.207) C:90% T:NA	pCi/L	02/22/23 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.36 ± 0.543 (0.869) C:77% T:89%	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.94 ± 0.758 (1.08)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-AP1-FB-05 **Lab ID: 92649233033** Collected: 01/30/23 15:45 Received: 01/31/23 14:30 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0387 ± 0.0870 (0.206) C:100% T:NA	pCi/L	02/22/23 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0205 ± 0.311 (0.718) C:86% T:88%	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.0592 ± 0.398 (0.924)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-32 **Lab ID: 92649233034** Collected: 01/31/23 12:22 Received: 02/02/23 08:40 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.746 ± 0.237 (0.180) C:94% T:NA	pCi/L	02/22/23 08:58	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.745 ± 0.438 (0.809) C:76% T:85%	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.49 ± 0.675 (0.989)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.123 ± 0.102 (0.170) C:94% T:NA	pCi/L	02/22/23 10:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.375 ± 0.369 (0.760) C:79% T:84%	pCi/L	02/14/23 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.498 ± 0.471 (0.930)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-51 Lab ID: 92649233036 Collected: 01/31/23 13:00 Received: 02/02/23 08:40 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.00237 ± 0.0605 (0.175) C:98% T:NA	pCi/L	02/22/23 10:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.707 ± 0.350 (0.590) C:80% T:101%	pCi/L	02/14/23 17:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.707 ± 0.411 (0.765)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0979 ± 0.0975 (0.184) C:96% T:NA	pCi/L	02/22/23 10:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.482 ± 0.308 (0.565) C:80% T:96%	pCi/L	02/14/23 17:45	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.580 ± 0.406 (0.749)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-AP1-EB-01 Lab ID: 92649233038 Collected: 01/31/23 13:55 Received: 02/02/23 08:40 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0511 ± 0.0859 (0.192) C:100% T:NA	pCi/L	02/22/23 10:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.478 ± 0.318 (0.599) C:77% T:104%	pCi/L	02/14/23 17:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.529 ± 0.404 (0.791)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-AP1-FB-06 **Lab ID: 92649233039** Collected: 01/31/23 13:40 Received: 02/02/23 08:40 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0414 ± 0.0745 (0.168) C:93% T:NA	pCi/L	02/22/23 10:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.131 ± 0.280 (0.622) C:78% T:95%	pCi/L	02/14/23 17:45	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.172 ± 0.355 (0.790)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.596 ± 0.207 (0.180) C:95% T:NA	pCi/L	02/22/23 10:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.706 ± 0.396 (0.738) C:83% T:106%	pCi/L	02/14/23 17:45	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.30 ± 0.603 (0.918)	pCi/L	02/23/23 11:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-30 **Lab ID: 92649233041** Collected: 02/01/23 15:30 Received: 02/02/23 08:40 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.536 ± 0.206 (0.169) C:98% T:NA	pCi/L	02/20/23 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.400 ± 0.319 (0.627) C:81% T:87%	pCi/L	02/14/23 16:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.936 ± 0.525 (0.796)	pCi/L	02/27/23 08:10	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-36D **Lab ID: 92649233042** Collected: 02/01/23 13:50 Received: 02/02/23 08:40 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.406 ± 0.195 (0.246) C:95% T:NA	pCi/L	02/20/23 09:02	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.768 ± 0.390 (0.678) C:81% T:88%	pCi/L	02/14/23 16:29	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.17 ± 0.585 (0.924)	pCi/L	02/27/23 08:10	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-41D Lab ID: 92649233043 Collected: 02/01/23 10:13 Received: 02/02/23 08:40 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.890 ± 0.274 (0.194) C:98% T:NA	pCi/L	02/20/23 09:02	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.695 ± 0.375 (0.667) C:81% T:91%	pCi/L	02/14/23 16:29	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.59 ± 0.649 (0.861)	pCi/L	02/27/23 08:10	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-49D **Lab ID: 92649233044** Collected: 02/01/23 11:55 Received: 02/02/23 08:40 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.612 ± 0.225 (0.211) C:100% T:NA	pCi/L	02/20/23 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.957 ± 0.412 (0.653) C:78% T:88%	pCi/L	02/14/23 16:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.57 ± 0.637 (0.864)	pCi/L	02/27/23 08:10	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.825 ± 0.262 (0.211) C:101% T:NA	pCi/L	02/20/23 09:02	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.787 ± 0.393 (0.667) C:77% T:85%	pCi/L	02/14/23 16:30	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.61 ± 0.655 (0.878)	pCi/L	02/27/23 08:10	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-AP1-EB-02 **Lab ID: 92649233046** Collected: 02/01/23 16:15 Received: 02/02/23 08:40 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.154 ± 0.116 (0.183) C:101% T:NA	pCi/L	02/20/23 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0797 ± 0.289 (0.656) C:78% T:94%	pCi/L	02/14/23 16:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.234 ± 0.405 (0.839)	pCi/L	02/27/23 08:10	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0254 ± 0.0851 (0.214) C:100% T:NA	pCi/L	02/20/23 09:03	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.177 ± 0.276 (0.598) C:83% T:93%	pCi/L	02/14/23 16:30	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.202 ± 0.361 (0.812)	pCi/L	02/27/23 08:10	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWA-33 **Lab ID: 92649233048** Collected: 02/02/23 09:55 Received: 02/07/23 11:50 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.930 ± 0.261 (0.190) C:101% T:NA	pCi/L	03/01/23 09:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.281 ± 0.327 (0.685) C:88% T:82%	pCi/L	02/28/23 17:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.21 ± 0.588 (0.875)	pCi/L	03/03/23 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.318 ± 0.157 (0.188) C:93% T:NA	pCi/L	03/01/23 09:31	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.465 ± 0.357 (0.692) C:85% T:84%	pCi/L	02/28/23 17:07	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.783 ± 0.514 (0.880)	pCi/L	03/03/23 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.107 ± 0.106 (0.201) C:82% T:NA	pCi/L	03/01/23 10:46	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.835 ± 0.432 (0.748) C:82% T:83%	pCi/L	02/28/23 17:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.942 ± 0.538 (0.949)	pCi/L	03/03/23 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-PZ-7 Lab ID: 92649233051 Collected: 02/02/23 13:05 Received: 02/07/23 11:50 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.118 ± 0.117 (0.219) C:87% T:NA	pCi/L	03/01/23 09:01	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.630 ± 0.400 (0.750) C:81% T:89%	pCi/L	02/28/23 17:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.748 ± 0.517 (0.969)	pCi/L	03/03/23 15:28	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-AP1-EB-03 Lab ID: 92649233052 Collected: 02/02/23 13:10 Received: 02/07/23 11:50 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	-0.0217 ± 0.107 (0.304) C:97% T:NA	pCi/L	02/28/23 08:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.497 ± 0.393 (0.790) C:83% T:88%	pCi/L	02/28/23 12:38	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.497 ± 0.500 (1.09)	pCi/L	02/28/23 16:08	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-AP1-FB-08 Lab ID: 92649233053 Collected: 02/02/23 13:00 Received: 02/07/23 11:50 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.0348 ± 0.0751 (0.252) C:96% T:NA	pCi/L	02/28/23 08:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.389 ± 0.381 (0.787) C:76% T:90%	pCi/L	02/28/23 12:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.389 ± 0.456 (1.04)	pCi/L	02/28/23 16:08	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.889 ± 0.292 (0.284) C:98% T:NA	pCi/L	03/03/23 09:54	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.557 ± 0.470 (0.937) C:69% T:80%	pCi/L	02/28/23 17:09	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.45 ± 0.762 (1.22)	pCi/L	03/06/23 14:37	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-BGWC-38D **Lab ID: 92649233055** Collected: 02/07/23 15:36 Received: 02/10/23 15:30 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.37 ± 0.371 (0.212) C:95% T:NA	pCi/L	03/03/23 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.56 ± 0.557 (0.789) C:77% T:88%	pCi/L	02/28/23 17:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.93 ± 0.928 (1.00)	pCi/L	03/06/23 14:37	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: **BOW-BGWC-43D** Lab ID: **92649233056** Collected: 02/07/23 11:39 Received: 02/10/23 15:30 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.575 ± 0.225 (0.211) C:92% T:NA	pCi/L	03/03/23 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.956 ± 0.517 (0.923) C:75% T:79%	pCi/L	02/28/23 17:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.53 ± 0.742 (1.13)	pCi/L	03/06/23 14:37	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.779 ± 0.263 (0.202) C:94% T:NA	pCi/L	03/03/23 09:54	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.508 ± 0.388 (0.754) C:77% T:83%	pCi/L	02/28/23 17:10	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.29 ± 0.651 (0.956)	pCi/L	03/06/23 14:37	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Sample: BOW-AP1-EB-04 **Lab ID: 92649233058** Collected: 02/07/23 13:30 Received: 02/10/23 15:30 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.0164 ± 0.127 (0.349) C:92% T:NA	pCi/L	03/03/23 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.404 ± 0.415 (0.859) C:78% T:83%	pCi/L	02/28/23 17:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.404 ± 0.542 (1.21)	pCi/L	03/06/23 14:37	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-AP1-FB-9 Lab ID: 92649233059 Collected: 02/07/23 13:25 Received: 02/10/23 15:30 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.101 ± 0.145 (0.315) C:92% T:NA	pCi/L	03/03/23 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.151 ± 0.298 (0.742) C:74% T:89%	pCi/L	02/28/23 17:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.101 ± 0.443 (1.06)	pCi/L	03/06/23 14:37	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch:	564420	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233001, 92649233002, 92649233003, 92649233004, 92649233005, 92649233006, 92649233007, 92649233008, 92649233009, 92649233010, 92649233011, 92649233012, 92649233013, 92649233014, 92649233015, 92649233016, 92649233017, 92649233018, 92649233019, 92649233020

METHOD BLANK: 2740744 Matrix: Water

Associated Lab Samples: 92649233001, 92649233002, 92649233003, 92649233004, 92649233005, 92649233006, 92649233007, 92649233008, 92649233009, 92649233010, 92649233011, 92649233012, 92649233013, 92649233014, 92649233015, 92649233016, 92649233017, 92649233018, 92649233019, 92649233020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0615 ± 0.0737 (0.146) C:95% T:NA	pCi/L	02/21/23 18:39	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch:	565147	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233021, 92649233022, 92649233023, 92649233024, 92649233025, 92649233026, 92649233027, 92649233028, 92649233029, 92649233030, 92649233031, 92649233032, 92649233033, 92649233034, 92649233035, 92649233036, 92649233037, 92649233038, 92649233039, 92649233040

METHOD BLANK: 2743948 Matrix: Water

Associated Lab Samples: 92649233021, 92649233022, 92649233023, 92649233024, 92649233025, 92649233026, 92649233027, 92649233028, 92649233029, 92649233030, 92649233031, 92649233032, 92649233033, 92649233034, 92649233035, 92649233036, 92649233037, 92649233038, 92649233039, 92649233040

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.145 ± 0.109 (0.173) C:97% T:NA	pCi/L	02/21/23 19:31	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch: 565966

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233052, 92649233053

METHOD BLANK: 2748589

Matrix: Water

Associated Lab Samples: 92649233052, 92649233053

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.221 ± 0.151 (0.221) C:84% T:NA	pCi/L	02/28/23 09:30	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch: 566525	Analysis Method: EPA 9315
QC Batch Method: EPA 9315	Analysis Description: 9315 Total Radium
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233048, 92649233049, 92649233050, 92649233051

METHOD BLANK: 2751474 Matrix: Water

Associated Lab Samples: 92649233048, 92649233049, 92649233050, 92649233051

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0900 ± 0.112 (0.227) C:97% T:NA	pCi/L	02/28/23 21:17	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch: 565967

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233052, 92649233053

METHOD BLANK: 2748590

Matrix: Water

Associated Lab Samples: 92649233052, 92649233053

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.409 ± 0.324 (0.634) C:77% T:88%	pCi/L	02/28/23 12:36	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch:	564421	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233001, 92649233002, 92649233003, 92649233004, 92649233005, 92649233006, 92649233007, 92649233008, 92649233009, 92649233010, 92649233011, 92649233012, 92649233013, 92649233014, 92649233015, 92649233016, 92649233017, 92649233018, 92649233019, 92649233020

METHOD BLANK: 2740747 Matrix: Water

Associated Lab Samples: 92649233001, 92649233002, 92649233003, 92649233004, 92649233005, 92649233006, 92649233007, 92649233008, 92649233009, 92649233010, 92649233011, 92649233012, 92649233013, 92649233014, 92649233015, 92649233016, 92649233017, 92649233018, 92649233019, 92649233020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.433 ± 0.394 (0.801) C:76% T:81%	pCi/L	02/13/23 13:01	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch: 566526

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233048, 92649233049, 92649233050, 92649233051

METHOD BLANK: 2751475

Matrix: Water

Associated Lab Samples: 92649233048, 92649233049, 92649233050, 92649233051

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.0292 ± 0.364 (0.848) C:73% T:77%	pCi/L	02/28/23 13:30	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch: 565150

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233041, 92649233042, 92649233043, 92649233044, 92649233045, 92649233046, 92649233047

METHOD BLANK: 2743952

Matrix: Water

Associated Lab Samples: 92649233041, 92649233042, 92649233043, 92649233044, 92649233045, 92649233046, 92649233047

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.323 ± 0.277 (0.553) C:86% T:88%	pCi/L	02/14/23 13:14	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch:	565151	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233041, 92649233042, 92649233043, 92649233044, 92649233045, 92649233046, 92649233047

METHOD BLANK: 2743953 Matrix: Water

Associated Lab Samples: 92649233041, 92649233042, 92649233043, 92649233044, 92649233045, 92649233046, 92649233047

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0640 ± 0.166 (0.397) C:100% T:NA	pCi/L	02/17/23 19:36	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch:	567129	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233054, 92649233055, 92649233056, 92649233057, 92649233058, 92649233059

METHOD BLANK: 2754449 Matrix: Water

Associated Lab Samples: 92649233054, 92649233055, 92649233056, 92649233057, 92649233058, 92649233059

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.353 ± 0.207 (0.369) C:83% T:82%	pCi/L	03/03/23 11:44	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch:	567128	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233054, 92649233055, 92649233056, 92649233057, 92649233058, 92649233059

METHOD BLANK: 2754448 Matrix: Water

Associated Lab Samples: 92649233054, 92649233055, 92649233056, 92649233057, 92649233058, 92649233059

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.113 ± 0.105 (0.185) C:106% T:NA	pCi/L	03/03/23 09:54	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

QC Batch:	565148	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92649233021, 92649233022, 92649233023, 92649233024, 92649233025, 92649233026, 92649233027, 92649233028, 92649233029, 92649233030, 92649233031, 92649233032, 92649233033, 92649233034, 92649233035, 92649233036, 92649233037, 92649233038, 92649233039, 92649233040

METHOD BLANK: 2743949 Matrix: Water

Associated Lab Samples: 92649233021, 92649233022, 92649233023, 92649233024, 92649233025, 92649233026, 92649233027, 92649233028, 92649233029, 92649233030, 92649233031, 92649233032, 92649233033, 92649233034, 92649233035, 92649233036, 92649233037, 92649233038, 92649233039, 92649233040

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.577 ± 0.353 (0.650) C:83% T:93%	pCi/L	02/14/23 14:36	

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QUALIFIERS

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649233001	BOW-BGWA-2	EPA 9315	564420		
92649233002	BOW-BGWA-29	EPA 9315	564420		
92649233003	BOW-BGWA-47D	EPA 9315	564420		
92649233004	BOW-BGWA-48D	EPA 9315	564420		
92649233005	BOW-BGWC-7	EPA 9315	564420		
92649233006	BOW-BGWC-8	EPA 9315	564420		
92649233007	BOW-BGWC-17	EPA 9315	564420		
92649233008	BOW-BGWC-18	EPA 9315	564420		
92649233009	BOW-BGWA-6	EPA 9315	564420		
92649233010	BOW-BGWC-44D	EPA 9315	564420		
92649233011	BOW-AP1-FD-02	EPA 9315	564420		
92649233012	BOW-AP1-FD-01	EPA 9315	564420		
92649233013	BOW-BGWC-50D	EPA 9315	564420		
92649233014	BOW-AP1-FB-02	EPA 9315	564420		
92649233015	BOW-AP1-FB-01	EPA 9315	564420		
92649233016	BOW-AP1-FB-03	EPA 9315	564420		
92649233017	BOW-BGWC-9	EPA 9315	564420		
92649233018	BOW-BGWC-12	EPA 9315	564420		
92649233019	BOW-BGWC-14A	EPA 9315	564420		
92649233020	BOW-BGWC-16	EPA 9315	564420		
92649233021	BOW-BGWC-10	EPA 9315	565147		
92649233022	BOW-BGWC-19	EPA 9315	565147		
92649233023	BOW-BGWC-21	EPA 9315	565147		
92649233024	BOW-BGWC-25	EPA 9315	565147		
92649233025	BOW-BGWC-31	EPA 9315	565147		
92649233026	BOW-AP1-FB-04	EPA 9315	565147		
92649233027	BOW-BGWC-20	EPA 9315	565147		
92649233028	BOW-BGWC-34D	EPA 9315	565147		
92649233029	BOW-BGWC-35D	EPA 9315	565147		
92649233030	BOW-BGWC-37D	EPA 9315	565147		
92649233031	BOW-BGWC-42D	EPA 9315	565147		
92649233032	BOW-AP1-FD-03	EPA 9315	565147		
92649233033	BOW-AP1-FB-05	EPA 9315	565147		
92649233034	BOW-BGWC-32	EPA 9315	565147		
92649233035	BOW-BGWC-40	EPA 9315	565147		
92649233036	BOW-BGWC-51	EPA 9315	565147		
92649233037	BOW-BGWC-52	EPA 9315	565147		
92649233038	BOW-AP1-EB-01	EPA 9315	565147		
92649233039	BOW-AP1-FB-06	EPA 9315	565147		
92649233040	BOW-BGWC-24	EPA 9315	565147		
92649233041	BOW-BGWC-30	EPA 9315	565151		
92649233042	BOW-BGWC-36D	EPA 9315	565151		
92649233043	BOW-BGWC-41D	EPA 9315	565151		
92649233044	BOW-BGWC-49D	EPA 9315	565151		
92649233045	BOW-AP1-FD-04	EPA 9315	565151		
92649233046	BOW-AP1-EB-02	EPA 9315	565151		
92649233047	BOW-AP1-FB-07	EPA 9315	565151		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649233048	BOW-BGWA-33	EPA 9315	566525		
92649233049	BOW-BGWC-23	EPA 9315	566525		
92649233050	BOW-BGWC-39	EPA 9315	566525		
92649233051	BOW-PZ-7	EPA 9315	566525		
92649233052	BOW-AP1-EB-03	EPA 9315	565966		
92649233053	BOW-AP1-FB-08	EPA 9315	565966		
92649233054	BOW-BGWC-22	EPA 9315	567128		
92649233055	BOW-BGWC-38D	EPA 9315	567128		
92649233056	BOW-BGWC-43D	EPA 9315	567128		
92649233057	BOW-AP1-FD-05	EPA 9315	567128		
92649233058	BOW-AP1-EB-04	EPA 9315	567128		
92649233059	BOW-AP1-FB-9	EPA 9315	567128		
92649233001	BOW-BGWA-2	EPA 9320	564421		
92649233002	BOW-BGWA-29	EPA 9320	564421		
92649233003	BOW-BGWA-47D	EPA 9320	564421		
92649233004	BOW-BGWA-48D	EPA 9320	564421		
92649233005	BOW-BGWC-7	EPA 9320	564421		
92649233006	BOW-BGWC-8	EPA 9320	564421		
92649233007	BOW-BGWC-17	EPA 9320	564421		
92649233008	BOW-BGWC-18	EPA 9320	564421		
92649233009	BOW-BGWA-6	EPA 9320	564421		
92649233010	BOW-BGWC-44D	EPA 9320	564421		
92649233011	BOW-AP1-FD-02	EPA 9320	564421		
92649233012	BOW-AP1-FD-01	EPA 9320	564421		
92649233013	BOW-BGWC-50D	EPA 9320	564421		
92649233014	BOW-AP1-FB-02	EPA 9320	564421		
92649233015	BOW-AP1-FB-01	EPA 9320	564421		
92649233016	BOW-AP1-FB-03	EPA 9320	564421		
92649233017	BOW-BGWC-9	EPA 9320	564421		
92649233018	BOW-BGWC-12	EPA 9320	564421		
92649233019	BOW-BGWC-14A	EPA 9320	564421		
92649233020	BOW-BGWC-16	EPA 9320	564421		
92649233021	BOW-BGWC-10	EPA 9320	565148		
92649233022	BOW-BGWC-19	EPA 9320	565148		
92649233023	BOW-BGWC-21	EPA 9320	565148		
92649233024	BOW-BGWC-25	EPA 9320	565148		
92649233025	BOW-BGWC-31	EPA 9320	565148		
92649233026	BOW-AP1-FB-04	EPA 9320	565148		
92649233027	BOW-BGWC-20	EPA 9320	565148		
92649233028	BOW-BGWC-34D	EPA 9320	565148		
92649233029	BOW-BGWC-35D	EPA 9320	565148		
92649233030	BOW-BGWC-37D	EPA 9320	565148		
92649233031	BOW-BGWC-42D	EPA 9320	565148		
92649233032	BOW-AP1-FD-03	EPA 9320	565148		
92649233033	BOW-AP1-FB-05	EPA 9320	565148		
92649233034	BOW-BGWC-32	EPA 9320	565148		
92649233035	BOW-BGWC-40	EPA 9320	565148		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649233036	BOW-BGWC-51	EPA 9320	565148		
92649233037	BOW-BGWC-52	EPA 9320	565148		
92649233038	BOW-AP1-EB-01	EPA 9320	565148		
92649233039	BOW-AP1-FB-06	EPA 9320	565148		
92649233040	BOW-BGWC-24	EPA 9320	565148		
92649233041	BOW-BGWC-30	EPA 9320	565150		
92649233042	BOW-BGWC-36D	EPA 9320	565150		
92649233043	BOW-BGWC-41D	EPA 9320	565150		
92649233044	BOW-BGWC-49D	EPA 9320	565150		
92649233045	BOW-AP1-FD-04	EPA 9320	565150		
92649233046	BOW-AP1-EB-02	EPA 9320	565150		
92649233047	BOW-AP1-FB-07	EPA 9320	565150		
92649233048	BOW-BGWA-33	EPA 9320	566526		
92649233049	BOW-BGWC-23	EPA 9320	566526		
92649233050	BOW-BGWC-39	EPA 9320	566526		
92649233051	BOW-PZ-7	EPA 9320	566526		
92649233052	BOW-AP1-EB-03	EPA 9320	565967		
92649233053	BOW-AP1-FB-08	EPA 9320	565967		
92649233054	BOW-BGWC-22	EPA 9320	567129		
92649233055	BOW-BGWC-38D	EPA 9320	567129		
92649233056	BOW-BGWC-43D	EPA 9320	567129		
92649233057	BOW-AP1-FD-05	EPA 9320	567129		
92649233058	BOW-AP1-EB-04	EPA 9320	567129		
92649233059	BOW-AP1-FB-9	EPA 9320	567129		
92649233001	BOW-BGWA-2	Total Radium Calculation	569412		
92649233002	BOW-BGWA-29	Total Radium Calculation	569412		
92649233003	BOW-BGWA-47D	Total Radium Calculation	569412		
92649233004	BOW-BGWA-48D	Total Radium Calculation	569412		
92649233005	BOW-BGWC-7	Total Radium Calculation	569412		
92649233006	BOW-BGWC-8	Total Radium Calculation	569412		
92649233007	BOW-BGWC-17	Total Radium Calculation	569412		
92649233008	BOW-BGWC-18	Total Radium Calculation	569412		
92649233009	BOW-BGWA-6	Total Radium Calculation	569412		
92649233010	BOW-BGWC-44D	Total Radium Calculation	569412		
92649233011	BOW-AP1-FD-02	Total Radium Calculation	569412		
92649233012	BOW-AP1-FD-01	Total Radium Calculation	569412		
92649233013	BOW-BGWC-50D	Total Radium Calculation	569412		
92649233014	BOW-AP1-FB-02	Total Radium Calculation	569412		
92649233015	BOW-AP1-FB-01	Total Radium Calculation	569412		
92649233016	BOW-AP1-FB-03	Total Radium Calculation	569412		
92649233017	BOW-BGWC-9	Total Radium Calculation	569412		
92649233018	BOW-BGWC-12	Total Radium Calculation	569412		
92649233019	BOW-BGWC-14A	Total Radium Calculation	569412		
92649233020	BOW-BGWC-16	Total Radium Calculation	569412		
92649233021	BOW-BGWC-10	Total Radium Calculation	569413		
92649233022	BOW-BGWC-19	Total Radium Calculation	569413		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1 - RADS

Pace Project No.: 92649233

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92649233023	BOW-BGWC-21	Total Radium Calculation	569413		
92649233024	BOW-BGWC-25	Total Radium Calculation	569413		
92649233025	BOW-BGWC-31	Total Radium Calculation	569413		
92649233026	BOW-AP1-FB-04	Total Radium Calculation	569413		
92649233027	BOW-BGWC-20	Total Radium Calculation	569413		
92649233028	BOW-BGWC-34D	Total Radium Calculation	569413		
92649233029	BOW-BGWC-35D	Total Radium Calculation	569413		
92649233030	BOW-BGWC-37D	Total Radium Calculation	569413		
92649233031	BOW-BGWC-42D	Total Radium Calculation	569413		
92649233032	BOW-AP1-FD-03	Total Radium Calculation	569413		
92649233033	BOW-AP1-FB-05	Total Radium Calculation	569413		
92649233034	BOW-BGWC-32	Total Radium Calculation	569413		
92649233035	BOW-BGWC-40	Total Radium Calculation	569413		
92649233036	BOW-BGWC-51	Total Radium Calculation	569413		
92649233037	BOW-BGWC-52	Total Radium Calculation	569413		
92649233038	BOW-AP1-EB-01	Total Radium Calculation	569413		
92649233039	BOW-AP1-FB-06	Total Radium Calculation	569413		
92649233040	BOW-BGWC-24	Total Radium Calculation	569413		
92649233041	BOW-BGWC-30	Total Radium Calculation	570004		
92649233042	BOW-BGWC-36D	Total Radium Calculation	570004		
92649233043	BOW-BGWC-41D	Total Radium Calculation	570004		
92649233044	BOW-BGWC-49D	Total Radium Calculation	570004		
92649233045	BOW-AP1-FD-04	Total Radium Calculation	570004		
92649233046	BOW-AP1-EB-02	Total Radium Calculation	570004		
92649233047	BOW-AP1-FB-07	Total Radium Calculation	570004		
92649233048	BOW-BGWA-33	Total Radium Calculation	571445		
92649233049	BOW-BGWC-23	Total Radium Calculation	571445		
92649233050	BOW-BGWC-39	Total Radium Calculation	571445		
92649233051	BOW-PZ-7	Total Radium Calculation	571445		
92649233052	BOW-AP1-EB-03	Total Radium Calculation	570512		
92649233053	BOW-AP1-FB-08	Total Radium Calculation	570512		
92649233054	BOW-BGWC-22	Total Radium Calculation	571751		
92649233055	BOW-BGWC-38D	Total Radium Calculation	571751		
92649233056	BOW-BGWC-43D	Total Radium Calculation	571751		
92649233057	BOW-AP1-FD-05	Total Radium Calculation	571751		
92649233058	BOW-AP1-EB-04	Total Radium Calculation	571751		
92649233059	BOW-AP1-FB-9	Total Radium Calculation	571751		

REPORT OF LABORATORY ANALYSIS

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DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2021

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Location: _____
Labor Receiver: _____

Client Name:

GA Power

Project #: **WO#: 92649233**



Courier: Fed Ex UPS USPS Other: _____
 Pace Other: _____

Custody Seal Present? Yes No Septic Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer: _____
Type of Ice: White Blue None

Cooler Temp: 54/31/48 Correction Factor: 0.0
Add/Subtract (°C)

Temp should be above freezing to 6°C.
 Samples out of temp range. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 54/31/48/51

USA Registered Soil N/A, water sample?
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

				Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	1
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	2
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	3
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	4
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	5
Correct Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	6
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	7
Dispensed analysis: Samples Field Filtered?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	8
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	9
-Includes Date/Time/ID/Analysis Matrix:	<u>W</u>			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	10
Trip Blank Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

CLIENT NOTIFICATION/RESOLUTION

com ID of split containers:

Person contacted: _____ Date/Time: _____

Project Manager SCLRF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02 Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Receptors: VOA, Coliform, FOC, Dr and Gravel, DRQ(8:15) (water) DRX, L, Mg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project # **WO# : 92649233**
PM: BV Due Date: 02/17/23
CLIENT: GA-GA Power

Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40	15 mL Plastic Unpreserved (N/A) (C1)												
BP50	250 mL Plastic Unpreserved (N/A)												
BP50	500 mL Plastic Unpreserved (N/A)												
BP10	1 Liter Plastic Unpreserved (N/A)												
BP12	125 mL Plastic (N2S04) (pH < 2) (C1)												
BP20	250 mL Plastic (N2S04) (pH < 2)												
BP25	25 mL Plastic 20 Acetate & NaOH (pH < 2)												
BP25	125 mL Plastic (NaOH) (pH < 12) (C1)												
W000	Waste-emitted Glass jar Unpreserved												
AG10	1 liter Amber Unpreserved (N/A) (C1)												
AG10	1 liter Amber BIC (pH < 2)												
AG20	250 mL Amber Unpreserved (N/A) (C1)												
AG25	1 liter Amber (N/A) (pH < 2)												
AG25	250 mL Amber (N/A) (pH < 2)												
D004	40 mL Amber (N/A) (N/A) (C1)												
D006	30 mL VOA HCl (N/A)												
VG01	40 mL VOA (N2S04) (N/A)												
VG01	10 mL VOA Unpreserved (N/A)												
D009	40 mL VOA (N/A)												
BP70	50 mL Plastic Unpreserved (N/A)												
V/OK	13 vials over 144 vials (N/A)												
SP01	125 mL 2000 & 2000 (N/A) (pH)												
SP01	250 mL Sterile Plastic (N/A) (pH)												
BP08	250 mL Plastic (N2S04) (N/A) (C1)												
AG00	100 mL Amber Unpreserved (N/A) (C1)												
VG01	20 mL Seclusion vials (N/A)												
D004	40 mL Amber Unpreserved vials (N/A)												

BPN
2/2/23

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DNR Certification Office. Date of field, incorrect preservative, out of range, incorrect containers



DC# Title: ENV-FRM-HLN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Col form, TCC, Col and Grease, BOD/DOC (water), DOC U-ig

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BPMU-175	ml Plastic Unpreserved (N/A) (C1)												
BP2U-250	ml Plastic Unpreserved (N/A)												
BP2U-500	ml Plastic Unpreserved (N/A)												
BP1U-1 liter	Plastic Unpreserved (N/A)												
BP45-225	ml Plastic Nitro (pH < 2) (C1)												
BP3N-250	ml Glass HNO3 (pH < 2)												
BP4Z-125	ml Plastic Zn Acetate & NaOH (C1)												
BP4B-125	ml Plastic NaOH (pH > 12) (C1)												
WGRN	Wet-weighed Glass Jar Unpreserved												
AG3U-1 liter	Amber Unpreserved (N/A) (C1)												
AG1N-1 liter	Amber HCl (pH < 2)												
AG3A-250 ml	Amber Unpreserved (N/A) (C1)												
AG1S-1 liter	Amber H2SO4 (pH < 2)												
AG3S-250 ml	Amber H2SO4 (pH < 2)												
BP9A-40	ml Amber HNO3 (N/A) (C1)												
DP4A-50	ml VOA HCl (N/A)												
VGST-40	ml VOA H2O2 (N/A)												
VG9U-40	ml VOA Unpreserved (N/A)												
DP4V-40	ml VOA - 3% (N/A)												
BP7U-30	ml Polyethylene Unpreserved (N/A)												
V/9A-29	Wash per lot VPH/505 box (N/A)												
SPST-125	ml Sterile Plastic (N/A) - 4b)												
SPST-250	ml Sterile Plastic (N/A) - 4b)												
BP9C-50	ml Polyethylene (N/A) (C1) (C2)												
AG6U-200	ml Amber Unpreserved (N/A) (C1)												
W60U-20	ml Simulation vials (N/A)												
EG9U-40	ml Amber Unpreserved (N/A)												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of Area, incorrect preservative, out of temp, incorrect container).



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mer

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92649233

PM: BV

Due Date: 02/17/23

CLIENT: GA-GA Power

Courier: Commercial FedEx UPS USPS Other: Client

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Containers: 2/2/23 BV

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer: IR Gun ID

Biological Tissue Frozen? Yes No N/A

Cooler Temp: 3.1 Connection Factor: N/A/Subtract (°C) 0.0 Type of Ice: Dry Blue None

Temp should be above freezing to 5°C Samples out of temperature. Samples on ice cooling process has begun

Cooler Temp Corrected (°C): 3.1

USDA Regulated Soil; N/A, water samples

Do samples originate in a quarantine zone within the United States, CA, NY, or SC? Yes No

Do samples originate from a foreign source, internationally, including Hawaii and Puerto Rico? Yes No

Chain of Custody Present?	Yes	No	N/A	1.
Samples Arrived within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.
Rush Turn Around Time Requested?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4.
Sufficient Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.
Correct Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Pace Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.
Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.
Dissolved analytes: samples Field Filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	9.
Sample Labels Match CDC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Includes Date/Time/ID/Analysis Matrix:	W			
Appearance in VOA Vial (>5-bmm)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10.
Top Blank Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11.
Top Blank Custody Seals Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Comments/Discrepancy:

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

CLIENT NOTIFICATION/RESOLUTION

Lot ID of split containers

Person Contacted

Date/Time:

Project Manager SCUMF Review:

Date

Project Manager SRF Review:

Date:



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, OM and Gross, BDOC/BOD5, Swine, COK, Lung

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92649233

PH: BV

Due Date: 02/17/23

CLIENT: EG-GR Power

Bottle	8081-125 mL Amber Unpreserved (N/A) (CL)	BP1U-250 mL Biotic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP3U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (CL)	BP3N-250 mL Plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 7N Amine & NaOH (N)	WP4B-125 mL 2 liter NaOH (pH > 12) (CL)	WGFB-WBac Washed Glass jar (unpreserved)	AG1A-1 liter Amber Unpreserved (N/A) (CL)	AG1M-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (CL)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3K-250 mL Amber H2SO4 (pH < 2)	AG4B-10 mL Amber HNO3 (N/A) (CL)	PG3H-40 mL VOA HCl (N/A)	VG3T-40 mL VOA Na2S2O3 (N/A)	VG3U-40 mL VOA Unpreserved (N/A)	QGVN-10 mL VOA HNO3 (N/A)	NPTU-50 mL 2 liter Unpreserved (N/A)	V/GC (8 mLs per kit) VOA/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - 50)	SPST-250 mL Sterile Plastic (N/A - 50)	BP3N-250 mL Plastic (N/A) (CL) (CL)	AG4U-100 mL Amber Unpreserved (N/A) (CL)	VG3U-20 mL Scrubbing vials (N/A)	DG4U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

SPIN
*SPIN TO PREPARE

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQ Certification Office (if Out of field, incorrect preservative, out of type, incorrect container)



DC# Title: ENV-FRM-KUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TCC, Oil and Grease, DRO/B015 (water) DOC, LUG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92649233

PH: BV

Due Date: 02/17/23

CLIENT: GA-GA Power

Item #	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP01-125 mL Plastic Unpreserved (N/A)													
BP1U-250 mL Plastic Unpreserved (N/A)													
BP2U-500 mL Plastic Unpreserved (N/A)													
BP3U-1 liter Plastic Unpreserved (N/A)													
BP4E-125 mL Plastic H2SO4 (pH < 2) (C-1)													
BP4M-125 mL Plastic HNO3 (pH < 2)													
BP4E-125 mL Plastic HCl (pH < 2)													
BP4M-125 mL Plastic HCl (pH < 2)													
W08U-Wide-mouthed Glass Jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (C-1)													
AG2M-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (C-1)													
AG3E-1 liter Amber H2SO4 (pH < 2)													
AG3E-250 mL Amber H2SO4 (pH < 2)													
ED04-40 mL Amber H460 (N/A) (C-1)													
ED04-40 mL VOA HCl (N/A)													
V60T-40 mL VOA H2SO4 (N/A)													
V63U-40 mL VOA Unpreserved (N/A)													
OD0Y-40 mL VOA H2SO4 (N/A)													
BP7U-50 mL Plastic Unpreserved (N/A)													
V76E (3 wash per 401) (N/A) (C-1)													
SP1T-125 mL Sterile Plastic (N/A - 100)													
SP2T-250 mL Sterile Plastic (N/A - 100)													
BP2B-250 mL Plastic HNO3 (pH < 2)													
AG00U-20 mL Amber Unpreserved (N/A) (C-1)													
V50U-20 mL Sanitation vials (N/A)													
OD0YU-40 mL Amber Unpreserved vials (N/A)													

SPIN

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of Spec, incorrect preservative, not of temp, incorrect containers).



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mechanicsville

Sample Condition: Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92649233

PM: BY

Due Date: 02/17/23

CLIENT: GA-GR Power

Courier:

Commercial

Fed Ex Pace

UPS

USPS

Vent

Other:

Custody Seal Present?

Yes

No

Seals Intact?

Yes

No

Packing Material:

Bubble Wrap

Bubble Bags

None

Other:

Thermometer:

Digital

230

Type of Ice:

Dry Ice

Ice

None

Cooler Temp:

2.3

Correction Factor:

Add/Subtract (°C)

0.0

Cooler Temp Corrected (°C):

2.3

USDA Regulated Soil? N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check map)? Yes No

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Directed analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix.	<input checked="" type="checkbox"/> Yes		
Headspace in VOA Vials 1-5-6mm?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot # of split containers.

CLIENT NOTIFICATION/RESOLUTION

Person contacted

Date/Time:

Project Manager SCRF Review:

Date:

Project Manager SRF Review:

Date:



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2023

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TDC, Oil and Grease, DBO/DOES (water), DOL, LTH

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92649233

PN: BY

Due Date: 02/17/23

CLIENT: GA-GA Power

Item #	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP01-175 mL Plastic Unpreserved (N/A) (CL)													
BP02-250 mL Plastic Unpreserved (N/A)													
BP03-500 mL Plastic Unpreserved (N/A)													
BP11-1 liter Plastic Unpreserved (N/A)													
BP05-125 mL Plastic 1250M (pH < 2) (CL)													
BP06-125 mL Plastic 1250M (pH < 2)													
BP07-125 mL Plastic 20 Acetic & 200M (50)													
BP08-125 mL Plastic 1250M (pH > 12) (CL)													
WIGPL-Whole unacidified Glass Jar Unpreserved													
AG01-1 liter Amber Unpreserved (N/A) (CL)													
AG02-1 liter Amber (CL) (pH < 2)													
AG03-250 mL Amber Unpreserved (N/A) (CL)													
AG04-1 liter Amber 1250M (pH < 2)													
AG05-250 mL Amber 1250M (pH < 2)													
AG06-40 mL Amber 1250M (N/A) (CL)													
AG07-40 mL VOA HC (N/A)													
YG01-40 mL VOA 1425-103 (N/A)													
YG02-40 mL VOA 1425-103 (N/A)													
OG01-40 mL VOA 1425-103 (N/A)													
BP09-50 mL Plastic Unpreserved (N/A)													
YJ01-18 mL par 401-VPH/Gas kit (N/A)													
SP01-125 mL Sterile Plastic (N/A - 100)													
SP02-125 mL Sterile Plastic (N/A - 100)													
BP04-150 mL Plastic (N/A) (CL) (3-9 7)													
AG08-100 mL Amber Unpreserved (N/A) (CL)													
MS01-20 mL Sanitation vials (N/A)													
DO01-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of Field - incorrect preservative, out of temp, incorrect containers)



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: G-A Power

Project #: **WO# : 92649233**

Courier: Commercial Fed Ex Pace UPS USPS Client Other:

PR: BY Due Date: 02/17/23
CLIENT: GA-OR Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Time/Person Examining Contents: 2/10/23

Packing Material: Bubble Wrap Bubble Bags Padded Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 230 Type of Ice: Clear Blue None

Cooler Temp: 3.8 Correction Factor: 0.0
Add/Subtract (°C)

Temp should be above freezing to 5°C.
 Samples out of temp criteria. Samples on ice, cooling process has begun.

Cooler Temp Corrected (°C): 3.8

USDA Regulated Soil? N/A, water sample
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check boxes)? Yes No

Did samples originate from a foreign source (Internationally including Hawaii and Puerto Rico)? Yes No

Checklist Item	Yes	No	N/A	Comments/Discrepancy
Chain of Custody Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.
Rush Turn Around Time Requested?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4.
Sufficient Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.
Correct Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Paper Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.
Distilled analysis: Samples Field Filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	8.
Sample Labels Match CDC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.
Includes Date/Time/ID/Analysis Matrix	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10.
Trip Blank Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

COMMENTS/SAMPLE DISCREPANCY Field Data Required? Yes No

Lot # of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

* Checkmark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/ROIS (w/mer) DOC, UAF

** Bottom half of box is to list number of bottles

*** Check unpreserved Nitrates for chlorine

Project #

WO#: 92649233

PN: 8V

Due Date: 02/17/23

CLIENT: GR-GR Power

Item #	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (2)													
BP3U-250 mL Plastic Unpreserved (N/A)													
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (2)													
BP3N-250 mL Plastic HNO3 (pH < 2)													
BP4L-125 mL Plastic 2M Acetate & HClO4 (pH)													
BP4B-125 mL Plastic NaOH (pH > 12) (2)													
WQSP-White-mouthed Glass Jar Unpreserved													
AG2L-1 liter Amber Unpreserved (N/A) (2)													
AG1N-1 liter Amber HCl (pH < 2)													
AG2B-250 mL Amber Unpreserved (N/A) (2)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
AG3N-400 mL Amber HNO3 (N/A) (2)													
DG6W-40 mL VOA HCl (N/A)													
V79T-40 mL VOA Na2S2O3 (N/A)													
V89U-40 mL VOA Unpreserved (N/A)													
DG6V-40 mL VOA H3PO4 (N/A)													
NPTU-50 mL Plastic Unpreserved (N/A)													
V79K (3 vials per kit) VOA H3PO4 (N/A)													
SP97-125 mL Sterile Plastic (N/A - 100)													
SP97-250 mL Sterile Plastic (N/A - 100)													
BP4U-125 mL Plastic (N/A) (2)													
AG2U-100 mL Amber Unpreserved (N/A) (2)													
V85U-200 mL Sequestration vials (N/A)													
DG3U-40 mL Amber Unpreserved vials (N/A)													

BP4U
AG2U
V85U
DG3U

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEMR Certification Office (i.e. Out of field, incorrect preservative, out of temp, incorrect container).

Page

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Submitting a sample via the chain of custody requires acknowledgment and acceptance of the Terms and Conditions found at <http://www.pca.com/chainofcustody>.
Section B The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.
Section C Analytical Request Information

Requester: William Leather
 Requested Analytical Information: William Leather, Anthony Street
 Request To: William Leather, Anthony Street
 Date: 11/27/25 Sample Origin: William Leather, Anthony Street
 Name: William Leather Particulars: William Leather, Anthony Street
 Phone: (803) 713-0000 Fax: (803) 713-0000
 Requested Analytical Information: William Leather, Anthony Street
 Particulars: William Leather, Anthony Street
 Name: William Leather Particulars: William Leather, Anthony Street
 Phone: (803) 713-0000 Fax: (803) 713-0000

ITEM #

SAMPLE ID
One Character per box (A-Z, 0-9)
Samples are listed by index

DATE	TIME	INITIALS	DESCRIPTION	ANALYSIS	REMARKS
11/27/25	12:10	William Leather	William Leather	1210	
11/27/25	13:00	William Leather	William Leather	1300	

DATE	TIME	INITIALS	DESCRIPTION	ANALYSIS	REMARKS
11/27/25	12:10	William Leather	William Leather	1210	
11/27/25	13:00	William Leather	William Leather	1300	

DATE	TIME	INITIALS	DESCRIPTION	ANALYSIS	REMARKS
11/27/25	12:10	William Leather	William Leather	1210	
11/27/25	13:00	William Leather	William Leather	1300	

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Section B
Section C

Requested Event Information:

Client: Georgia Power
Address: 247 North Highland Ave, Atlanta, GA 30308
Date: 6/27/2013
Project: 1170727
Requester: [Name]
Requested Date: [Date]

Requested Project Information:

Project Name: [Name]
Requester: [Name]
Request Date: [Date]

Requested Information:

Requester: Georgia Power
Address: 247 North Highland Ave, Atlanta, GA 30308
Requester: [Name]
Request Date: [Date]

ITEM #	DESCRIPTION	DATE	TIME	LOCATION	COLLECTOR	ANALYST	TESTS	REMARKS
BOW-ADW-C-302
BOW-ADW-C-303
BOW-ADW-C-304
BOW-ADW-C-305
BOW-ADW-C-306
BOW-ADW-C-307
BOW-ADW-C-308
BOW-ADW-C-309
BOW-ADW-C-310
BOW-ADW-C-311
BOW-ADW-C-312
BOW-ADW-C-313
BOW-ADW-C-314
BOW-ADW-C-315
BOW-ADW-C-316
BOW-ADW-C-317
BOW-ADW-C-318
BOW-ADW-C-319
BOW-ADW-C-320
BOW-ADW-C-321
BOW-ADW-C-322
BOW-ADW-C-323
BOW-ADW-C-324
BOW-ADW-C-325
BOW-ADW-C-326
BOW-ADW-C-327
BOW-ADW-C-328
BOW-ADW-C-329
BOW-ADW-C-330
BOW-ADW-C-331
BOW-ADW-C-332
BOW-ADW-C-333
BOW-ADW-C-334
BOW-ADW-C-335
BOW-ADW-C-336
BOW-ADW-C-337
BOW-ADW-C-338
BOW-ADW-C-339
BOW-ADW-C-340
BOW-ADW-C-341
BOW-ADW-C-342
BOW-ADW-C-343
BOW-ADW-C-344
BOW-ADW-C-345
BOW-ADW-C-346
BOW-ADW-C-347
BOW-ADW-C-348
BOW-ADW-C-349
BOW-ADW-C-350
BOW-ADW-C-351
BOW-ADW-C-352
BOW-ADW-C-353
BOW-ADW-C-354
BOW-ADW-C-355
BOW-ADW-C-356
BOW-ADW-C-357
BOW-ADW-C-358
BOW-ADW-C-359
BOW-ADW-C-360
BOW-ADW-C-361
BOW-ADW-C-362
BOW-ADW-C-363
BOW-ADW-C-364
BOW-ADW-C-365
BOW-ADW-C-366
BOW-ADW-C-367
BOW-ADW-C-368
BOW-ADW-C-369
BOW-ADW-C-370
BOW-ADW-C-371
BOW-ADW-C-372
BOW-ADW-C-373
BOW-ADW-C-374
BOW-ADW-C-375
BOW-ADW-C-376
BOW-ADW-C-377
BOW-ADW-C-378
BOW-ADW-C-379
BOW-ADW-C-380
BOW-ADW-C-381
BOW-ADW-C-382
BOW-ADW-C-383
BOW-ADW-C-384
BOW-ADW-C-385
BOW-ADW-C-386
BOW-ADW-C-387
BOW-ADW-C-388
BOW-ADW-C-389
BOW-ADW-C-390
BOW-ADW-C-391
BOW-ADW-C-392
BOW-ADW-C-393
BOW-ADW-C-394
BOW-ADW-C-395
BOW-ADW-C-396
BOW-ADW-C-397
BOW-ADW-C-398
BOW-ADW-C-399
BOW-ADW-C-400

Requested on: [Date]
Requested by: [Name]
Requested for: [Name]
Requested at: [Location]



Submitting a sample via the chain of custody completes documentation and secures the integrity of the data. All relevant fields must be completed accurately.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Project A	Project B	Section D	Section E
Project Chain Information: Company: George Power Address: 241 Peach Street Road, NE Atlanta, GA 30308 Contact: 404-525-1234 Fax: 404-525-1235 E-mail: info@georgepower.com Website: www.georgepower.com Project Name: Standard Project ID: 12345	Requester Project Information: Request To: Ryan Larson (Rory) Starnes City/State: Union Station, New Jersey Contact: 201-555-1234 Email: rylarson@unionstation.com Project Name: SOH-COH-ACCOUNT-2025 Project ID: 67890	Submitter Information: Submitter: Kevin Simpson Company Name: George Power Address: 241 Peach Street Road, NE, Atlanta, GA 30308 Contact: 404-525-1234 Project Name: Standard Project ID: 12345	Requester Information: Requester: Ryan Larson (Rory) Starnes City/State: Union Station, New Jersey Contact: 201-555-1234 Email: rylarson@unionstation.com Project Name: SOH-COH-ACCOUNT-2025 Project ID: 67890

ITEM #	SAMPLE ID One container per box Date 1/1/23 Sample has been analyzed	APPROX Container Type Material Color Weight Volume Temp	COLLECTED DATE TIME	PRESERVATION MATERIALS DATE	ANALYSIS		Requester (City)
					IMPACTIVE (SO-COH)	NON-IMPACTIVE (SO-COH)	
BOX-1000-01	WAG-01	WAG-01	1/26/23	5.2	3		
BOX-1000-02	WAG-02	WAG-02					
BOX-1000-03	WAG-03	WAG-03					
BOX-1000-04	WAG-04	WAG-04					
BOX-1000-05	WAG-05	WAG-05					
BOX-1000-06	WAG-06	WAG-06					
BOX-1000-07	WAG-07	WAG-07					
BOX-1000-08	WAG-08	WAG-08					
BOX-1000-09	WAG-09	WAG-09					
BOX-1000-10	WAG-10	WAG-10					
William Lambert Ryan Wilcox / Ryan Lambert / Kevin Simpson / Meredith Cannon 1/27/23 12:00 1330 Charles Fort / 1/27/23 1330							

Requester Name: Ryan Wilcox / Ryan Lambert / Kevin Simpson / Meredith Cannon Requester Title: William Lambert Date: 1/27/23	Project Name: SOH-COH-ACCOUNT-2025 Project ID: 67890	Requester Address: 241 Peach Street Road, NE, Atlanta, GA 30308 Requester Phone: 404-525-1234 Requester Email: info@georgepower.com
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Page

CHAIN-OF-CUSTODY / Analytical Request Document

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

Requested Chain Information:
 Agency: Georgia Power
 Address: 211 Northchase Blvd NE Atlanta, GA 30328
 Contact: [redacted]
 Phone: 404.237.2000
 Requested On: 06/11/13

Requested Project Information:
 Project Name: BOW-42 (Baldwin 2000)
 Requested On: 06/11/13

Requested Analytical Information:
 Requested To: Tracey Jenkins, Analytical Services
 Project ID: 1008 (MARTIN, THE, HOSPITAL, JAMES, SHELLEY)
 Project Location: Norfolk County
 Project Number: BOW-42 (Baldwin 2000)

Requested Chain of Custody:
 Chain of Custody: [redacted]
 Requested On: 06/11/13

ITEM #	DESCRIPTION	DATE	TIME	TEMP AT COLLECTION	# OF CONTAINERS	UNPROTECTED	GLASS	ICE	W/DM	INSULATED	REFRIGERATED	OTHER	LAB	ANALYSIS	REMARKS
1	RAW-42-490	06/11/13													
2	RAW-42-505	06/11/13													
3	RAW-42-51	06/11/13													
4	RAW-42-52	06/11/13													
5	RAW-42-53	06/11/13													
6	RAW-42-54	06/11/13													
7	RAW-42-55	06/11/13													
8	RAW-42-56	06/11/13													
9	RAW-42-57	06/11/13													
10	RAW-42-58	06/11/13													
11	RAW-42-59	06/11/13													
12	RAW-42-60	06/11/13													
13	RAW-42-61	06/11/13													
14	RAW-42-62	06/11/13													
15	RAW-42-63	06/11/13													
16	RAW-42-64	06/11/13													
17	RAW-42-65	06/11/13													
18	RAW-42-66	06/11/13													
19	RAW-42-67	06/11/13													
20	RAW-42-68	06/11/13													
21	RAW-42-69	06/11/13													
22	RAW-42-70	06/11/13													
23	RAW-42-71	06/11/13													
24	RAW-42-72	06/11/13													
25	RAW-42-73	06/11/13													
26	RAW-42-74	06/11/13													
27	RAW-42-75	06/11/13													
28	RAW-42-76	06/11/13													
29	RAW-42-77	06/11/13													
30	RAW-42-78	06/11/13													
31	RAW-42-79	06/11/13													
32	RAW-42-80	06/11/13													
33	RAW-42-81	06/11/13													
34	RAW-42-82	06/11/13													
35	RAW-42-83	06/11/13													
36	RAW-42-84	06/11/13													
37	RAW-42-85	06/11/13													
38	RAW-42-86	06/11/13													
39	RAW-42-87	06/11/13													
40	RAW-42-88	06/11/13													
41	RAW-42-89	06/11/13													
42	RAW-42-90	06/11/13													
43	RAW-42-91	06/11/13													
44	RAW-42-92	06/11/13													
45	RAW-42-93	06/11/13													
46	RAW-42-94	06/11/13													
47	RAW-42-95	06/11/13													
48	RAW-42-96	06/11/13													
49	RAW-42-97	06/11/13													
50	RAW-42-98	06/11/13													
51	RAW-42-99	06/11/13													
52	RAW-42-100	06/11/13													

Requested Chain of Custody:
 Requested On: 06/11/13
 Requested By: [redacted]
 Requested For: [redacted]
 Requested At: [redacted]

Requested Chain of Custody:
 Requested On: 06/11/13
 Requested By: [redacted]
 Requested For: [redacted]
 Requested At: [redacted]

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Requested Project Information:

Client: General Power Request To: Water Testing, Analytical Services

Address: 281 Northgate Blvd NE Location: Northgate Blvd, Atlanta, GA 30328

Phone: (404) 321-1000 Fax:

Requested Project Information:

Project # 10000000000000000000 Purchase Order # 10000000000000000000

Project Name: 10000000000000000000 Project # 10000000000000000000

Project Information:

Project # 10000000000000000000 Company Name: General Power

Address: 281 Northgate Blvd NE, Atlanta, GA 30328

Phone: (404) 321-1000 Fax:

ITEM #	SAMPLE ID	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATION										REMARKS				
						Refrigerated	Freeze	Dark	Sealed	Other	Other	Other	Other	Other	Other					
BOM-APR-01-01	WMS 0	11/17/15	12:10		3															
BOM-APR-01-02	WMS 1	11/17/15	12:10		3															
BOM-APR-01-03	WMS 2	11/17/15	12:10		3															
BOM-APR-01-04	WMS 3	11/17/15	12:10		3															
BOM-APR-01-05	WMS 4	11/17/15	12:10		3															
BOM-APR-01-06	WMS 5	11/17/15	12:10		3															
BOM-APR-01-07	WMS 6	11/17/15	12:10		3															
BOM-APR-01-08	WMS 7	11/17/15	12:10		3															
BOM-APR-01-09	WMS 8	11/17/15	12:10		3															
BOM-APR-01-10	WMS 9	11/17/15	12:10		3															
BOM-APR-01-11	WMS 10	11/17/15	12:10		3															
BOM-APR-01-12	WMS 11	11/17/15	12:10		3															
BOM-APR-01-13	WMS 12	11/17/15	12:10		3															
BOM-APR-01-14	WMS 13	11/17/15	12:10		3															
BOM-APR-01-15	WMS 14	11/17/15	12:10		3															
BOM-APR-01-16	WMS 15	11/17/15	12:10		3															
BOM-APR-01-17	WMS 16	11/17/15	12:10		3															
BOM-APR-01-18	WMS 17	11/17/15	12:10		3															
BOM-APR-01-19	WMS 18	11/17/15	12:10		3															
BOM-APR-01-20	WMS 19	11/17/15	12:10		3															
BOM-APR-01-21	WMS 20	11/17/15	12:10		3															
BOM-APR-01-22	WMS 21	11/17/15	12:10		3															
BOM-APR-01-23	WMS 22	11/17/15	12:10		3															
BOM-APR-01-24	WMS 23	11/17/15	12:10		3															
BOM-APR-01-25	WMS 24	11/17/15	12:10		3															
BOM-APR-01-26	WMS 25	11/17/15	12:10		3															
BOM-APR-01-27	WMS 26	11/17/15	12:10		3															
BOM-APR-01-28	WMS 27	11/17/15	12:10		3															
BOM-APR-01-29	WMS 28	11/17/15	12:10		3															
BOM-APR-01-30	WMS 29	11/17/15	12:10		3															
BOM-APR-01-31	WMS 30	11/17/15	12:10		3															

Requested Project Information:

Client: General Power Request To: Water Testing, Analytical Services

Address: 281 Northgate Blvd NE Location: Northgate Blvd, Atlanta, GA 30328

Phone: (404) 321-1000 Fax:

Requested Project Information:

Project # 10000000000000000000 Purchase Order # 10000000000000000000

Project Name: 10000000000000000000 Project # 10000000000000000000

Project Information:

Project # 10000000000000000000 Company Name: General Power

Address: 281 Northgate Blvd NE, Atlanta, GA 30328

Phone: (404) 321-1000 Fax:

P208

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section 1: Submitting a sample for testing of analytes constitutes acknowledgment and acceptance of the Form Terms and Conditions found at www.fda.gov/oc/ohrt/ohrt-terms-conditions.pdf

Analytical Request Information:
 Requester: David L. Foster
 Agency: 241 South Mitchell Road, NE
 Address: GA 30008
 Phone: (404) 371-2000
 Fax: _____
 E-mail: dfoster@pharmacia.com
 Release/Out Date: Standard

Analytical Request Information:
 Requester: _____
 Agency: _____
 Address: _____
 Phone: _____
 Fax: _____
 E-mail: _____
 Release/Out Date: _____

Analytical Request Information:
 Requester: _____
 Agency: _____
 Address: _____
 Phone: _____
 Fax: _____
 E-mail: _____
 Release/Out Date: _____

NO.	DATE	TIME	BY	INITIALS	SIGNATURE	TITLE	ORGANIZATION	ADDRESS	CITY	STATE	ZIP	PHONE	FAX	EMAIL	ANALYTES	METHOD	LABORATORY	EQUIPMENT	REAGENT	CALIBRATION	CONTROL	REMARKS	
																							NO. C

NO.	DATE	TIME	BY	INITIALS	SIGNATURE	TITLE	ORGANIZATION	ADDRESS	CITY	STATE	ZIP	PHONE	FAX	EMAIL	ANALYTES	METHOD	LABORATORY	EQUIPMENT	REAGENT	CALIBRATION	CONTROL	REMARKS	
1	11/23/2001	12:10	William Looker	WL	William Looker	Lab	Willis Per	1350	Atlanta	GA	30309	(404) 371-2000		dfoster@pharmacia.com	_____	_____	_____	_____	_____	_____	_____	_____	_____
2	11/23/2001	13:50	William Looker	WL	William Looker	Lab	Willis Per	1350	Atlanta	GA	30309	(404) 371-2000		dfoster@pharmacia.com	_____	_____	_____	_____	_____	_____	_____	_____	_____

TBM# in C: _____
 Requested on: _____
 (Y/N) _____
 Custody: _____
 Sample ID: _____
 (Y/N) _____
 Sample ID: _____
 (Y/N) _____

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

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

Required Chain Information:
 Agency: **George County**
 Address: **211 South Lincoln Blvd NE**
 City: **Lawrence, GA 30046**
 Phone: **(404) 271-0000**
 Email: **gpc@georgiacounty.com**
 Website: **www.georgiacounty.com**

Requested Project Information:
 Project ID: **Kulian Lutting Agency Case**
 Dept ID: **Lawrence Police Dept, Case #1000**
 Requested By: **Nicole Gunn**
 Project Name: **BOW-021-ADJUD-20231**
 Project ID: **92600033**

Analysis Information:
 Submission: **2023/11/23**
 Company Name: **Shard Power**
 Address: **241 Ridge Road NW, Atlanta, GA 30304**
 Phone: **(404) 525-1234**
 Email: **info@shardpower.com**

ITEM #	SAMPLE ID ON Container use box 10-2, 10-1, 1 Sample IDs must be unique	MATRIX TYPE	SAMPLE TYPE	DATE	TIME	NUM OF SAMP AT COLLECTION	NUM OF CONTAINERS										RESULTS	CL P. BOX	ANALYSIS	TOL	RND TO / BY	REMARKS (Y/N)
							Upraised	KOSOL	HWOL	HC1	KACH	WALSOOL	Methane	Other	CL P. BOX	ANALYSIS							TOL	RND TO / BY
001	BOW-021-EB-03	WQ D																				
002	BOW-021-EB-04	WQ D																				
003	BOW-021-EB-01	WQ G		1/24/23	1550	5	2	3														
004	BOW-021-EB-02	WQ G																				
005	BOW-021-EB-05	WQ L																				
006	BOW-021-EB-04	WQ C																				
007	BOW-021-EB-06	WQ D																				
008	BOW-021-EB-08	WQ G																				
009	BOW-021-EB-07	WQ G																				
010	BOW-021-EB-07	WQ G																				

Signature: William Lutting Date: 1/24/23 12:10

Signature: Kyle Williams Date: 1/24/23 13:30

Signature: Charles Starks Date: 1/24/23 13:30

Signature: William Lutting Date: 1/24/23 13:00

Signature: Michelle Durbin Date: 1/24/23 13:00

Signature: Kerry Strickland Date: 1/24/23 13:00

Signature: William Lutting Date: 1/24/23 13:00

Signature: Michelle Durbin Date: 1/24/23 13:00

Signature: Kerry Strickland Date: 1/24/23 13:00

Signature: William Lutting Date: 1/24/23 13:00

Signature: Michelle Durbin Date: 1/24/23 13:00

Signature: Kerry Strickland Date: 1/24/23 13:00

Face

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT; appropriate facts must be completed accurately.

Section 1: Analytical Request Information
 Section 2: Analytical Request Information
 Section 3: Analytical Request Information
 Section 4: Analytical Request Information

ITEM #	SAMPLE ID One Character per box. Example: 1A2 067 1	DATE	TIME	COLLECTED	INSTRUMENT	ANALYSIS	RESULTS	REMARKS
DOWN-DOWN-2								
DOWN-DOWN-3								
DOWN-DOWN-4								
DOWN-DOWN-5								
DOWN-DOWN-6								
DOWN-DOWN-7								
DOWN-DOWN-8								
DOWN-DOWN-9								
DOWN-DOWN-10								
DOWN-DOWN-11								
DOWN-DOWN-12								
DOWN-DOWN-13								
DOWN-DOWN-14								
DOWN-DOWN-15								

William Leather
 1/27/23 1:30
 1/27/23 1:42
 1/27/23 1:42
 1/27/23 1:42

ANALYST: William Leather, Meredith Dixon
 DATE: 1/27/23
 RECEIVED BY: [Signature]
 RECEIVED DATE: 1/27/23

Page

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Signature of the Person(s) who prepared this document is required.

Project # _____
 Project Name: _____
 Location: _____
 Date: _____
 Collector: _____
 Collector's Signature: _____
 Collector's Title: _____
 Date of Collection: _____
 Time of Collection: _____
 Sample ID: _____
 Sample Description: _____
 Sample Location: _____
 Sample Condition: _____
 Sample Storage: _____
 Sample Handling: _____
 Sample Analysis: _____
 Sample Results: _____

ITEM #	DESCRIPTION	DATE	TIME	COLLECTOR	ANALYST	TESTS	RESULTS
1	SAMPLE ID						
2	...	1/27/23	1020	...	...	...	...
3	...	1/27/23	1318	...	...	...	...
4	...	1/27/23	1530	...	...	...	...
5	...	1/27/23	1120	...	...	...	...

Signature: _____
 Date: _____
 Title: _____

Signature: _____
 Date: _____
 Title: _____

PRICE

CHAIN-OF-CUSTODY / Analytical Request Document

This Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. It is the responsibility of the user to ensure that the Chain-of-Custody is maintained in accordance with the requirements of the applicable regulatory agency.

Requester Name: <u>William Leaker</u>	Requester Address: <u>211 South Main Street, NC</u>	Requester City: <u>Wilmington, NC</u>	Requester State: <u>NC</u>	Requester Zip: <u>28401</u>	Requester Phone: <u>910-343-1234</u>	Requester Fax: <u>910-343-5678</u>	Requester Email: <u>leaker@leaker.com</u>
Requester Signature: <u>[Signature]</u>	Requester Title: <u>Owner</u>	Requester Occupation: <u>Business Owner</u>	Requester Industry: <u>Manufacturing</u>	Requester Company: <u>Leaker Industries</u>	Requester Department: <u>Quality Control</u>	Requester Product: <u>Various</u>	Requester Quantity: <u>1000</u>
Requester Date: <u>1/21/83</u>	Requester Time: <u>10:00 AM</u>	Requester Location: <u>211 South Main Street</u>	Requester Latitude: <u>34.2261° N</u>	Requester Longitude: <u>77.8763° W</u>	Requester Altitude: <u>100 ft</u>	Requester Temperature: <u>60°F</u>	Requester Humidity: <u>70%</u>

ITEM #	SAMPLE ID	DATE	TIME	SAMPLE TYPE	UNITS & CONC.	COLLECTOR		PRESERVER							ANALYST				
						NAME	INITIALS	UNPRESERVED	RECORDED	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
1	W-1	1/21/83	11:00	W-1	1000	W-1	W-1	X	X	X	X	X	X	X	X	X	X	X	X
2	W-2	1/21/83	11:00	W-2	1000	W-2	W-2	X	X	X	X	X	X	X	X	X	X	X	X
3	W-3	1/21/83	11:00	W-3	1000	W-3	W-3	X	X	X	X	X	X	X	X	X	X	X	X
4	W-4	1/21/83	11:00	W-4	1000	W-4	W-4	X	X	X	X	X	X	X	X	X	X	X	X
5	W-5	1/21/83	11:00	W-5	1000	W-5	W-5	X	X	X	X	X	X	X	X	X	X	X	X

Requester Name: <u>William Leaker</u>	Requester Address: <u>211 South Main Street</u>	Requester City: <u>Wilmington</u>	Requester State: <u>NC</u>	Requester Zip: <u>28401</u>	Requester Phone: <u>910-343-1234</u>	Requester Fax: <u>910-343-5678</u>	Requester Email: <u>leaker@leaker.com</u>
Requester Signature: <u>[Signature]</u>	Requester Title: <u>Owner</u>	Requester Occupation: <u>Business Owner</u>	Requester Industry: <u>Manufacturing</u>	Requester Company: <u>Leaker Industries</u>	Requester Department: <u>Quality Control</u>	Requester Product: <u>Various</u>	Requester Quantity: <u>1000</u>
Requester Date: <u>1/21/83</u>	Requester Time: <u>10:00 AM</u>	Requester Location: <u>211 South Main Street</u>	Requester Latitude: <u>34.2261° N</u>	Requester Longitude: <u>77.8763° W</u>	Requester Altitude: <u>100 ft</u>	Requester Temperature: <u>60°F</u>	Requester Humidity: <u>70%</u>

Requested on: 1/21/83
 Requested by: William Leaker
 Requested for: Merleth Dargun
 Requested at: 121/83

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

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

Submit A Request For Analytical Services from the following agencies: Orange County Sheriff's Office

Client Name: Orange County Sheriff's Office
 Client Address: 241 North Main Street, Orange, CA 92667
 Client Contact: William Lockett
 Client Phone: (714) 634-2222
 Requested On: 1/30/23
 Requested By: William Lockett

Requesting Agency: Orange County Sheriff's Office
 Requesting Agency Address: 241 North Main Street, Orange, CA 92667
 Requesting Agency Contact: William Lockett
 Requesting Agency Phone: (714) 634-2222

Requesting Agency ID: 10000005

ITEM #	DESCRIPTION	MARKING CODE (See note above for full list)	MULTIPLE USE (IN-GRAB, OUT-GRAB, etc.)	COLLECTED		DATE	TIME	SAMPLE TYPE		SAMPLE TYPE RE COLLECTION	PRESERVATION									REMARKS
				TYPE	AMOUNT			TEMPERATURE	STORAGE		DATE	TIME	BY	INITIALS	REASON	INITIALS	DATE	TIME	BY		INITIALS

ITEM #	DESCRIPTION	MARKING CODE	MULTIPLE USE	DATE	TIME	SAMPLE TYPE	AMOUNT	TEMPERATURE	STORAGE	DATE	TIME	BY	INITIALS	REASON	INITIALS	DATE	TIME	BY	INITIALS	
BOWEN-AP-1																				
				1/30/23	1107	S	1													

Requester: William Lockett
 Requester Address: 241 North Main Street, Orange, CA 92667
 Requester Contact: William Lockett
 Requester Phone: (714) 634-2222

Request Date: 1/30/23
 Request Time: 11:07 AM
 Requester Signature: [Signature]

Analyst Name: Meredith Duncan Will Lockett
 Analyst Address: [Address]
 Analyst Contact: [Contact]
 Analyst Phone: [Phone]

Analyst Signature: [Signature]
 Date/Time: 1/30/23 11:07 AM

TEMP # 1
 Received at:
 Date/Time: 1/30/23
 Signature: [Signature]

Page

CHAIN-OF-CUSTODY / Analytical Request Document

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

Requested By: David P. Bowen
 Address: 241 West 1st St, Apt 102
 City: Portland, OR 97201
 Phone: 503-241-1111
 Date: 1/30/23

Requested For: Sample
 Sample ID: 631

Requested For: Sample
 Sample ID: 631

Requested For: Sample
 Sample ID: 631

ITEM #	DESCRIPTION	DATE	TIME	TEMP AT COLLECTION	# OF CONTAINERS	APPEARANCE	ODOR	PH	REMARKS	ANALYSIS	TEST	RESULTS
1	SAMPLE ID One container for item D-2, P-1, 1 Sample ID listed on envelope											
2	...											
3	...											
4	...											
5	...											
6	...											
7	...											
8	...											
9	...											
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11	...											
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97	...											
98	...											
99	...											
100	...											

Bowen AP-1

William Lockett	1/11/23	1/13/23	1/14/23	1/15/23	1/16/23	1/17/23	1/18/23	1/19/23	1/20/23	1/21/23	1/22/23	1/23/23	1/24/23	1/25/23	1/26/23	1/27/23	1/28/23	1/29/23	1/30/23
-----------------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------

Received on 1/30/23
 By Meredith Dwyer, Will Lockett
 Date 1/30/23

Page

CHAIN-OF-CUSTODY / Analytical Request Document

Section A
Requesting a sample for the chain of custody collection, processing, and analysis of the below items and samples of the below items and analyzing based on their presence in the below items and analyzing based on their presence in the below items.

Section B
Requesting a sample for the chain of custody collection, processing, and analysis of the below items and samples of the below items and analyzing based on their presence in the below items and analyzing based on their presence in the below items.

Section C
Requesting a sample for the chain of custody collection, processing, and analysis of the below items and samples of the below items and analyzing based on their presence in the below items and analyzing based on their presence in the below items.

Request ID: 11/30/23
City: San Jose
Request Name: 11/30/23

Requester: William Louker
Request Date: 11/30/23

Requesting Agency: San Jose Police Department
Requesting Agency Address: San Jose Police Department
Requesting Agency Phone: San Jose Police Department

Requesting Agency Contact: William Louker
Requesting Agency Contact Phone: San Jose Police Department

Requesting Agency Contact Email: San Jose Police Department

ITEM #	SAMPLE ID	DATE	TIME	SAMPLE TOP AT COLLECTION	FOY CONTAINERS																
					Unpreserved	PCBQA	TRCO	PC	NACH	MS2203	Methanol	Other	Nitro	CLF 904	ABBBB	TES					
1	SOX-01-19-01	NOV 0	130/23	1545	372	3															
2	SOX-01-19-01	NOV 0																			
3	SOX-01-19-01	NOV 0																			
4	SOX-01-19-01	NOV 0																			
5	SOX-01-19-01	NOV 0																			
6	SOX-01-19-01	NOV 0																			
7	SOX-01-19-01	NOV 0																			
8	SOX-01-19-01	NOV 0																			
9	SOX-01-19-01	NOV 0																			
10	SOX-01-19-01	NOV 0																			

BOVEN AP-1

Requester: William Louker
Request Date: 11/30/23
Requesting Agency: San Jose Police Department
Requesting Agency Contact: William Louker
Requesting Agency Contact Phone: San Jose Police Department
Requesting Agency Contact Email: San Jose Police Department

Request ID: 11/30/23
City: San Jose
Request Name: 11/30/23

Requester: William Louker
Request Date: 11/30/23

Requesting Agency: San Jose Police Department
Requesting Agency Address: San Jose Police Department
Requesting Agency Phone: San Jose Police Department

Requesting Agency Contact: William Louker
Requesting Agency Contact Phone: San Jose Police Department

Requesting Agency Contact Email: San Jose Police Department

Request ID: 11/30/23
City: San Jose
Request Name: 11/30/23

Requester: William Louker
Request Date: 11/30/23

Requesting Agency: San Jose Police Department
Requesting Agency Address: San Jose Police Department
Requesting Agency Phone: San Jose Police Department

Requesting Agency Contact: William Louker
Requesting Agency Contact Phone: San Jose Police Department

Requesting Agency Contact Email: San Jose Police Department

Request ID: 11/30/23
City: San Jose
Request Name: 11/30/23

Requester: William Louker
Request Date: 11/30/23

Requesting Agency: San Jose Police Department
Requesting Agency Address: San Jose Police Department
Requesting Agency Phone: San Jose Police Department

Requesting Agency Contact: William Louker
Requesting Agency Contact Phone: San Jose Police Department

Requesting Agency Contact Email: San Jose Police Department

Facor

Ordering a sample via this chain of custody or analysis request form does not constitute an order for analysis and acceptance of the data is final and conditional based on the information provided.

CHAIN-OF-CUSTODY / Analytical Request Document

Requested Client Information: **Company: Georgia Power** **Project To: Nathan Jarvis, Jimmy Scarce** **Location: Northside**
Address: 241 Spring Hill Rd, NE **City: Ft. Lauderdale, FL 33309** **Company Name: Georgia Power**
State: GA 30308 **Project Name: Spring Hill** **Address: 241 Spring Hill Rd, NE, Atlanta, GA 30308**
Phone: 404-777-2200 **Project Name: Spring Hill** **Phone: 404-777-2200**
Requested Date: 1/31/23 **Project Name: Spring Hill** **Phone: 404-777-2200**

ITEM #	SAMPLE ID	DATE	TIME	SAMPLE TEMP AT COLLECTION	PRESERVATION										REMARKS		
					REF	CLF	ALUM	TRIS	LAB	OTHER	REF	CLF	ALUM	TRIS		LAB	
1	BOY-BQWC-3A	1/31/23	12:22	5.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7.18 634
2	BOY-BQWC-3B				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	6.86 035
3	BOY-BQWC-3C				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
4	BOY-BQWC-3D				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
5	BOY-BQWC-3E				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
6	BOY-BQWC-3F				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
7	BOY-BQWC-3G				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
8	BOY-BQWC-3H				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
9	BOY-BQWC-3I				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
10	BOY-BQWC-3J				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

ITEM #	DATE	TIME	TEMP	BY	REMARKS
1	1/31/23	12:22	5.2	BYAN WILLIAMS	BYAN WILLIAMS / BAC 2/6/23 136
2				BYAN WILLIAMS	BYAN WILLIAMS / BAC 2/6/23 035
3					
4					
5					
6					
7					
8					
9					
10					

Requested By: **Byan Williams / BAC** **DATE: 1/31/23**

Requested Date: **1/31/23**

Requested By: **Byan Williams / BAC** **DATE: 1/31/23**

Requested Date: **1/31/23**



CHAIN-OF-CUSTODY / Analytical Request Document

Section A: Subsequent to receipt of this chain of custody, receipt of evidence shall be acknowledged and acceptance of the issue, Terms and Conditions found in the attached file, must be completed accurately.

Requested Project Information: **Region:** Western, **Agency:** Orange County
Address: 241 Rialto Blvd, Santa Ana, CA 92705
Case Name: [REDACTED]
Case Number: [REDACTED]
Requester Name: [REDACTED]

Region: Western, **Agency:** Orange County
Case Name: [REDACTED]
Case Number: [REDACTED]

Requester Name: [REDACTED]
Requester Title: [REDACTED]

ITEM #	DESCRIPTION	DATE	TIME	SAMPLE TYPE	COLLECTED		ANALYZED		DATE	TIME
					DATE	TIME	DATE	TIME		
001	Sample 1	1/31/23	1300	...	...	...	...	...	...	...
002	Sample 2	1/31/23	1500	...	...	...	...	...	...	...

ITEM #	DESCRIPTION	DATE	TIME	SAMPLE TYPE	COLLECTED		ANALYZED		DATE	TIME
					DATE	TIME	DATE	TIME		
003	Sample 3	1/31/23	1355	...	...	...	...	...	...	...

Received by: [Signature]
 Date: 1/31/23
 Title: [REDACTED]

Pace

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Public Terms and Conditions found at www.epa.gov/chainofcustody.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Requestor Contact Information:		Requestor Analytical Information:	
Company Name: Georgia Power	Sample ID: 3418-0001-0000	Requestor To: Linn Wilton, Director, Environmental Services	Address: 211 Rappahannock Dr., N.W., Augusta, GA 30909
Facility: 3418-0001-0000	Requestor From: Linn Wilton, Director, Environmental Services	Requestor Contact: Linn Wilton, Director, Environmental Services	Phone: (706) 733-7000
Requestor Contact Name: Linn Wilton	Requestor Contact Title: Director, Environmental Services	Requestor Contact Phone: (706) 733-7000	Requestor Contact Email: wiltonl@georgia.com
Requestor Contact Address: 3418-0001-0000	Requestor Contact City: Augusta	Requestor Contact State: GA	Requestor Contact Zip: 30909

ITEM #	SAMPLE ID Case Chemistry per Part 44.2, Part 1.1 Sample list must be unique	DATE COLLECTED	TIME COLLECTED	TEMP AT COLLECTION	# OF CONTAINERS	Preservatives										RAD 226/232	RAD 235/238	
						Matrix Code												
						Unpreserved	Ascorbic Acid	Bismuth	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Mercury			Nickel
3418-0001-0000	3418-0001-0000	7/11/23	1443	52	3													
3418-0001-0000	3418-0001-0000	7/11/23	1530	52	3													

Requestor Name: Linn Wilton	Requestor Title: Director, Environmental Services	Requestor Date: 7/11/23
Requestor Address: 3418-0001-0000	Requestor City: Augusta	Requestor State: GA
Requestor Zip: 30909	Requestor Phone: (706) 733-7000	Requestor Email: wiltonl@georgia.com

Page

Submitting a sample via the chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at: <http://www.pssc.state.ny.us/chain-of-custody.html>

CHAIN-OF-CUSTODY / Analytical Request Document

Page: 3 of 6

Requested Chain Information:
 Company: George Power
 Address: 301 Basin Street, Bldg 11C
 City: CA 20303
 State: IL 60612
 Country: USA

Requested Project Information:
 Project #: 171817-0009
 Project Name: Basin St

Requested Sample Information:
 Sample ID: 21123
 Sample Date: 2/11/23

Sample ID	Sample Date	Sample Location	Sampling Method	Sampling Time	Temperature	Weather	Remarks	Signature	Date
21123	2/11/23	1013	...	...	...	...	...	Ryan Wilkins	2/11/23

Sample ID	Sample Date	Sample Location	Sampling Method	Sampling Time	Temperature	Weather	Remarks	Signature	Date
21123	2/11/23	1013	...	...	...	...	...	Ryan Wilkins	2/11/23

Pace

Extending a sample via firm chain of custody certifies acknowledgment and acceptance of the Pace Form and Conditions to and all Materials provided by our client. Standard Form 1600-1

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

Page 1 of 2

Requester/Client Information:
 Company: Margie Power
 Address: 211 West 27th Street, NYC
 Account: CA 303A
 Project: Equal Employment Opportunity
 Requested Date: 2/1/2008
 Contact: [Name]

Requested Project Information:
 Request #:
 Project Name: Brown Mt. 1
 Project #:

Location Information:
 Location:
 Country: CA
 Address: 341 Palm Jct Road NE, Atlanta, GA 30309
 State: GA
 ZIP Code: 30309
 Project Manager: [Name]
 POC Phone #: [Number]

ITEM #	DESCRIPTION	DATE	TIME	COLLECTOR	ANALYSIS	PRESERVATION	ANALYSIS	ANALYST	DATE	TIME
1	SOIL SAMPLE	2/1/23	11:55		52	3			2/1/23	09:40

2	SOIL SAMPLE	2/1/23	11:55		52	3			2/1/23	09:40
3	SOIL SAMPLE	2/1/23	11:55		52	3			2/1/23	09:40
4	SOIL SAMPLE	2/1/23	11:55		52	3			2/1/23	09:40
5	SOIL SAMPLE	2/1/23	11:55		52	3			2/1/23	09:40
6	SOIL SAMPLE	2/1/23	11:55		52	3			2/1/23	09:40
7	SOIL SAMPLE	2/1/23	11:55		52	3			2/1/23	09:40
8	SOIL SAMPLE	2/1/23	11:55		52	3			2/1/23	09:40
9	SOIL SAMPLE	2/1/23	11:55		52	3			2/1/23	09:40
10	SOIL SAMPLE	2/1/23	11:55		52	3			2/1/23	09:40

Remarks:

Collected by: [Name]

Analyst: [Name]

Date: 2/1/23

Time: 09:40

Signature: [Signature]

PRICE

Submitting a sample via this chain of custody confirms and vouches for the accuracy and compliance of the data. All relevant fields must be completed accurately. The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

Requested Chain Information:
 Client: General Power
 Address: 241 River Street, North Bay, CA
 Phone: (415) 771-3000 Fax: (415) 771-3000
 Email: generalpower@comcast.net
 Requested On/By: 1/12/13

Requesting Project Information:
 Project ID: Water Quality Analysis System
 City: Los Angeles, CA Project: West Valley
 Project Name: Brown Act 1

Analysis Information:
 Analyte: Lead
 Container Name: Sample Bottle
 Address: 241 River Street, North Bay, CA 94920
 Project Manager: General Power
 Project Number: 10045

ITEM #	SAMPLE ID Date Collected per box (A.L. 641.1)	Matrix Code (see lab code in kit)	Sample Type (see kit code)	COLLECTED		PRESERVED							Batch of lot# (N/A)		
				DATE	TIME	# OF CONTAINERS	Unpreserved	NOCC	NO	NO	NOCC	Other			
BOW-AP1-EB-0A		WNO G													
BOW-AP1-EB-0A		WNO G													
BOW-AP1-EB-01		WNO G													
BOW-AP1-EB-02		WNO G													
BOW-AP1-EB-03		WNO G													
BOW-AP1-EB-04		WNO G													
BOW-AP1-EB-05		WNO G													
BOW-AP1-EB-06		WNO G													
BOW-AP1-EB-07		WNO G													
BOW-AP1-EB-08		WNO G													
BOW-AP1-EB-09		WNO G													
BOW-AP1-EB-10		WNO G													
BOW-AP1-EB-11		WNO G													
BOW-AP1-EB-12		WNO G													
BOW-AP1-EB-13		WNO G													
BOW-AP1-EB-14		WNO G													
BOW-AP1-EB-15		WNO G													
BOW-AP1-EB-16		WNO G													
BOW-AP1-EB-17		WNO G													
BOW-AP1-EB-18		WNO G													
BOW-AP1-EB-19		WNO G													
BOW-AP1-EB-20		WNO G													
BOW-AP1-EB-21		WNO G													
BOW-AP1-EB-22		WNO G													
BOW-AP1-EB-23		WNO G													
BOW-AP1-EB-24		WNO G													
BOW-AP1-EB-25		WNO G													
BOW-AP1-EB-26		WNO G													
BOW-AP1-EB-27		WNO G													
BOW-AP1-EB-28		WNO G													
BOW-AP1-EB-29		WNO G													
BOW-AP1-EB-30		WNO G													
BOW-AP1-EB-31		WNO G													
BOW-AP1-EB-32		WNO G													
BOW-AP1-EB-33		WNO G													
BOW-AP1-EB-34		WNO G													
BOW-AP1-EB-35		WNO G													
BOW-AP1-EB-36		WNO G													
BOW-AP1-EB-37		WNO G													
BOW-AP1-EB-38		WNO G													
BOW-AP1-EB-39		WNO G													
BOW-AP1-EB-40		WNO G													
BOW-AP1-EB-41		WNO G													
BOW-AP1-EB-42		WNO G													
BOW-AP1-EB-43		WNO G													
BOW-AP1-EB-44		WNO G													
BOW-AP1-EB-45		WNO G													
BOW-AP1-EB-46		WNO G													
BOW-AP1-EB-47		WNO G													
BOW-AP1-EB-48		WNO G													
BOW-AP1-EB-49		WNO G													
BOW-AP1-EB-50		WNO G													

Requested Chain Information:
 Client: General Power
 Address: 241 River Street, North Bay, CA
 Phone: (415) 771-3000 Fax: (415) 771-3000
 Email: generalpower@comcast.net
 Requested On/By: 1/12/13

Requesting Project Information:
 Project ID: Water Quality Analysis System
 City: Los Angeles, CA Project: West Valley
 Project Name: Brown Act 1

Analysis Information:
 Analyte: Lead
 Container Name: Sample Bottle
 Address: 241 River Street, North Bay, CA 94920
 Project Manager: General Power
 Project Number: 10045

Chain of Custody:

Received by (N/A)	Received on (N/A)	Sampled (N/A)	Sampled on (N/A)	Received by (N/A)	Received on (N/A)	Sampled (N/A)	Sampled on (N/A)
Ben Williams	1/12/13	3/12/13	3/12/13	Ben Williams	1/12/13	3/12/13	3/12/13

Requested Chain Information:
 Client: General Power
 Address: 241 River Street, North Bay, CA
 Phone: (415) 771-3000 Fax: (415) 771-3000
 Email: generalpower@comcast.net
 Requested On/By: 1/12/13

Requesting Project Information:
 Project ID: Water Quality Analysis System
 City: Los Angeles, CA Project: West Valley
 Project Name: Brown Act 1

Analysis Information:
 Analyte: Lead
 Container Name: Sample Bottle
 Address: 241 River Street, North Bay, CA 94920
 Project Manager: General Power
 Project Number: 10045

Chain of Custody:

Received by (N/A)	Received on (N/A)	Sampled (N/A)	Sampled on (N/A)	Received by (N/A)	Received on (N/A)	Sampled (N/A)	Sampled on (N/A)
Ben Williams	1/12/13	3/12/13	3/12/13	Ben Williams	1/12/13	3/12/13	3/12/13

Page 1

Submitting a sample for the above analysis constitutes acknowledgment and acceptance of the Print Terms and Conditions listed at the end of this production control sheet and associated test

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 OF 3

Project and Client Information:

Project No: [Blank] Request To: [Blank]

Client Name: [Blank] Request Name: [Blank]

Project Location: [Blank] Request Location: [Blank]

Project Start Date: [Blank] Request Start Date: [Blank]

Project End Date: [Blank] Request End Date: [Blank]

Project Manager: [Blank] Request Manager: [Blank]

Project Status: [Blank] Request Status: [Blank]

Project Description: [Blank]

ITEM #	SAMPLE ID	DATE	TIME	COLLECTOR	ANALYSIS	LABORATORY	METHOD	ANALYST	CHECKER	DATE	TEMP °C	RECEIVED BY				
												Signature	Print Name	Date	Time	
1	BOH-BQW-C-17	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
2	BOH-BQW-C-18	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
3	BOH-BQW-C-19	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
4	BOH-BQW-C-20	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
5	BOH-BQW-C-21	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
6	BOH-BQW-C-22	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
7	BOH-BQW-C-23	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
8	BOH-BQW-C-24	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
9	BOH-BQW-C-25	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
10	BOH-BQW-C-26	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
11	BOH-BQW-C-27	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
12	BOH-BQW-C-28	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
13	BOH-BQW-C-29	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
14	BOH-BQW-C-30	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]
15	BOH-BQW-C-31	11/23	10:40	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]	[Blank]

Client Information:

Client Name: [Blank]

Client Address: [Blank]

Client City: [Blank]

Client State: [Blank]

Client Zip: [Blank]

Client Contact: [Blank]

Client Phone: [Blank]

Client Email: [Blank]

Client Website: [Blank]

Client Logo: [Blank]



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A: Requester (Client) Information: **Client Name:** [Blank] **Client Address:** [Blank] **Client City/State/Zip:** [Blank] **Client Phone:** [Blank] **Client Email:** [Blank] **Requester Name:** [Blank] **Requester Title:** [Blank] **Requester Organization:** [Blank] **Requester Date:** [Blank] **Requester Signature:** [Blank]

Section B: Requested Project Information: **Project Name:** [Blank] **Project Address:** [Blank] **Project City/State/Zip:** [Blank] **Project Phone:** [Blank] **Project Email:** [Blank] **Project Start Date:** [Blank] **Project End Date:** [Blank] **Project Manager:** [Blank] **Project Supervisor:** [Blank] **Project Operator:** [Blank] **Project Analyst:** [Blank] **Project Collector:** [Blank] **Project Driver:** [Blank] **Project Operator:** [Blank] **Project Supervisor:** [Blank] **Project Operator:** [Blank] **Project Collector:** [Blank] **Project Driver:** [Blank]

Item #	Sample ID	Matrix	Sample Type	Collection Date	Time of Collection	Preservation	Analysis Tests	Residue Counts (Y/N)
1	BMW-BIOMC-38	WAG	D					
2	BMW-BIOMC-38	WAG	D					
3	BMW-BIOMC-38	WAG	D					
4	BMW-BIOMC-38	WAG	D					
5	BMW-BIOMC-38	WAG	D					
6	BMW-BIOMC-38	WAG	D					
7	BMW-BIOMC-38	WAG	D					
8	BMW-BIOMC-38	WAG	D					
9	BMW-BIOMC-38	WAG	D					
10	BMW-BIOMC-38	WAG	D					
11	BMW-BIOMC-38	WAG	D					
12	BMW-BIOMC-38	WAG	D					
13	BMW-BIOMC-38	WAG	D					
14	BMW-BIOMC-38	WAG	D					
15	BMW-BIOMC-38	WAG	D					
16	BMW-BIOMC-38	WAG	D					
17	BMW-BIOMC-38	WAG	D					
18	BMW-BIOMC-38	WAG	D					
19	BMW-BIOMC-38	WAG	D					
20	BMW-BIOMC-38	WAG	D					
21	BMW-BIOMC-38	WAG	D					
22	BMW-BIOMC-38	WAG	D					
23	BMW-BIOMC-38	WAG	D					
24	BMW-BIOMC-38	WAG	D					
25	BMW-BIOMC-38	WAG	D					
26	BMW-BIOMC-38	WAG	D					
27	BMW-BIOMC-38	WAG	D					
28	BMW-BIOMC-38	WAG	D					
29	BMW-BIOMC-38	WAG	D					
30	BMW-BIOMC-38	WAG	D					
31	BMW-BIOMC-38	WAG	D					
32	BMW-BIOMC-38	WAG	D					
33	BMW-BIOMC-38	WAG	D					
34	BMW-BIOMC-38	WAG	D					
35	BMW-BIOMC-38	WAG	D					
36	BMW-BIOMC-38	WAG	D					
37	BMW-BIOMC-38	WAG	D					
38	BMW-BIOMC-38	WAG	D					
39	BMW-BIOMC-38	WAG	D					
40	BMW-BIOMC-38	WAG	D					
41	BMW-BIOMC-38	WAG	D					
42	BMW-BIOMC-38	WAG	D					
43	BMW-BIOMC-38	WAG	D					
44	BMW-BIOMC-38	WAG	D					
45	BMW-BIOMC-38	WAG	D					
46	BMW-BIOMC-38	WAG	D					
47	BMW-BIOMC-38	WAG	D					
48	BMW-BIOMC-38	WAG	D					
49	BMW-BIOMC-38	WAG	D					
50	BMW-BIOMC-38	WAG	D					
51	BMW-BIOMC-38	WAG	D					
52	BMW-BIOMC-38	WAG	D					
53	BMW-BIOMC-38	WAG	D					
54	BMW-BIOMC-38	WAG	D					
55	BMW-BIOMC-38	WAG	D					
56	BMW-BIOMC-38	WAG	D					
57	BMW-BIOMC-38	WAG	D					
58	BMW-BIOMC-38	WAG	D					
59	BMW-BIOMC-38	WAG	D					
60	BMW-BIOMC-38	WAG	D					
61	BMW-BIOMC-38	WAG	D					
62	BMW-BIOMC-38	WAG	D					
63	BMW-BIOMC-38	WAG	D					
64	BMW-BIOMC-38	WAG	D					
65	BMW-BIOMC-38	WAG	D					
66	BMW-BIOMC-38	WAG	D					
67	BMW-BIOMC-38	WAG	D					
68	BMW-BIOMC-38	WAG	D					
69	BMW-BIOMC-38	WAG	D					
70	BMW-BIOMC-38	WAG	D					
71	BMW-BIOMC-38	WAG	D					
72	BMW-BIOMC-38	WAG	D					
73	BMW-BIOMC-38	WAG	D					
74	BMW-BIOMC-38	WAG	D					
75	BMW-BIOMC-38	WAG	D					
76	BMW-BIOMC-38	WAG	D					
77	BMW-BIOMC-38	WAG	D					
78	BMW-BIOMC-38	WAG	D					
79	BMW-BIOMC-38	WAG	D					
80	BMW-BIOMC-38	WAG	D					
81	BMW-BIOMC-38	WAG	D					
82	BMW-BIOMC-38	WAG	D					
83	BMW-BIOMC-38	WAG	D					
84	BMW-BIOMC-38	WAG	D					
85	BMW-BIOMC-38	WAG	D					
86	BMW-BIOMC-38	WAG	D					
87	BMW-BIOMC-38	WAG	D					
88	BMW-BIOMC-38	WAG	D					
89	BMW-BIOMC-38	WAG	D					
90	BMW-BIOMC-38	WAG	D					
91	BMW-BIOMC-38	WAG	D					
92	BMW-BIOMC-38	WAG	D					
93	BMW-BIOMC-38	WAG	D					
94	BMW-BIOMC-38	WAG	D					
95	BMW-BIOMC-38	WAG	D					
96	BMW-BIOMC-38	WAG	D					
97	BMW-BIOMC-38	WAG	D					
98	BMW-BIOMC-38	WAG	D					
99	BMW-BIOMC-38	WAG	D					
100	BMW-BIOMC-38	WAG	D					

Requester Signature: [Blank] **Date:** [Blank]
Requester Title: [Blank] **Requester Organization:** [Blank]
Requester Address: [Blank] **Requester City/State/Zip:** [Blank] **Requester Phone:** [Blank] **Requester Email:** [Blank]



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a legal document. All relevant facts must be completed accurately.

Requested Project Information:

Client: Georgia Power Requestor: Robert Jackson, Air Quality Section

Address: 241 North Harbor Blvd NE City: Atlanta, GA 30304

Phone: (404) 527-6000 Fax: _____

Project Name: North Harbor Requested By: Robert Jackson

Request Date: 2/12/23 Requested By Title: Senior Project Engineer

Requestor Email: robert.jackson@ge.com

Requestor Phone: 404-527-6000

Requestor Address: 241 North Harbor Blvd NE, Atlanta, GA 30304

Requestor City: Atlanta, GA

Requestor State: GA

Requestor Zip: 30304

ITEM #	SAMPLE ID	DATE	TIME	SAMPLE TEMP AT COLLECTION	PRESERVED								Y/N	REMARKS	
					100% CONTAINER	UNPUNCTURED	NEUTRAL	NO COOLANT	NO LIGHT	NO VIBRATION	NO STORAGE	NO CONTAMINATION			
1	BOW-0301C-010	2/2/23	1305	5	2	3									
2	BOW-0301C-020														
3	BOW-0301C-030														
4	BOW-0301C-040														
5	BOW-0301C-050														
6	BOW-0301C-060														
7	BOW-0301C-070														
8	BOW-0301C-080														
9	BOW-0301C-090														
10	BOW-0301C-100														
11	BOW-0301C-110														
12	BOW-0301C-120														
13	BOW-0301C-130														
14	BOW-0301C-140														
15	BOW-0301C-150														
16	BOW-0301C-160														
17	BOW-0301C-170														
18	BOW-0301C-180														
19	BOW-0301C-190														
20	BOW-0301C-200														

Requested Project Information:

Client: Georgia Power Requestor: Robert Jackson, Air Quality Section

Address: 241 North Harbor Blvd NE City: Atlanta, GA 30304

Phone: (404) 527-6000 Fax: _____

Project Name: North Harbor Requested By: Robert Jackson

Request Date: 2/12/23 Requested By Title: Senior Project Engineer

Requestor Email: robert.jackson@ge.com

Requestor Phone: 404-527-6000

Requestor Address: 241 North Harbor Blvd NE, Atlanta, GA 30304

Requestor City: Atlanta, GA

Requestor State: GA

Requestor Zip: 30304



CHAIN-OF-CUSTODY / Analytical Request Document

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

Requested by and phone number: **George Power**
 Address: **241 Regt. Medical Bldg. MS**
 Address: **241 Regt. Medical Bldg. MS**
 City/State: **Fort Belvoir, Colorado**
 Phone: **(303) 331-4000**
 Requested Date: **2/2/23**

Requested by and phone number: **George Power**
 Address: **241 Regt. Medical Bldg. MS**
 City/State: **Fort Belvoir, Colorado**
 Phone: **(303) 331-4000**
 Requested Date: **2/2/23**

ITEM #	SAMPLE ID	WATER DOSE	MATERIAL TYPE	COLLECTED		SAMPLE TEMP AT COLLECTION		PRESERVATION		ANALYSIS		Remarks (Chain of Custody)
				DATE	TIME	# OF CONTAINERS	Method	Temp	Time	Notes	Tests	
101	BOWM-AP1-EB-01	100 G	2/2/23	1310	5	2	3					
102	BOWM-AP1-EB-04	100 G										
103	BOWM-AP1-EB-01	100 G										
104	BOWM-AP1-EB-02	100 G										
105	BOWM-AP1-EB-03	100 G										
106	BOWM-AP1-EB-04	100 G										
107	BOWM-AP1-EB-05	100 G										
108	BOWM-AP1-EB-06	100 G										
109	BOWM-AP1-EB-07	100 G										
110	BOWM-AP1-EB-08	100 G	2/2/23	1300	5	2	3					

ANALYSIS	INITIALS	DATE	TIME	REMARKS	TEMP °C	Received on	Custody	Sample

PCB

CHAIN-OF-CUSTODY / Analytical Request Document

Obtaining a sample in this chain of custody constitutes acknowledgment and acceptance of the scope, terms and conditions found in analytical protocols and methods. A request form may be completed accurately.

Sample A
 Requested by: [Blank] Requested by phone number: [Blank]
 Requested by fax: [Blank] Requested by email: [Blank]
 Requested date: [Blank] Requested time: [Blank]
 Requested quantity: [Blank]
 Requested by: [Blank] Requested by title: [Blank]
 Requested by company: [Blank]
 Requested by address: [Blank]
 Requested by city: [Blank]
 Requested by state: [Blank]
 Requested by zip: [Blank]
 Requested by phone: [Blank]
 Requested by fax: [Blank]
 Requested by email: [Blank]
 Requested by website: [Blank]
 Requested by other: [Blank]

SAMPLE ID
 One Character per cell.
 (A-Z, 0-9, /, -)
 Multiple IDs must be unique.

DATE: [Blank] TIME: [Blank]
 LOCATION: [Blank] METHOD: [Blank]
 ANALYST: [Blank] INSTRUMENT: [Blank]
 REAGENT: [Blank] CALIBRATION: [Blank]

ITEM #	WATER CODE (see water codes in file)	SAMPLE TYPE (see codes in file)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PREPARED BY	ANALYST	LABORATORY	DATE	TIME	REMARKS
BQW-BQW-17	WQ1 0											
BQW-BQW-18	WQ1 0											
BQW-BQW-19	WQ1 0											
BQW-BQW-20	WQ1 0											
BQW-BQW-21	WQ1 0											
BQW-BQW-22	WQ1 0		2/7/23	1100		52	3					6.44 054
BQW-BQW-23	WQ1 0											
BQW-BQW-24	WQ1 0											
BQW-BQW-25	WQ1 0											
BQW-BQW-26	WQ1 0											
BQW-BQW-27	WQ1 0											
BQW-BQW-28	WQ1 0											
BQW-BQW-29	WQ1 0											
BQW-BQW-30	WQ1 0											

TOTAL COST: [Blank]
 ANALYST: [Blank]
 DATE: [Blank]
 TIME: [Blank]
 SIGNATURE: [Blank]
 TITLE: [Blank]
 ADDRESS: [Blank]
 CITY: [Blank]
 STATE: [Blank]
 ZIP: [Blank]
 PHONE: [Blank]
 FAX: [Blank]
 EMAIL: [Blank]
 WEBSITE: [Blank]



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A

Project/Client Information:

Client: Orange County

Address: 241 N. Harbor Blvd, Ste 100

City: Orange, CA 92668

Phone: (714) 940-1234

Project Name: Orange County

Section B

Project Information:

Project ID: 12345

Project Name: Orange County

Section C

Project Information:

Project ID: 12345

Project Name: Orange County

ITEM #	Description	Quantity	Collected		Sample Temp	Containers		Preservatives	Analysis	Remarks
			Date	Time		Material	Volume			
001	NON-BIOMC-30	1	2/7/23	1536	52	3				42049233
002	NON-BIOMC-30	1								
003	NON-BIOMC-30	1								
004	NON-BIOMC-30	1								
005	NON-BIOMC-30	1								
006	NON-BIOMC-30	1								
007	NON-BIOMC-30	1								
008	NON-BIOMC-30	1								
009	NON-BIOMC-30	1								
010	NON-BIOMC-30	1								
011	NON-BIOMC-30	1								
012	NON-BIOMC-30	1								
013	NON-BIOMC-30	1								
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097	NON-BIOMC-30	1								
098	NON-BIOMC-30	1								
099	NON-BIOMC-30	1								
100	NON-BIOMC-30	1								

Section A

Client Name: Orange County

Client Address: 241 N. Harbor Blvd, Ste 100

Client City: Orange, CA 92668

Client Phone: (714) 940-1234

Project Name: Orange County

Section B

Project Information:

Project ID: 12345

Project Name: Orange County

Section C

Project Information:

Project ID: 12345

Project Name: Orange County

Section D

Project Information:

Project ID: 12345

Project Name: Orange County

Section E

Project Information:

Project ID: 12345

Project Name: Orange County

Section F

Project Information:

Project ID: 12345

Project Name: Orange County

Section G

Project Information:

Project ID: 12345

Project Name: Orange County

Section H

Project Information:

Project ID: 12345

Project Name: Orange County

Section I

Project Information:

Project ID: 12345

Project Name: Orange County

Section J

Project Information:

Project ID: 12345

Project Name: Orange County

Section K

Project Information:

Project ID: 12345

Project Name: Orange County

Section L

Project Information:

Project ID: 12345

Project Name: Orange County

Section M

Project Information:

Project ID: 12345

Project Name: Orange County

Section N

Project Information:

Project ID: 12345

Project Name: Orange County

Section O

Project Information:

Project ID: 12345

Project Name: Orange County

Section P

Project Information:

Project ID: 12345

Project Name: Orange County

Section Q

Project Information:

Project ID: 12345

Project Name: Orange County

Section R

Project Information:

Project ID: 12345

Project Name: Orange County

Section S

Project Information:

Project ID: 12345

Project Name: Orange County

Section T

Project Information:

Project ID: 12345

Project Name: Orange County

Section U

Project Information:

Project ID: 12345

Project Name: Orange County

Section V

Project Information:

Project ID: 12345

Project Name: Orange County

Section W

Project Information:

Project ID: 12345

Project Name: Orange County

Section X

Project Information:

Project ID: 12345

Project Name: Orange County

Section Y

Project Information:

Project ID: 12345

Project Name: Orange County

Section Z

Project Information:

Project ID: 12345

Project Name: Orange County

Page

Submitting a sample via this sheet is subject to conditions set forth in the Chain-of-Custody and Acceptance of Sample Terms and Conditions found at the following URL: <http://www.legis.state.nj.us/lr-spa/set001010.html>

CHAIN-OF-CUSTODY / Analytical Request Document

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Page 1 of 5

Requester: Garrett Brown	Request To: Ronald D'Amico, Anthony Gualano	Submitter: Bowen
Address: 241 Main Street, 07th, NJ, NJ 07033	City: Lawrenceville, GA	Company Name: Garrett Brown
Phone: 478 031 1700	Project Name: Bowen AP-1	Specimen: 10944-5
Requested Date: 2/17/23	Request Date: 2/17/23	Analysis: 241 Main Street, 07th, NJ, NJ 07033

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATION									Refrigerated (Y/N)	
								Freeze	Freeze + Dry	Dry	Cryogenic	Other	Other	Other	Other	Other		Other
1	BOW-AP01-480	WTG G																
2	BOW-AP01-490	WTG G																
3	BOW-AP01-500	WTG G																
4	BOW-AP01-510	WTG G																
5	BOW-AP01-520	WTG G																
6	BOW-AP01-530	WTG G																
7	BOW-AP01-540	WTG G																
8	BOW-AP01-550	WTG G																
9	BOW-AP01-560	WTG G																
10	BOW-AP01-570	WTG G																
11	BOW-AP01-580	WTG G																
12	BOW-AP01-590	WTG G																
13	BOW-AP01-600	WTG G																
14	BOW-AP01-610	WTG G																
15	BOW-AP01-620	WTG G																
16	BOW-AP01-630	WTG G																
17	BOW-AP01-640	WTG G																
18	BOW-AP01-650	WTG G																
19	BOW-AP01-660	WTG G																
20	BOW-AP01-670	WTG G																
21	BOW-AP01-680	WTG G																
22	BOW-AP01-690	WTG G																
23	BOW-AP01-700	WTG G																
24	BOW-AP01-710	WTG G																
25	BOW-AP01-720	WTG G																

Witness: Garrett Brown 2/17/23 12:35 Kegan Williams / Kate 2/17/23 15:30 Kegan Williams / Kate 2/17/23 17:00

Method Name of Analysis: <u>As is</u>	Date Recvd: <u>2/17/23</u>
Submitting Facility: <u>Garrett Brown</u>	Date Recvd: <u>2/17/23</u>
Submitter Name: <u>Garrett Brown</u>	Date Recvd: <u>2/17/23</u>
Submitter Address: <u>241 Main Street, 07th, NJ, NJ 07033</u>	Date Recvd: <u>2/17/23</u>
Submitter Phone: <u>478 031 1700</u>	Date Recvd: <u>2/17/23</u>
Submitter Email: <u>garrettbrown@gmail.com</u>	Date Recvd: <u>2/17/23</u>
Submitter Website: <u>garrettbrown.com</u>	Date Recvd: <u>2/17/23</u>

51699257

May 2023

May 23, 2023

Kristen Jurinko
Southern Co.

RE: Project: Bowen AP
Pace Project No.: 92667104

Dear Kristen Jurinko:

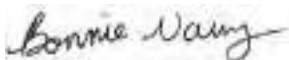
Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,



Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Whitney Law, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Anthony Szwast, Geosyntec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen AP

Pace Project No.: 92667104

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen AP

Pace Project No.: 92667104

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92667104001	BOW-BGWC-23	Water	05/10/23 13:25	05/11/23 12:50
92667104002	BOW-AP1-FD-03	Water	05/10/23 00:00	05/11/23 12:50
92667104003	BOW-AP1-FB-03	Water	05/10/23 14:26	05/11/23 12:50
92667104004	BOW-AP1-EB-01	Water	05/10/23 14:24	05/11/23 12:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP

Pace Project No.: 92667104

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92667104001	BOW-BGWC-23	EPA 6020B	CW1	1
92667104002	BOW-AP1-FD-03	EPA 6020B	CW1	1
92667104003	BOW-AP1-FB-03	EPA 6020B	CW1	1
92667104004	BOW-AP1-EB-01	EPA 6020B	CW1	1

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP
 Pace Project No.: 92667104

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92667104001	BOW-BGWC-23					
	Performed by	CUSTOME			05/11/23 17:50	
	pH	6.74	Std. Units		05/11/23 17:50	
EPA 6020B	Antimony	0.0032	mg/L	0.0030	05/22/23 15:59	
92667104002	BOW-AP1-FD-03					
EPA 6020B	Antimony	0.0038	mg/L	0.0030	05/22/23 16:03	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen AP
 Pace Project No.: 92667104

Sample: BOW-BGWC-23 **Lab ID: 92667104001** Collected: 05/10/23 13:25 Received: 05/11/23 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	CUSTOMER				1		05/11/23 17:50		
pH	6.74	Std. Units			1		05/11/23 17:50		
6020 MET ICPMS	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	0.0032	mg/L	0.0030	0.0012	1	05/13/23 12:40	05/22/23 15:59	7440-36-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen AP

Pace Project No.: 92667104

Sample: BOW-AP1-FD-03		Lab ID: 92667104002		Collected: 05/10/23 00:00		Received: 05/11/23 12:50		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0038	mg/L	0.0030	0.0012	1	05/13/23 12:40	05/22/23 16:03	7440-36-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen AP

Pace Project No.: 92667104

Sample: BOW-AP1-FB-03 Lab ID: 92667104003 Collected: 05/10/23 14:26 Received: 05/11/23 12:50 Matrix: Water

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

6020 MET ICPMS

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

Antimony	ND	mg/L	0.0030	0.00078	1	05/13/23 12:40	05/17/23 19:30	7440-36-0	
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen AP

Pace Project No.: 92667104

Sample: BOW-AP1-EB-01 Lab ID: 92667104004 Collected: 05/10/23 14:24 Received: 05/11/23 12:50 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	05/13/23 12:40	05/17/23 19:36	7440-36-0	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen AP

Pace Project No.: 92667104

QC Batch: 774314

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92667104001, 92667104002, 92667104003, 92667104004

METHOD BLANK: 4018700

Matrix: Water

Associated Lab Samples: 92667104001, 92667104002, 92667104003, 92667104004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	05/17/23 18:48	

LABORATORY CONTROL SAMPLE: 4018701

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4018702 4018703

Parameter	Units	4018702		4018703		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Antimony	mg/L	0.0032	0.1	0.12	0.1	115	111	75-125	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen AP

Pace Project No.: 92667104

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP

Pace Project No.: 92667104

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92667104001	BOW-BGWC-23				
92667104001	BOW-BGWC-23	EPA 3005A	774314	EPA 6020B	774346
92667104002	BOW-AP1-FD-03	EPA 3005A	774314	EPA 6020B	774346
92667104003	BOW-AP1-FB-03	EPA 3005A	774314	EPA 6020B	774346
92667104004	BOW-AP1-EB-01	EPA 3005A	774314	EPA 6020B	774346

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A:
 Required Client Information:
 Contract: Georgia Power
 Address: 241 Ralph McGill Blvd, NE
 Atlanta, GA 30304
 Email: kjwh@ga.com
 Phone: (478) 217-2000
 Request Date Code: Standard

Section B:
 Required Project Information:
 Region: LAMM, LAMM, One Hodges, LAMM, LAMM
 City/Town: LAMM, LAMM, One Hodges, LAMM, LAMM
 Property Name: Bowen AP
 Project #

Section C:
 Previous Information:
 Client Name: Georgia Power
 Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30304
 Project Name: bonnie.yama@ga.com
 Project # 31000-4

Section D:
 Regulatory Agency: GA
 State/Location: GA

ITEM #	SAMPLE ID Olea Character per Item 1A-2, 8-1, 1-1 Samples may be unique	DATE	TIME	START	SAMPLE TEMP AT COLLECTION	PROPERTY/TEST										RESIDUAL CHROMA (Y/N)		
						UNREGISTERED	INFORM	INFORM	INFORM	INFORM	INFORM	INFORM	INFORM	ANALYSES TEST	ANALYST			
1	BOW-BGW-C-23	5/10/23	1325				X											
2	BOW-AP1-ED-03	5/10/23																
3	BOW-AP1-FB-03	5/10/23	1426				X											
4	BOW-AP1-EB-01	5/10/23	1424				X											
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

WOW#: 92667104

RECEIVED BY: *[Signature]* DATE: 5/10/23 TIME: 0901

ISSUED BY: *[Signature]* DATE: 5/10/23 TIME: 1250

TEMP IN C: _____

RECEIVED ON: _____

CUSTODY: _____

SEALED: _____

COCKER: _____

SAMPLES: _____

INITIALS: _____



DC# Title: ENV-FRM-HUN1-0083 v02 Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #:

WO#: 92667104

PN: BY Due Date: 05/25/23

CLIENT: 92-OP-BOMLF

Courier: Fed Ex UPS USPS Client Pace Other

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer:

IR Gun ID: 230

Type of Ice: Wet Blue None

Biological Tissue Frozen?

Yes No N/A

Cooler Temp: 2.3 Correction Factor: Add/Subtract (°C) -0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples or ice cooling process has begun

Cooler Temp Corrected (°C): 2.3

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:	
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis- Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix:	GW		
Headspace in VOA Vials (>5-Emm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, U:lg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92667104

PH: 8V

Due Date: 05/25/23

CLIENT: B2-GP-80MLF

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP5U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic #N03 (pH < 2)	BP4S-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	W4994-Wide-mouthed Glass jar Unpreserved	AG3U-1 liter Amber Unpreserved (N/A) (Cl-)	AG3M-1 liter Amber HCl (pH < 2)	AG3M-250 mL Amber Unpreserved (N/A) (Cl-)	AG3S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9M-40 mL Amber NH4Cl (N/A)(Cl-)	DG9M-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9M-40 mL VOA H3PO4 (N/A)	IGP7U-20 mL Plastic Unpreserved (N/A)	V75K (3 vials per kit) VPH Gas kit (N/A)	SP2T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3N-250 mL Plastic (N/A) (B-3-9 7)	AG3U-100 mL Amber Unpreserved (N/A) (Cl-)	V59U-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

August 2023



October 10, 2023

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1
Pace Project No.: 92683381

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 17, 2023 and August 28, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Asheville
- Pace Analytical Services - Peachtree Corners, GA

For WO 92683381-014, Sb required a re-analysis due to possible carryover from previous samples performed and the result is reported from the re-run at non-detect.

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Whitney Law, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Anthony Szwast, Geosyntec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen AP-1

Pace Project No.: 92683381

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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**SAMPLE SUMMARY**

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92683381001	BOW-BGWA-29	Water	08/16/23 11:10	08/17/23 14:32
92683381002	BOW-BGWA-48D	Water	08/16/23 11:03	08/17/23 14:32
92683381003	BOW-BGWC-8	Water	08/16/23 14:32	08/17/23 14:32
92683381004	BOW-BGWC-12	Water	08/16/23 14:39	08/17/23 14:32
92683381005	BOW-BGWC-14A	Water	08/16/23 13:00	08/17/23 14:32
92683381006	BOW-BGWA-47D	Water	08/15/23 13:04	08/17/23 14:32
92683381007	BOW-BGWA-6	Water	08/15/23 13:29	08/17/23 14:32
92683381008	BOW-BGWC-44D	Water	08/15/23 11:08	08/17/23 14:32
92683381009	BOW-AP1-FB-13	Water	08/16/23 15:45	08/17/23 14:32
92683381010	BOW-BGWC-50D	Water	08/15/23 15:25	08/17/23 14:32
92683381011	BOW-AP1-FD-08	Water	08/15/23 00:00	08/17/23 14:32
92683381012	BOW-AP1-FB-12	Water	08/15/23 15:40	08/17/23 14:32
92683381013	BOW-BGWC-7	Water	08/17/23 10:08	08/21/23 10:55
92683381014	BOW-BGWC-9	Water	08/17/23 12:57	08/21/23 10:55
92683381015	BOW-BGWC-10	Water	08/17/23 11:19	08/21/23 10:55
92683381016	BOW-BGWC-16	Water	08/17/23 11:15	08/21/23 10:55
92683381017	BOW-BGWC-17	Water	08/17/23 12:50	08/21/23 10:55
92683381018	BOW-BGWC-18	Water	08/17/23 14:45	08/21/23 10:55
92683381019	BOW-BGWC-25	Water	08/17/23 14:52	08/21/23 10:55
92683381020	BOW-AP1-FD-09	Water	08/17/23 00:00	08/21/23 10:55
92683381021	BOW-AP1-FB-14	Water	08/17/23 15:24	08/21/23 10:55
92683381022	BOW-BGWC-19	Water	08/18/23 09:55	08/21/23 10:55
92683381023	BOW-BGWC-20	Water	08/18/23 13:08	08/21/23 10:55
92683381024	BOW-BGWC-31	Water	08/18/23 12:50	08/21/23 10:55
92683381025	BOW-BGWC-32	Water	08/18/23 09:26	08/21/23 10:55
92683381026	BOW-BGWC-34D	Water	08/18/23 11:27	08/21/23 10:55
92683381027	BOW-BGWC-40	Water	08/18/23 11:30	08/21/23 10:55
92683381028	BOW-AP1-FB-15	Water	08/18/23 13:13	08/21/23 10:55
92683381029	BOW-BGWA-33	Water	08/23/23 10:01	08/24/23 09:10
92683381030	BOW-BGWA-2	Water	08/21/23 13:54	08/24/23 09:10
92683381031	BOW-BGWC-21	Water	08/23/23 12:51	08/24/23 09:10
92683381032	BOW-BGWC-23	Water	08/23/23 14:40	08/24/23 09:10
92683381033	BOW-BGWC-22	Water	08/22/23 13:21	08/24/23 09:10
92683381034	BOW-BGWC-30	Water	08/21/23 11:50	08/24/23 09:10
92683381035	BOW-BGWC-39	Water	08/23/23 12:10	08/24/23 09:10
92683381036	BOW-BGWC-41D	Water	08/23/23 14:50	08/24/23 09:10
92683381037	BOW-BGWC-43D	Water	08/23/23 10:32	08/24/23 09:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92683381038	BOW-BGWC-36D	Water	08/21/23 13:20	08/24/23 09:10
92683381039	BOW-BGWC-38D	Water	08/21/23 16:10	08/24/23 09:10
92683381040	BOW-AP1-FD-11	Water	08/23/23 00:00	08/24/23 09:10
92683381041	BOW-AP1-FB-18	Water	08/23/23 15:40	08/24/23 09:10
92683381042	BOW-AP1-EB-04	Water	08/23/23 15:55	08/24/23 09:10
92683381043	BOW-BGWC-49D	Water	08/22/23 15:05	08/24/23 09:10
92683381044	BOW-BGWC-52	Water	08/22/23 11:24	08/24/23 09:10
92683381045	BOW-AP1-FB-17	Water	08/22/23 16:11	08/24/23 09:10
92683381046	BOW-AP1-EB-03	Water	08/22/23 16:03	08/24/23 09:10
92683381047	BOW-BGWC-51	Water	08/21/23 15:46	08/24/23 09:10
92683381048	BOW-AP1-FD-10	Water	08/21/23 00:00	08/24/23 09:10
92683381049	BOW-AP1-FB-16	Water	08/21/23 16:50	08/24/23 09:10
92683381050	BOW-AP1-EB-02	Water	08/21/23 16:55	08/24/23 09:10
92683381051	BOW-BGWC-24	Water	08/25/23 10:30	08/28/23 09:00
92683381052	BOW-BGWC-35D	Water	08/24/23 12:15	08/28/23 09:00
92683381053	BOW-BGWC-37D	Water	08/24/23 13:39	08/28/23 09:00
92683381054	BOW-BGWC-42D	Water	08/24/23 15:27	08/28/23 09:00
92683381055	BOW-AP1-FB-19	Water	08/24/23 16:50	08/28/23 09:00
92683381056	BOW-AP1-EB-05	Water	08/24/23 16:56	08/28/23 09:00
92683381057	BOW-AP1-FB-20	Water	08/25/23 13:34	08/28/23 09:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92683381001	BOW-BGWA-29	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92683381002	BOW-BGWA-48D	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92683381003	BOW-BGWC-8	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92683381004	BOW-BGWC-12	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92683381005	BOW-BGWC-14A	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92683381006	BOW-BGWA-47D	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92683381007	BOW-BGWA-6	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92683381008	BOW-BGWC-44D	EPA 6010D	DRB	1
		EPA 6020B	CW1	13

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92683381009	BOW-AP1-FB-13	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
92683381010	BOW-BGWC-50D	EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381011	BOW-AP1-FD-08	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92683381012	BOW-AP1-FB-12	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
92683381013	BOW-BGWC-7	EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
92683381014	BOW-BGWC-9	SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
92683381015	BOW-BGWC-10	EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92683381016	BOW-BGWC-16	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381017	BOW-BGWC-17	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381018	BOW-BGWC-18	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381019	BOW-BGWC-25	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381020	BOW-AP1-FD-09	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381021	BOW-AP1-FB-14	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381022	BOW-BGWC-19	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381023	BOW-BGWC-20	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92683381024	BOW-BGWC-31	EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
92683381025	BOW-BGWC-32	SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
92683381026	BOW-BGWC-34D	EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381027	BOW-BGWC-40	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92683381028	BOW-AP1-FB-15	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
92683381029	BOW-BGWA-33	EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
92683381030	BOW-BGWA-2	SM 2540C-2015	DL1	1
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92683381031	BOW-BGWC-21	EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
92683381032	BOW-BGWC-23	EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
92683381033	BOW-BGWC-22	EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
92683381034	BOW-BGWC-30	EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
92683381035	BOW-BGWC-39	EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
92683381036	BOW-BGWC-41D	EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
92683381037	BOW-BGWC-43D	EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92683381038	BOW-BGWC-36D	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92683381039	BOW-BGWC-38D	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92683381040	BOW-AP1-FD-11	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92683381041	BOW-AP1-FB-18	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92683381042	BOW-AP1-EB-04	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92683381043	BOW-BGWC-49D	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92683381044	BOW-BGWC-52	EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92683381045	BOW-AP1-FB-17	EPA 6010D	DRB	1
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92683381046	BOW-AP1-EB-03	SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
92683381047	BOW-BGWC-51	SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
92683381048	BOW-AP1-FD-10	SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
92683381049	BOW-AP1-FB-16	SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
92683381050	BOW-AP1-EB-02	SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
92683381051	BOW-BGWC-24	SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
92683381052	BOW-BGWC-35D	SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
 Pace Project No.: 92683381

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92683381053	BOW-BGWC-37D	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381054	BOW-BGWC-42D	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381055	BOW-AP1-FB-19	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381056	BOW-AP1-EB-05	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
92683381057	BOW-AP1-FB-20	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	13
		SM 2540C-2015	DL1	1
		EPA 7470A	BM	1
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville
 PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683381001	BOW-BGWA-29					
EPA 6010D	Calcium	20.9	mg/L	1.0	08/30/23 22:56	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/29/23 20:55	
EPA 6020B	Lithium	0.00086J	mg/L	0.030	08/29/23 20:55	
SM 2540C-2015	Total Dissolved Solids	101	mg/L	25.0	08/22/23 12:33	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	08/19/23 14:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	08/19/23 14:15	
EPA 300.0 Rev 2.1 1993	Sulfate	3.8	mg/L	1.0	08/19/23 14:15	
92683381002	BOW-BGWA-48D					
EPA 6010D	Calcium	37.7	mg/L	1.0	08/30/23 23:01	
EPA 6020B	Barium	0.030	mg/L	0.0050	08/29/23 21:01	
EPA 6020B	Boron	0.010J	mg/L	0.040	08/29/23 21:01	
EPA 6020B	Molybdenum	0.0040J	mg/L	0.010	08/29/23 21:01	
SM 2540C-2015	Total Dissolved Solids	267	mg/L	25.0	08/22/23 12:34	
EPA 300.0 Rev 2.1 1993	Chloride	4.3	mg/L	1.0	08/19/23 14:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.075J	mg/L	0.10	08/19/23 14:29	
EPA 300.0 Rev 2.1 1993	Sulfate	23.0	mg/L	1.0	08/19/23 14:29	
92683381003	BOW-BGWC-8					
EPA 6010D	Calcium	38.8	mg/L	1.0	08/30/23 23:06	
EPA 6020B	Barium	0.027	mg/L	0.0050	08/29/23 21:06	
EPA 6020B	Boron	0.034J	mg/L	0.040	08/29/23 21:06	
SM 2540C-2015	Total Dissolved Solids	189	mg/L	25.0	08/22/23 12:34	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	08/19/23 14:44	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	08/19/23 14:44	
EPA 300.0 Rev 2.1 1993	Sulfate	21.0	mg/L	1.0	08/19/23 14:44	
92683381004	BOW-BGWC-12					
EPA 6010D	Calcium	178	mg/L	5.0	09/02/23 15:09	
EPA 6020B	Barium	0.049	mg/L	0.0050	08/29/23 21:12	
EPA 6020B	Boron	1.4	mg/L	0.040	08/29/23 21:12	
EPA 6020B	Lithium	0.0016J	mg/L	0.030	08/29/23 21:12	
SM 2540C-2015	Total Dissolved Solids	1050	mg/L	25.0	08/22/23 12:36	
EPA 300.0 Rev 2.1 1993	Chloride	13.7	mg/L	1.0	08/19/23 14:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.089J	mg/L	0.10	08/19/23 14:58	
EPA 300.0 Rev 2.1 1993	Sulfate	398	mg/L	8.0	08/20/23 04:16	
92683381005	BOW-BGWC-14A					
EPA 6010D	Calcium	196	mg/L	5.0	09/02/23 15:14	M1
EPA 6020B	Barium	0.041	mg/L	0.0050	08/29/23 21:18	
EPA 6020B	Boron	1.7	mg/L	0.040	08/29/23 21:18	
EPA 6020B	Cadmium	0.00057	mg/L	0.00050	08/29/23 21:18	
EPA 6020B	Cobalt	0.0017J	mg/L	0.0050	08/29/23 21:18	
EPA 6020B	Lithium	0.0016J	mg/L	0.030	08/29/23 21:18	
EPA 6020B	Molybdenum	0.0016J	mg/L	0.010	08/29/23 21:18	
EPA 6020B	Thallium	0.00059J	mg/L	0.0010	08/29/23 21:18	
SM 2540C-2015	Total Dissolved Solids	1090	mg/L	25.0	08/22/23 12:36	
EPA 300.0 Rev 2.1 1993	Chloride	18.2	mg/L	1.0	08/19/23 15:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	08/19/23 15:13	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683381005	BOW-BGWC-14A					
EPA 300.0 Rev 2.1 1993	Sulfate	486	mg/L	10.0	08/20/23 04:30	
92683381006	BOW-BGWA-47D					
EPA 6010D	Calcium	102	mg/L	1.0	08/30/23 23:48	
EPA 6020B	Barium	0.055	mg/L	0.0050	08/29/23 21:24	
EPA 6020B	Boron	0.034J	mg/L	0.040	08/29/23 21:24	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	08/29/23 21:24	
SM 2540C-2015	Total Dissolved Solids	399	mg/L	25.0	08/22/23 12:25	
EPA 300.0 Rev 2.1 1993	Chloride	4.9	mg/L	1.0	08/19/23 18:36	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	08/19/23 18:36	
EPA 300.0 Rev 2.1 1993	Sulfate	65.7	mg/L	1.0	08/19/23 18:36	
92683381007	BOW-BGWA-6					
EPA 6010D	Calcium	61.4	mg/L	1.0	08/30/23 23:53	
EPA 6020B	Barium	0.014	mg/L	0.0050	08/29/23 21:30	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/29/23 21:30	
SM 2540C-2015	Total Dissolved Solids	309	mg/L	25.0	08/22/23 12:27	
EPA 300.0 Rev 2.1 1993	Chloride	8.0	mg/L	1.0	08/19/23 18:51	
EPA 300.0 Rev 2.1 1993	Sulfate	18.2	mg/L	1.0	08/19/23 18:51	
92683381008	BOW-BGWC-44D					
EPA 6010D	Calcium	25.3	mg/L	1.0	08/30/23 23:58	
EPA 6020B	Arsenic	0.0039J	mg/L	0.0050	08/29/23 21:48	
EPA 6020B	Barium	0.033	mg/L	0.0050	08/29/23 21:48	
EPA 6020B	Boron	0.030J	mg/L	0.040	08/29/23 21:48	
EPA 6020B	Lithium	0.0063J	mg/L	0.030	08/29/23 21:48	
EPA 6020B	Molybdenum	0.0026J	mg/L	0.010	08/29/23 21:48	
SM 2540C-2015	Total Dissolved Solids	348	mg/L	25.0	08/22/23 12:29	
EPA 300.0 Rev 2.1 1993	Chloride	9.3	mg/L	1.0	08/19/23 19:05	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16	mg/L	0.10	08/19/23 19:05	
EPA 300.0 Rev 2.1 1993	Sulfate	11.4	mg/L	1.0	08/19/23 19:05	
92683381010	BOW-BGWC-50D					
EPA 6010D	Calcium	68.8	mg/L	1.0	09/01/23 20:54	
EPA 6020B	Barium	0.062	mg/L	0.0050	08/29/23 22:06	
EPA 6020B	Boron	0.040J	mg/L	0.040	08/29/23 22:06	
EPA 6020B	Cobalt	0.00040J	mg/L	0.0050	08/29/23 22:06	
EPA 6020B	Lithium	0.0015J	mg/L	0.030	08/29/23 22:06	
EPA 6020B	Molybdenum	0.0041J	mg/L	0.010	08/29/23 22:06	
SM 2540C-2015	Total Dissolved Solids	623	mg/L	25.0	08/22/23 12:30	
EPA 300.0 Rev 2.1 1993	Chloride	23.8	mg/L	1.0	08/19/23 19:34	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/19/23 19:34	M1
EPA 300.0 Rev 2.1 1993	Sulfate	218	mg/L	5.0	08/20/23 04:44	M1
92683381011	BOW-AP1-FD-08					
EPA 6010D	Calcium	65.7	mg/L	1.0	09/01/23 20:59	
EPA 6020B	Barium	0.061	mg/L	0.0050	08/29/23 22:12	
EPA 6020B	Boron	0.041	mg/L	0.040	08/29/23 22:12	
EPA 6020B	Cobalt	0.00040J	mg/L	0.0050	08/29/23 22:12	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92683381011	BOW-AP1-FD-08					
EPA 6020B	Lithium	0.0014J	mg/L	0.030	08/29/23 22:12	
EPA 6020B	Molybdenum	0.0039J	mg/L	0.010	08/29/23 22:12	
SM 2540C-2015	Total Dissolved Solids	614	mg/L	25.0	08/22/23 12:30	
EPA 300.0 Rev 2.1 1993	Chloride	22.9	mg/L	1.0	08/19/23 20:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	08/19/23 20:18	
EPA 300.0 Rev 2.1 1993	Sulfate	202	mg/L	4.0	08/20/23 05:27	
92683381013	BOW-BGWC-7					
EPA 6010D	Calcium	125	mg/L	1.0	09/01/23 21:20	
EPA 6020B	Arsenic	0.0041J	mg/L	0.0050	09/06/23 14:56	
EPA 6020B	Barium	0.027	mg/L	0.0050	09/06/23 14:56	
EPA 6020B	Boron	1.0	mg/L	0.040	09/06/23 14:56	
EPA 6020B	Cobalt	0.00066J	mg/L	0.0050	09/06/23 14:56	
EPA 6020B	Lithium	0.0059J	mg/L	0.030	09/06/23 14:56	
EPA 6020B	Molybdenum	0.011	mg/L	0.010	09/06/23 14:56	
EPA 6020B	Thallium	0.00074J	mg/L	0.0010	09/06/23 14:56	
SM 2540C-2015	Total Dissolved Solids	702	mg/L	25.0	08/24/23 14:11	
EPA 300.0 Rev 2.1 1993	Chloride	8.0	mg/L	1.0	08/23/23 05:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/23/23 05:43	
EPA 300.0 Rev 2.1 1993	Sulfate	207	mg/L	4.0	08/23/23 10:22	
92683381014	BOW-BGWC-9					
EPA 6010D	Calcium	66.9	mg/L	1.0	09/01/23 21:25	
EPA 6020B	Barium	0.030	mg/L	0.0050	09/06/23 15:12	
EPA 6020B	Boron	0.56	mg/L	0.040	09/06/23 15:12	
EPA 6020B	Lithium	0.0015J	mg/L	0.030	09/06/23 15:12	
EPA 6020B	Molybdenum	0.0039J	mg/L	0.010	09/06/23 15:12	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	09/06/23 15:12	
EPA 6020B	Thallium	0.00020J	mg/L	0.0010	09/06/23 15:12	
SM 2540C-2015	Total Dissolved Solids	393	mg/L	25.0	08/24/23 14:12	
EPA 300.0 Rev 2.1 1993	Chloride	10.7	mg/L	1.0	08/23/23 05:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.091J	mg/L	0.10	08/23/23 05:58	
EPA 300.0 Rev 2.1 1993	Sulfate	87.3	mg/L	1.0	08/23/23 05:58	
92683381015	BOW-BGWC-10					
EPA 6010D	Calcium	62.2	mg/L	1.0	09/01/23 21:31	
EPA 6020B	Arsenic	0.0062	mg/L	0.0050	09/06/23 15:17	
EPA 6020B	Barium	0.039	mg/L	0.0050	09/06/23 15:17	
EPA 6020B	Boron	0.57	mg/L	0.040	09/06/23 15:17	
EPA 6020B	Cobalt	0.00043J	mg/L	0.0050	09/06/23 15:17	
EPA 6020B	Molybdenum	0.0025J	mg/L	0.010	09/06/23 15:17	
SM 2540C-2015	Total Dissolved Solids	398	mg/L	25.0	08/24/23 14:12	
EPA 300.0 Rev 2.1 1993	Chloride	29.2	mg/L	1.0	08/23/23 06:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	08/23/23 06:13	
EPA 300.0 Rev 2.1 1993	Sulfate	95.0	mg/L	2.0	08/23/23 10:37	
92683381016	BOW-BGWC-16					
EPA 6010D	Calcium	187	mg/L	5.0	09/02/23 15:40	
EPA 6020B	Barium	0.034	mg/L	0.0050	09/06/23 15:21	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683381016	BOW-BGWC-16					
EPA 6020B	Beryllium	0.00017J	mg/L	0.00050	09/06/23 15:21	
EPA 6020B	Boron	1.9	mg/L	0.040	09/06/23 15:21	
EPA 6020B	Cadmium	0.0020	mg/L	0.00050	09/06/23 15:21	
EPA 6020B	Cobalt	0.011	mg/L	0.0050	09/06/23 15:21	
EPA 6020B	Lead	0.00041J	mg/L	0.0010	09/06/23 15:21	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	09/06/23 15:21	
EPA 6020B	Thallium	0.00025J	mg/L	0.0010	09/06/23 15:21	
SM 2540C-2015	Total Dissolved Solids	977	mg/L	25.0	08/24/23 14:12	
EPA 300.0 Rev 2.1 1993	Chloride	18.2	mg/L	1.0	08/23/23 06:28	
EPA 300.0 Rev 2.1 1993	Fluoride	0.074J	mg/L	0.10	08/23/23 06:28	
EPA 300.0 Rev 2.1 1993	Sulfate	453	mg/L	9.0	08/23/23 10:52	
92683381017	BOW-BGWC-17					
EPA 6010D	Calcium	75.4	mg/L	1.0	09/01/23 21:41	
EPA 6020B	Barium	0.015	mg/L	0.0050	09/06/23 15:25	
EPA 6020B	Beryllium	0.000057J	mg/L	0.00050	09/06/23 15:25	
EPA 6020B	Boron	1.3	mg/L	0.040	09/06/23 15:25	
EPA 6020B	Cadmium	0.00028J	mg/L	0.00050	09/06/23 15:25	
SM 2540C-2015	Total Dissolved Solids	438	mg/L	25.0	08/24/23 14:12	
EPA 7470A	Mercury	0.00031	mg/L	0.00020	09/12/23 11:06	
EPA 300.0 Rev 2.1 1993	Chloride	39.5	mg/L	1.0	08/23/23 07:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	08/23/23 07:12	
EPA 300.0 Rev 2.1 1993	Sulfate	116	mg/L	2.0	08/23/23 11:07	
92683381018	BOW-BGWC-18					
EPA 6010D	Calcium	57.0	mg/L	1.0	09/01/23 21:46	
EPA 6020B	Barium	0.033	mg/L	0.0050	09/06/23 16:06	
EPA 6020B	Boron	0.64	mg/L	0.040	09/06/23 16:06	
SM 2540C-2015	Total Dissolved Solids	303	mg/L	25.0	08/24/23 14:13	
EPA 300.0 Rev 2.1 1993	Chloride	12.6	mg/L	1.0	08/23/23 07:27	
EPA 300.0 Rev 2.1 1993	Fluoride	0.056J	mg/L	0.10	08/23/23 07:27	
EPA 300.0 Rev 2.1 1993	Sulfate	60.8	mg/L	1.0	08/23/23 07:27	
92683381019	BOW-BGWC-25					
EPA 6010D	Calcium	48.1	mg/L	1.0	09/01/23 21:51	
EPA 6020B	Barium	0.013	mg/L	0.0050	09/06/23 16:10	
EPA 6020B	Boron	0.075	mg/L	0.040	09/06/23 16:10	
SM 2540C-2015	Total Dissolved Solids	250	mg/L	25.0	08/24/23 14:13	
EPA 300.0 Rev 2.1 1993	Chloride	11.4	mg/L	1.0	08/23/23 07:42	
EPA 300.0 Rev 2.1 1993	Sulfate	20.2	mg/L	1.0	08/23/23 07:42	
92683381020	BOW-AP1-FD-09					
EPA 6010D	Calcium	74.6	mg/L	1.0	09/01/23 21:56	
EPA 6020B	Barium	0.014	mg/L	0.0050	09/06/23 16:14	
EPA 6020B	Boron	1.2	mg/L	0.040	09/06/23 16:14	
EPA 6020B	Cadmium	0.00034J	mg/L	0.00050	09/06/23 16:14	
SM 2540C-2015	Total Dissolved Solids	453	mg/L	25.0	08/24/23 14:13	
EPA 7470A	Mercury	0.00029	mg/L	0.00020	09/12/23 11:18	
EPA 300.0 Rev 2.1 1993	Chloride	39.0	mg/L	1.0	08/23/23 21:23	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683381020	BOW-AP1-FD-09					
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/23/23 21:23	
EPA 300.0 Rev 2.1 1993	Sulfate	113	mg/L	2.0	08/24/23 01:50	
92683381021	BOW-AP1-FB-14					
EPA 6020B	Boron	0.015J	mg/L	0.040	09/06/23 16:18	
92683381022	BOW-BGWC-19					
EPA 6010D	Calcium	56.5	mg/L	1.0	09/01/23 22:07	
EPA 6020B	Barium	0.034	mg/L	0.0050	09/06/23 16:22	
EPA 6020B	Boron	0.39	mg/L	0.040	09/06/23 16:22	
SM 2540C-2015	Total Dissolved Solids	318	mg/L	25.0	08/24/23 14:14	
EPA 300.0 Rev 2.1 1993	Chloride	5.9	mg/L	1.0	08/23/23 21:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	08/23/23 21:52	
EPA 300.0 Rev 2.1 1993	Sulfate	66.0	mg/L	1.0	08/23/23 21:52	
92683381023	BOW-BGWC-20					
EPA 6010D	Calcium	309	mg/L	5.0	09/02/23 15:45	
EPA 6020B	Arsenic	0.0045J	mg/L	0.0050	09/06/23 16:26	
EPA 6020B	Barium	0.035	mg/L	0.0050	09/06/23 16:26	
EPA 6020B	Boron	4.8	mg/L	0.040	09/06/23 16:26	
EPA 6020B	Lithium	0.078	mg/L	0.030	09/06/23 16:26	
EPA 6020B	Molybdenum	0.054	mg/L	0.010	09/06/23 16:26	
SM 2540C-2015	Total Dissolved Solids	1490	mg/L	25.0	08/24/23 14:14	
EPA 300.0 Rev 2.1 1993	Chloride	145	mg/L	13.0	08/24/23 02:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	08/23/23 22:07	
EPA 300.0 Rev 2.1 1993	Sulfate	612	mg/L	13.0	08/24/23 02:04	
92683381024	BOW-BGWC-31					
EPA 6010D	Calcium	74.5	mg/L	1.0	09/01/23 22:28	
EPA 6020B	Arsenic	0.0054	mg/L	0.0050	09/06/23 16:30	
EPA 6020B	Barium	0.041	mg/L	0.0050	09/06/23 16:30	
EPA 6020B	Boron	0.87	mg/L	0.040	09/06/23 16:30	
EPA 6020B	Lead	0.00024J	mg/L	0.0010	09/06/23 16:30	
SM 2540C-2015	Total Dissolved Solids	454	mg/L	25.0	08/24/23 14:15	
EPA 300.0 Rev 2.1 1993	Chloride	30.3	mg/L	1.0	08/23/23 22:21	
EPA 300.0 Rev 2.1 1993	Sulfate	119	mg/L	3.0	08/24/23 02:18	
92683381025	BOW-BGWC-32					
EPA 6010D	Calcium	172	mg/L	5.0	09/02/23 15:50	
EPA 6020B	Arsenic	0.0039J	mg/L	0.0050	09/06/23 16:35	
EPA 6020B	Barium	0.079	mg/L	0.0050	09/06/23 16:35	
EPA 6020B	Boron	2.1	mg/L	0.040	09/06/23 16:35	
EPA 6020B	Cobalt	0.0010J	mg/L	0.0050	09/06/23 16:35	
EPA 6020B	Molybdenum	0.0041J	mg/L	0.010	09/06/23 16:35	
SM 2540C-2015	Total Dissolved Solids	1080	mg/L	25.0	08/24/23 14:15	
EPA 300.0 Rev 2.1 1993	Chloride	193	mg/L	4.0	08/24/23 02:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/23/23 22:36	
EPA 300.0 Rev 2.1 1993	Sulfate	189	mg/L	4.0	08/24/23 02:32	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92683381026	BOW-BGWC-34D					
EPA 6010D	Calcium	113	mg/L	1.0	09/01/23 22:38	
EPA 6020B	Arsenic	0.016	mg/L	0.0050	09/06/23 16:39	
EPA 6020B	Barium	0.052	mg/L	0.0050	09/06/23 16:39	
EPA 6020B	Boron	0.47	mg/L	0.040	09/06/23 16:39	
EPA 6020B	Cobalt	0.0014J	mg/L	0.0050	09/06/23 16:39	
EPA 6020B	Molybdenum	0.0011J	mg/L	0.010	09/06/23 16:39	
SM 2540C-2015	Total Dissolved Solids	560	mg/L	25.0	08/25/23 11:27	
EPA 300.0 Rev 2.1 1993	Chloride	43.1	mg/L	1.0	08/23/23 22:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	08/23/23 22:51	
EPA 300.0 Rev 2.1 1993	Sulfate	143	mg/L	3.0	08/24/23 03:16	
92683381027	BOW-BGWC-40					
EPA 6010D	Calcium	114	mg/L	1.0	09/01/23 22:44	
EPA 6020B	Barium	0.038	mg/L	0.0050	09/06/23 16:43	
EPA 6020B	Boron	2.4	mg/L	0.040	09/06/23 16:43	
EPA 6020B	Selenium	0.0082	mg/L	0.0050	09/06/23 16:43	
SM 2540C-2015	Total Dissolved Solids	672	mg/L	25.0	08/25/23 11:27	
EPA 300.0 Rev 2.1 1993	Chloride	94.2	mg/L	2.0	08/24/23 03:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.089J	mg/L	0.10	08/23/23 23:05	
EPA 300.0 Rev 2.1 1993	Sulfate	110	mg/L	2.0	08/24/23 03:31	
92683381029	BOW-BGWA-33					
EPA 6010D	Calcium	85.0	mg/L	1.0	09/02/23 17:45	M1
EPA 6020B	Arsenic	0.0048J	mg/L	0.0050	09/06/23 17:25	
EPA 6020B	Barium	0.050	mg/L	0.0050	09/06/23 17:25	
EPA 6020B	Cobalt	0.00059J	mg/L	0.0050	09/06/23 17:25	
EPA 6020B	Molybdenum	0.0085J	mg/L	0.010	09/06/23 17:25	
SM 2540C-2015	Total Dissolved Solids	351	mg/L	25.0	08/25/23 11:33	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	08/25/23 21:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.056J	mg/L	0.10	08/25/23 21:20	
EPA 300.0 Rev 2.1 1993	Sulfate	20.5	mg/L	1.0	08/25/23 21:20	
92683381030	BOW-BGWA-2					
EPA 6010D	Calcium	49.5	mg/L	1.0	09/02/23 18:05	
EPA 6020B	Barium	0.11	mg/L	0.0050	09/06/23 17:29	
SM 2540C-2015	Total Dissolved Solids	243	mg/L	25.0	08/25/23 11:28	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	08/25/23 21:35	
EPA 300.0 Rev 2.1 1993	Sulfate	14.4	mg/L	1.0	08/25/23 21:35	
92683381031	BOW-BGWC-21					
EPA 6010D	Calcium	43.9	mg/L	1.0	09/02/23 18:10	
EPA 6020B	Barium	0.036	mg/L	0.0050	09/06/23 17:34	
EPA 6020B	Boron	0.026J	mg/L	0.040	09/06/23 17:34	
EPA 6020B	Cobalt	0.0040J	mg/L	0.0050	09/06/23 17:34	
EPA 6020B	Molybdenum	0.0027J	mg/L	0.010	09/06/23 17:34	
SM 2540C-2015	Total Dissolved Solids	268	mg/L	25.0	08/25/23 11:33	
EPA 300.0 Rev 2.1 1993	Chloride	5.0	mg/L	1.0	08/25/23 21:49	
EPA 300.0 Rev 2.1 1993	Sulfate	46.4	mg/L	1.0	08/25/23 21:49	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683381032	BOW-BGWC-23					
EPA 6010D	Calcium	332	mg/L	5.0	09/06/23 16:29	
EPA 6020B	Arsenic	0.0062	mg/L	0.0050	09/06/23 17:42	
EPA 6020B	Barium	0.060	mg/L	0.0050	09/06/23 17:42	
EPA 6020B	Boron	8.7	mg/L	0.040	09/06/23 17:42	
EPA 6020B	Lithium	0.016J	mg/L	0.030	09/06/23 17:42	
EPA 6020B	Molybdenum	0.0060J	mg/L	0.010	09/06/23 17:42	
SM 2540C-2015	Total Dissolved Solids	1620	mg/L	25.0	08/30/23 13:39	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	09/12/23 09:59	
EPA 300.0 Rev 2.1 1993	Chloride	439	mg/L	10.0	08/26/23 07:16	M1
EPA 300.0 Rev 2.1 1993	Sulfate	320	mg/L	10.0	08/26/23 07:16	M1
92683381033	BOW-BGWC-22					
EPA 6010D	Calcium	793	mg/L	5.0	09/06/23 16:34	
EPA 6020B	Arsenic	0.0095	mg/L	0.0050	09/07/23 13:54	
EPA 6020B	Barium	0.068	mg/L	0.0050	09/07/23 13:54	
EPA 6020B	Beryllium	0.00014J	mg/L	0.00050	09/07/23 13:54	
EPA 6020B	Boron	19.6	mg/L	2.0	09/08/23 16:33	
EPA 6020B	Cadmium	0.00091	mg/L	0.00050	09/07/23 13:54	
EPA 6020B	Cobalt	0.030	mg/L	0.0050	09/07/23 13:54	
EPA 6020B	Lead	0.00014J	mg/L	0.0010	09/07/23 13:54	
EPA 6020B	Lithium	0.021J	mg/L	0.030	09/07/23 13:54	
EPA 6020B	Molybdenum	0.036	mg/L	0.010	09/07/23 13:54	
EPA 6020B	Selenium	0.0017J	mg/L	0.0050	09/07/23 13:54	
EPA 6020B	Thallium	0.0013	mg/L	0.0010	09/07/23 13:54	
SM 2540C-2015	Total Dissolved Solids	3940	mg/L	25.0	08/25/23 11:30	1g
EPA 300.0 Rev 2.1 1993	Chloride	1020	mg/L	15.0	08/26/23 09:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.23	mg/L	0.10	08/25/23 22:47	
EPA 300.0 Rev 2.1 1993	Sulfate	748	mg/L	15.0	08/26/23 09:57	
92683381034	BOW-BGWC-30					
EPA 6010D	Calcium	98.8	mg/L	1.0	09/02/23 18:37	
EPA 6020B	Barium	0.051	mg/L	0.0050	09/07/23 13:58	
EPA 6020B	Boron	2.3	mg/L	0.20	09/08/23 17:06	
EPA 6020B	Lead	0.00017J	mg/L	0.0010	09/07/23 13:58	
EPA 6020B	Lithium	0.0012J	mg/L	0.030	09/07/23 13:58	
EPA 6020B	Molybdenum	0.0048J	mg/L	0.010	09/07/23 13:58	
EPA 6020B	Selenium	0.0065	mg/L	0.0050	09/07/23 13:58	
SM 2540C-2015	Total Dissolved Solids	611	mg/L	25.0	08/25/23 11:28	
EPA 300.0 Rev 2.1 1993	Chloride	97.6	mg/L	2.0	08/26/23 08:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.10	08/25/23 23:01	
EPA 300.0 Rev 2.1 1993	Sulfate	54.0	mg/L	1.0	08/25/23 23:01	
92683381035	BOW-BGWC-39					
EPA 6010D	Calcium	495	mg/L	5.0	09/06/23 16:39	
EPA 6020B	Arsenic	0.010	mg/L	0.0050	09/07/23 14:02	
EPA 6020B	Barium	0.072	mg/L	0.0050	09/07/23 14:02	
EPA 6020B	Boron	10.5	mg/L	2.0	09/08/23 16:37	M1
EPA 6020B	Cadmium	0.00017J	mg/L	0.00050	09/07/23 14:02	
EPA 6020B	Lithium	0.0034J	mg/L	0.030	09/07/23 14:02	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92683381035	BOW-BGWC-39					
EPA 6020B	Molybdenum	0.0026J	mg/L	0.010	09/07/23 14:02	
SM 2540C-2015	Total Dissolved Solids	1910	mg/L	25.0	08/30/23 13:41	
EPA 300.0 Rev 2.1 1993	Chloride	551	mg/L	12.0	08/26/23 08:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/25/23 23:16	
EPA 300.0 Rev 2.1 1993	Sulfate	447	mg/L	12.0	08/26/23 08:30	
92683381036	BOW-BGWC-41D					
EPA 6010D	Calcium	220	mg/L	1.0	09/02/23 18:47	
EPA 6020B	Arsenic	0.011	mg/L	0.0050	09/07/23 14:19	
EPA 6020B	Barium	0.065	mg/L	0.0050	09/07/23 14:19	
EPA 6020B	Boron	1.4	mg/L	0.20	09/08/23 17:10	
EPA 6020B	Cobalt	0.00049J	mg/L	0.0050	09/07/23 14:19	
EPA 6020B	Molybdenum	0.0092J	mg/L	0.010	09/07/23 14:19	
SM 2540C-2015	Total Dissolved Solids	1300	mg/L	25.0	08/30/23 13:42	
EPA 7470A	Mercury	0.00018J	mg/L	0.00020	09/12/23 10:12	
EPA 300.0 Rev 2.1 1993	Chloride	353	mg/L	8.0	08/26/23 08:45	
EPA 300.0 Rev 2.1 1993	Sulfate	299	mg/L	8.0	08/26/23 08:45	
92683381037	BOW-BGWC-43D					
EPA 6010D	Calcium	314	mg/L	5.0	09/06/23 16:45	
EPA 6020B	Arsenic	0.0087	mg/L	0.0050	09/07/23 14:23	
EPA 6020B	Barium	0.062	mg/L	0.0050	09/07/23 14:23	
EPA 6020B	Boron	12.0	mg/L	2.0	09/08/23 16:50	
EPA 6020B	Cadmium	0.00029J	mg/L	0.00050	09/07/23 14:23	
EPA 6020B	Cobalt	0.0031J	mg/L	0.0050	09/07/23 14:23	
EPA 6020B	Lithium	0.022J	mg/L	0.030	09/07/23 14:23	
EPA 6020B	Molybdenum	0.18	mg/L	0.010	09/07/23 14:23	
EPA 6020B	Thallium	0.0021	mg/L	0.0010	09/07/23 14:23	
SM 2540C-2015	Total Dissolved Solids	1600	mg/L	25.0	08/30/23 13:43	
EPA 7470A	Mercury	0.00015J	mg/L	0.00020	09/12/23 10:15	
EPA 300.0 Rev 2.1 1993	Chloride	396	mg/L	9.0	08/26/23 08:59	
EPA 300.0 Rev 2.1 1993	Fluoride	1.1	mg/L	0.10	08/26/23 00:28	
EPA 300.0 Rev 2.1 1993	Sulfate	283	mg/L	9.0	08/26/23 08:59	
92683381038	BOW-BGWC-36D					
EPA 6010D	Calcium	159	mg/L	1.0	09/02/23 18:58	
EPA 6020B	Arsenic	0.0062	mg/L	0.0050	09/07/23 15:31	
EPA 6020B	Barium	0.060	mg/L	0.0050	09/07/23 15:31	
EPA 6020B	Boron	4.2	mg/L	0.40	09/08/23 17:59	
EPA 6020B	Lithium	0.0012J	mg/L	0.030	09/07/23 15:31	
EPA 6020B	Molybdenum	0.010	mg/L	0.010	09/07/23 15:31	
EPA 6020B	Selenium	0.014	mg/L	0.0050	09/07/23 15:31	
SM 2540C-2015	Total Dissolved Solids	975	mg/L	25.0	08/25/23 11:28	
EPA 7470A	Mercury	0.00016J	mg/L	0.00020	09/12/23 10:17	
EPA 300.0 Rev 2.1 1993	Chloride	225	mg/L	5.0	08/26/23 10:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/26/23 00:43	
EPA 300.0 Rev 2.1 1993	Sulfate	117	mg/L	5.0	08/26/23 10:12	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683381039	BOW-BGWC-38D					
EPA 6010D	Calcium	110	mg/L	1.0	09/02/23 19:03	
EPA 6020B	Arsenic	0.0051	mg/L	0.0050	09/07/23 15:35	
EPA 6020B	Barium	0.10	mg/L	0.0050	09/07/23 15:35	
EPA 6020B	Boron	4.1	mg/L	0.20	09/08/23 18:03	
EPA 6020B	Cobalt	0.0017J	mg/L	0.0050	09/07/23 15:35	
EPA 6020B	Lead	0.00014J	mg/L	0.0010	09/07/23 15:35	
EPA 6020B	Molybdenum	0.040	mg/L	0.010	09/07/23 15:35	
EPA 6020B	Selenium	0.0019J	mg/L	0.0050	09/07/23 15:35	
SM 2540C-2015	Total Dissolved Solids	774	mg/L	25.0	08/25/23 11:29	
EPA 7470A	Mercury	0.00057	mg/L	0.00020	09/12/23 10:19	
EPA 300.0 Rev 2.1 1993	Chloride	153	mg/L	3.0	08/26/23 10:27	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	08/26/23 00:57	
EPA 300.0 Rev 2.1 1993	Sulfate	96.3	mg/L	1.0	08/26/23 00:57	
92683381040	BOW-AP1-FD-11					
EPA 6010D	Calcium	323	mg/L	5.0	09/06/23 16:50	
EPA 6020B	Arsenic	0.0085	mg/L	0.0050	09/07/23 15:39	
EPA 6020B	Barium	0.065	mg/L	0.0050	09/07/23 15:39	
EPA 6020B	Boron	12.6	mg/L	2.0	09/08/23 16:54	
EPA 6020B	Cadmium	0.00036J	mg/L	0.00050	09/07/23 15:39	
EPA 6020B	Cobalt	0.0033J	mg/L	0.0050	09/07/23 15:39	
EPA 6020B	Lithium	0.023J	mg/L	0.030	09/07/23 15:39	
EPA 6020B	Molybdenum	0.18	mg/L	0.010	09/07/23 15:39	
EPA 6020B	Thallium	0.0022	mg/L	0.0010	09/07/23 15:39	
SM 2540C-2015	Total Dissolved Solids	1410	mg/L	25.0	08/30/23 13:44	
EPA 300.0 Rev 2.1 1993	Chloride	397	mg/L	9.0	08/26/23 10:42	
EPA 300.0 Rev 2.1 1993	Fluoride	1.1	mg/L	0.10	08/26/23 01:12	
EPA 300.0 Rev 2.1 1993	Sulfate	283	mg/L	9.0	08/26/23 10:42	
92683381043	BOW-BGWC-49D					
EPA 6010D	Calcium	219	mg/L	1.0	09/02/23 19:24	
EPA 6020B	Arsenic	0.0097	mg/L	0.0050	09/07/23 15:51	
EPA 6020B	Barium	0.074	mg/L	0.0050	09/07/23 15:51	
EPA 6020B	Boron	8.0	mg/L	0.20	09/08/23 18:07	
EPA 6020B	Cobalt	0.00093J	mg/L	0.0050	09/07/23 15:51	
EPA 6020B	Lithium	0.0065J	mg/L	0.15	09/08/23 18:07	D3
EPA 6020B	Molybdenum	0.0048J	mg/L	0.010	09/07/23 15:51	
SM 2540C-2015	Total Dissolved Solids	1600	mg/L	25.0	08/25/23 11:30	
EPA 300.0 Rev 2.1 1993	Chloride	421	mg/L	9.0	08/26/23 10:56	
EPA 300.0 Rev 2.1 1993	Sulfate	214	mg/L	9.0	08/26/23 10:56	
92683381044	BOW-BGWC-52					
EPA 6010D	Calcium	85.7	mg/L	1.0	09/02/23 19:39	
EPA 6020B	Arsenic	0.0050	mg/L	0.0050	09/07/23 15:56	
EPA 6020B	Barium	0.029	mg/L	0.0050	09/07/23 15:56	
EPA 6020B	Boron	1.9	mg/L	0.20	09/08/23 18:11	
EPA 6020B	Cobalt	0.0035J	mg/L	0.0050	09/07/23 15:56	
EPA 6020B	Molybdenum	0.0039J	mg/L	0.010	09/07/23 15:56	
EPA 6020B	Selenium	0.0039J	mg/L	0.0050	09/07/23 15:56	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683381044	BOW-BGWC-52					
SM 2540C-2015	Total Dissolved Solids	468	mg/L	25.0	08/25/23 11:31	
EPA 300.0 Rev 2.1 1993	Chloride	64.6	mg/L	1.0	08/26/23 03:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.098J	mg/L	0.10	08/26/23 03:56	
EPA 300.0 Rev 2.1 1993	Sulfate	92.8	mg/L	1.0	08/26/23 03:56	
92683381046	BOW-AP1-EB-03					
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	09/12/23 10:40	
92683381047	BOW-BGWC-51					
EPA 6010D	Calcium	123	mg/L	1.0	09/02/23 19:55	
EPA 6020B	Arsenic	0.0057	mg/L	0.0050	09/07/23 16:08	
EPA 6020B	Barium	0.0094	mg/L	0.0050	09/07/23 16:08	
EPA 6020B	Boron	3.1	mg/L	0.40	09/08/23 18:15	
EPA 6020B	Selenium	0.0097	mg/L	0.0050	09/07/23 16:08	
SM 2540C-2015	Total Dissolved Solids	704	mg/L	25.0	08/25/23 11:29	
EPA 7470A	Mercury	0.00016J	mg/L	0.00020	09/12/23 10:42	
EPA 300.0 Rev 2.1 1993	Chloride	108	mg/L	2.0	08/26/23 11:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/26/23 04:41	
EPA 300.0 Rev 2.1 1993	Sulfate	95.0	mg/L	2.0	08/26/23 11:13	
92683381048	BOW-AP1-FD-10					
EPA 6010D	Calcium	157	mg/L	1.0	09/02/23 20:00	
EPA 6020B	Arsenic	0.0069	mg/L	0.0050	09/07/23 16:23	
EPA 6020B	Barium	0.059	mg/L	0.0050	09/07/23 16:23	
EPA 6020B	Boron	4.3	mg/L	0.40	09/08/23 18:19	
EPA 6020B	Lithium	0.0012J	mg/L	0.030	09/07/23 16:23	
EPA 6020B	Molybdenum	0.0099J	mg/L	0.010	09/07/23 16:23	
EPA 6020B	Selenium	0.012	mg/L	0.0050	09/07/23 16:23	
SM 2540C-2015	Total Dissolved Solids	1260	mg/L	25.0	08/25/23 11:29	
EPA 7470A	Mercury	0.00012J	mg/L	0.00020	09/12/23 10:44	
EPA 300.0 Rev 2.1 1993	Chloride	227	mg/L	5.0	08/26/23 11:28	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10	mg/L	0.10	08/26/23 04:56	
EPA 300.0 Rev 2.1 1993	Sulfate	118	mg/L	5.0	08/26/23 11:28	
92683381050	BOW-AP1-EB-02					
EPA 6020B	Boron	0.031J	mg/L	0.040	09/07/23 16:31	
92683381051	BOW-BGWC-24					
EPA 6010D	Calcium	486	mg/L	5.0	09/06/23 18:49	
EPA 6020B	Antimony	0.0021J	mg/L	0.0030	09/07/23 16:35	
EPA 6020B	Arsenic	0.0081	mg/L	0.0050	09/07/23 16:35	
EPA 6020B	Barium	0.045	mg/L	0.0050	09/07/23 16:35	
EPA 6020B	Beryllium	0.00024J	mg/L	0.00050	09/07/23 16:35	
EPA 6020B	Boron	16.9	mg/L	2.0	09/08/23 16:58	
EPA 6020B	Cadmium	0.0033	mg/L	0.00050	09/07/23 16:35	
EPA 6020B	Cobalt	0.0023J	mg/L	0.0050	09/07/23 16:35	
EPA 6020B	Lithium	0.0058J	mg/L	0.030	09/07/23 16:35	
EPA 6020B	Selenium	0.0049J	mg/L	0.0050	09/07/23 16:35	
EPA 6020B	Thallium	0.00028J	mg/L	0.0010	09/07/23 16:35	

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92683381

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92683381051	BOW-BGWC-24					
SM 2540C-2015	Total Dissolved Solids	2120	mg/L	25.0	08/30/23 13:46	1g
EPA 7470A	Mercury	0.0023	mg/L	0.00020	09/12/23 11:58	
EPA 300.0 Rev 2.1 1993	Chloride	641	mg/L	13.0	08/29/23 05:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	08/29/23 02:25	
EPA 300.0 Rev 2.1 1993	Sulfate	337	mg/L	13.0	08/29/23 05:22	
92683381052	BOW-BGWC-35D					
EPA 6010D	Calcium	584	mg/L	5.0	09/06/23 18:54	
EPA 6020B	Arsenic	0.016	mg/L	0.0050	09/07/23 16:43	
EPA 6020B	Barium	0.056	mg/L	0.0050	09/07/23 16:43	
EPA 6020B	Boron	12.3	mg/L	2.0	09/08/23 17:02	
EPA 6020B	Cobalt	0.0017J	mg/L	0.0050	09/07/23 16:43	
EPA 6020B	Lithium	0.023J	mg/L	0.030	09/07/23 16:43	
EPA 6020B	Molybdenum	0.034	mg/L	0.010	09/07/23 16:43	
SM 2540C-2015	Total Dissolved Solids	2730	mg/L	25.0	08/30/23 13:45	1g
EPA 300.0 Rev 2.1 1993	Chloride	740	mg/L	13.0	08/29/23 05:37	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10	mg/L	0.10	08/29/23 02:40	
EPA 300.0 Rev 2.1 1993	Sulfate	630	mg/L	13.0	08/29/23 05:37	
92683381053	BOW-BGWC-37D					
EPA 6010D	Calcium	120	mg/L	1.0	09/05/23 13:51	
EPA 6020B	Arsenic	0.0086	mg/L	0.0050	09/09/23 16:21	
EPA 6020B	Barium	0.095	mg/L	0.0050	09/09/23 16:21	
EPA 6020B	Boron	1.6	mg/L	0.040	09/09/23 16:21	
EPA 6020B	Lead	0.00014J	mg/L	0.0010	09/09/23 16:21	
EPA 6020B	Lithium	0.0030J	mg/L	0.030	09/09/23 16:21	
EPA 6020B	Molybdenum	0.019	mg/L	0.010	09/09/23 16:21	
EPA 6020B	Thallium	0.00048J	mg/L	0.0010	09/09/23 16:21	
SM 2540C-2015	Total Dissolved Solids	690	mg/L	25.0	08/30/23 13:45	
EPA 300.0 Rev 2.1 1993	Chloride	157	mg/L	3.0	08/29/23 05:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/29/23 02:54	
EPA 300.0 Rev 2.1 1993	Sulfate	146	mg/L	3.0	08/29/23 05:51	
92683381054	BOW-BGWC-42D					
EPA 6010D	Calcium	88.4	mg/L	1.0	09/05/23 14:26	
EPA 6020B	Arsenic	0.0059	mg/L	0.0050	09/09/23 16:38	
EPA 6020B	Barium	0.074	mg/L	0.0050	09/09/23 16:38	
EPA 6020B	Boron	1.8	mg/L	0.040	09/09/23 16:38	
EPA 6020B	Lithium	0.0017J	mg/L	0.030	09/09/23 16:38	
EPA 6020B	Molybdenum	0.013	mg/L	0.010	09/09/23 16:38	
SM 2540C-2015	Total Dissolved Solids	541	mg/L	25.0	08/30/23 13:45	
EPA 300.0 Rev 2.1 1993	Chloride	90.6	mg/L	1.0	08/29/23 03:09	
EPA 300.0 Rev 2.1 1993	Fluoride	0.52	mg/L	0.10	08/29/23 03:09	
EPA 300.0 Rev 2.1 1993	Sulfate	112	mg/L	2.0	08/29/23 06:06	
92683381055	BOW-AP1-FB-19					
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	09/09/23 16:42	
SM 2540C-2015	Total Dissolved Solids	49.0	mg/L	25.0	08/30/23 13:46	

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SUMMARY OF DETECTION

Project: Bowen AP-1
Pace Project No.: 92683381

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683381056	BOW-AP1-EB-05					
EPA 6020B	Boron	0.023J	mg/L	0.040	09/09/23 16:46	
92683381057	BOW-AP1-FB-20					
EPA 6020B	Boron	0.014J	mg/L	0.040	09/09/23 16:50	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWA-29		Lab ID: 92683381001		Collected: 08/16/23 11:10		Received: 08/17/23 14:32		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	20.9	mg/L	1.0	0.12	1	08/30/23 11:43	08/30/23 22:56	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 20:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 20:55	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 20:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 20:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 20:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 20:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 20:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 20:55	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 20:55	7439-92-1	
Lithium	0.00086J	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 20:55	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 20:55	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 20:55	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 20:55	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/22/23 13:00	08/22/23 19:05	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	101	mg/L	25.0	25.0	1		08/22/23 12:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		08/19/23 14:15	16887-00-6	
Fluoride	0.060J	mg/L	0.10	0.050	1		08/19/23 14:15	16984-48-8	
Sulfate	3.8	mg/L	1.0	0.50	1		08/19/23 14:15	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWA-48D **Lab ID: 92683381002** Collected: 08/16/23 11:03 Received: 08/17/23 14:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	37.7	mg/L	1.0	0.12	1	08/30/23 11:43	08/30/23 23:01	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 21:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 21:01	7440-38-2	
Barium	0.030	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 21:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 21:01	7440-41-7	
Boron	0.010J	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 21:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 21:01	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 21:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 21:01	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 21:01	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 21:01	7439-93-2	
Molybdenum	0.0040J	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 21:01	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 21:01	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 21:01	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/22/23 13:00	08/22/23 19:08	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	267	mg/L	25.0	25.0	1		08/22/23 12:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.3	mg/L	1.0	0.60	1		08/19/23 14:29	16887-00-6	
Fluoride	0.075J	mg/L	0.10	0.050	1		08/19/23 14:29	16984-48-8	
Sulfate	23.0	mg/L	1.0	0.50	1		08/19/23 14:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-8 **Lab ID: 92683381003** Collected: 08/16/23 14:32 Received: 08/17/23 14:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	38.8	mg/L	1.0	0.12	1	08/30/23 11:43	08/30/23 23:06	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 21:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 21:06	7440-38-2	
Barium	0.027	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 21:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 21:06	7440-41-7	
Boron	0.034J	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 21:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 21:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 21:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 21:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 21:06	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 21:06	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 21:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 21:06	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 21:06	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/22/23 13:00	08/22/23 19:10	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	189	mg/L	25.0	25.0	1		08/22/23 12:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.7	mg/L	1.0	0.60	1		08/19/23 14:44	16887-00-6	
Fluoride	0.064J	mg/L	0.10	0.050	1		08/19/23 14:44	16984-48-8	
Sulfate	21.0	mg/L	1.0	0.50	1		08/19/23 14:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-12		Lab ID: 92683381004		Collected: 08/16/23 14:39		Received: 08/17/23 14:32		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	178	mg/L	5.0	0.61	5	08/30/23 11:43	09/02/23 15:09	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 21:12	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 21:12	7440-38-2	
Barium	0.049	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 21:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 21:12	7440-41-7	
Boron	1.4	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 21:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 21:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 21:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 21:12	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 21:12	7439-92-1	
Lithium	0.0016J	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 21:12	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 21:12	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 21:12	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 21:12	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/22/23 13:00	08/22/23 19:18	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	1050	mg/L	25.0	25.0	1		08/22/23 12:36		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	13.7	mg/L	1.0	0.60	1		08/19/23 14:58	16887-00-6	
Fluoride	0.089J	mg/L	0.10	0.050	1		08/19/23 14:58	16984-48-8	
Sulfate	398	mg/L	8.0	4.0	8		08/20/23 04:16	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-14A Lab ID: 92683381005 Collected: 08/16/23 13:00 Received: 08/17/23 14:32 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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6010D ATL ICP
 Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Calcium	196	mg/L	5.0	0.61	5	08/30/23 11:43	09/02/23 15:14	7440-70-2	M1
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6020 MET ICPMS
 Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 21:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 21:18	7440-38-2	
Barium	0.041	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 21:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 21:18	7440-41-7	
Boron	1.7	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 21:18	7440-42-8	
Cadmium	0.00057	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 21:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 21:18	7440-47-3	
Cobalt	0.0017J	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 21:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 21:18	7439-92-1	
Lithium	0.0016J	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 21:18	7439-93-2	
Molybdenum	0.0016J	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 21:18	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 21:18	7782-49-2	
Thallium	0.00059J	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 21:18	7440-28-0	

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

Mercury	ND	mg/L	0.00020	0.00013	1	08/22/23 13:00	08/22/23 19:21	7439-97-6	
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2540C Total Dissolved Solids
 Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	1090	mg/L	25.0	25.0	1		08/22/23 12:36		
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300.0 IC Anions 28 Days
 Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	18.2	mg/L	1.0	0.60	1		08/19/23 15:13	16887-00-6	
Fluoride	0.076J	mg/L	0.10	0.050	1		08/19/23 15:13	16984-48-8	
Sulfate	486	mg/L	10.0	5.0	10		08/20/23 04:30	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWA-47D Lab ID: 92683381006 Collected: 08/15/23 13:04 Received: 08/17/23 14:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	102	mg/L	1.0	0.12	1	08/30/23 11:43	08/30/23 23:48	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 21:24	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 21:24	7440-38-2	
Barium	0.055	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 21:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 21:24	7440-41-7	
Boron	0.034J	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 21:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 21:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 21:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 21:24	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 21:24	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 21:24	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 21:24	7439-98-7	
Selenium	0.0015J	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 21:24	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 21:24	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/22/23 13:00	08/22/23 19:23	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	399	mg/L	25.0	25.0	1		08/22/23 12:25		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.9	mg/L	1.0	0.60	1		08/19/23 18:36	16887-00-6	
Fluoride	0.060J	mg/L	0.10	0.050	1		08/19/23 18:36	16984-48-8	
Sulfate	65.7	mg/L	1.0	0.50	1		08/19/23 18:36	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWA-6		Lab ID: 92683381007		Collected: 08/15/23 13:29		Received: 08/17/23 14:32		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	61.4	mg/L	1.0	0.12	1	08/30/23 11:43	08/30/23 23:53	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 21:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 21:30	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 21:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 21:30	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 21:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 21:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 21:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 21:30	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 21:30	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 21:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 21:30	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 21:30	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 21:30	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/22/23 13:00	08/22/23 19:26	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	309	mg/L	25.0	25.0	1		08/22/23 12:27		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	8.0	mg/L	1.0	0.60	1		08/19/23 18:51	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/19/23 18:51	16984-48-8	
Sulfate	18.2	mg/L	1.0	0.50	1		08/19/23 18:51	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-44D Lab ID: 92683381008 Collected: 08/15/23 11:08 Received: 08/17/23 14:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	25.3	mg/L	1.0	0.12	1	08/30/23 11:43	08/30/23 23:58	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 21:48	7440-36-0	
Arsenic	0.0039J	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 21:48	7440-38-2	
Barium	0.033	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 21:48	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 21:48	7440-41-7	
Boron	0.030J	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 21:48	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 21:48	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 21:48	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 21:48	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 21:48	7439-92-1	
Lithium	0.0063J	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 21:48	7439-93-2	
Molybdenum	0.0026J	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 21:48	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 21:48	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 21:48	7440-28-0	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/22/23 13:00	08/22/23 19:29	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	348	mg/L	25.0	25.0	1		08/22/23 12:29		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	9.3	mg/L	1.0	0.60	1		08/19/23 19:05	16887-00-6	
Fluoride	0.16	mg/L	0.10	0.050	1		08/19/23 19:05	16984-48-8	
Sulfate	11.4	mg/L	1.0	0.50	1		08/19/23 19:05	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FB-13 Lab ID: 92683381009 Collected: 08/16/23 15:45 Received: 08/17/23 14:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 20:33	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 22:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 22:00	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 22:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 22:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 22:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 22:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 22:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 22:00	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 22:00	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 22:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 22:00	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 22:00	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 22:00	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/22/23 12:37		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:39	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/19/23 19:20	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/19/23 19:20	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/19/23 19:20	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-50D **Lab ID: 92683381010** Collected: 08/15/23 15:25 Received: 08/17/23 14:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	68.8	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 20:54	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 22:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 22:06	7440-38-2	
Barium	0.062	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 22:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 22:06	7440-41-7	
Boron	0.040J	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 22:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 22:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 22:06	7440-47-3	
Cobalt	0.00040J	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 22:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 22:06	7439-92-1	
Lithium	0.0015J	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 22:06	7439-93-2	
Molybdenum	0.0041J	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 22:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 22:06	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 22:06	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	623	mg/L	25.0	25.0	1		08/22/23 12:30		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:51	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	23.8	mg/L	1.0	0.60	1		08/19/23 19:34	16887-00-6	
Fluoride	0.14	mg/L	0.10	0.050	1		08/19/23 19:34	16984-48-8	M1
Sulfate	218	mg/L	5.0	2.5	5		08/20/23 04:44	14808-79-8	M1

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FD-08 **Lab ID: 92683381011** Collected: 08/15/23 00:00 Received: 08/17/23 14:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	65.7	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 20:59	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 22:12	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 22:12	7440-38-2	
Barium	0.061	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 22:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 22:12	7440-41-7	
Boron	0.041	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 22:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 22:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 22:12	7440-47-3	
Cobalt	0.00040J	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 22:12	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 22:12	7439-92-1	
Lithium	0.0014J	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 22:12	7439-93-2	
Molybdenum	0.0039J	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 22:12	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 22:12	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 22:12	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	614	mg/L	25.0	25.0	1		08/22/23 12:30		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:53	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	22.9	mg/L	1.0	0.60	1		08/19/23 20:18	16887-00-6	
Fluoride	0.15	mg/L	0.10	0.050	1		08/19/23 20:18	16984-48-8	
Sulfate	202	mg/L	4.0	2.0	4		08/20/23 05:27	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FB-12 Lab ID: 92683381012 Collected: 08/15/23 15:40 Received: 08/17/23 14:32 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 21:04	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/22/23 10:04	08/29/23 22:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/22/23 10:04	08/29/23 22:18	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/22/23 10:04	08/29/23 22:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/22/23 10:04	08/29/23 22:18	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/22/23 10:04	08/29/23 22:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/22/23 10:04	08/29/23 22:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/22/23 10:04	08/29/23 22:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/22/23 10:04	08/29/23 22:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/22/23 10:04	08/29/23 22:18	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/22/23 10:04	08/29/23 22:18	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/22/23 10:04	08/29/23 22:18	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/22/23 10:04	08/29/23 22:18	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/22/23 10:04	08/29/23 22:18	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/22/23 12:31		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:55	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/19/23 20:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/19/23 20:32	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/19/23 20:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-7 Lab ID: 92683381013 Collected: 08/17/23 10:08 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	125	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 21:20	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 14:56	7440-36-0	
Arsenic	0.0041J	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 14:56	7440-38-2	
Barium	0.027	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 14:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 14:56	7440-41-7	
Boron	1.0	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 14:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 14:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 14:56	7440-47-3	
Cobalt	0.00066J	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 14:56	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 14:56	7439-92-1	
Lithium	0.0059J	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 14:56	7439-93-2	
Molybdenum	0.011	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 14:56	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 14:56	7782-49-2	
Thallium	0.00074J	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 14:56	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	702	mg/L	25.0	25.0	1		08/24/23 14:11		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:57	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	8.0	mg/L	1.0	0.60	1		08/23/23 05:43	16887-00-6	
Fluoride	0.14	mg/L	0.10	0.050	1		08/23/23 05:43	16984-48-8	
Sulfate	207	mg/L	4.0	2.0	4		08/23/23 10:22	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-9		Lab ID: 92683381014		Collected: 08/17/23 12:57		Received: 08/21/23 10:55		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	66.9	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 21:25	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/26/23 09:52	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 15:12	7440-38-2	
Barium	0.030	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 15:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 15:12	7440-41-7	
Boron	0.56	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 15:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 15:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 15:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 15:12	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 15:12	7439-92-1	
Lithium	0.0015J	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 15:12	7439-93-2	
Molybdenum	0.0039J	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 15:12	7439-98-7	
Selenium	0.0015J	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 15:12	7782-49-2	
Thallium	0.00020J	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 15:12	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	393	mg/L	25.0	25.0	1		08/24/23 14:12		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:00	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	10.7	mg/L	1.0	0.60	1		08/23/23 05:58	16887-00-6	
Fluoride	0.091J	mg/L	0.10	0.050	1		08/23/23 05:58	16984-48-8	
Sulfate	87.3	mg/L	1.0	0.50	1		08/23/23 05:58	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-10 **Lab ID: 92683381015** Collected: 08/17/23 11:19 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	62.2	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 21:31	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 15:17	7440-36-0	
Arsenic	0.0062	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 15:17	7440-38-2	
Barium	0.039	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 15:17	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 15:17	7440-41-7	
Boron	0.57	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 15:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 15:17	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 15:17	7440-47-3	
Cobalt	0.00043J	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 15:17	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 15:17	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 15:17	7439-93-2	
Molybdenum	0.0025J	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 15:17	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 15:17	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 15:17	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	398	mg/L	25.0	25.0	1		08/24/23 14:12		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:02	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	29.2	mg/L	1.0	0.60	1		08/23/23 06:13	16887-00-6	
Fluoride	0.050J	mg/L	0.10	0.050	1		08/23/23 06:13	16984-48-8	
Sulfate	95.0	mg/L	2.0	1.0	2		08/23/23 10:37	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-16 **Lab ID: 92683381016** Collected: 08/17/23 11:15 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	187	mg/L	5.0	0.61	5	08/31/23 10:11	09/02/23 15:40	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 15:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 15:21	7440-38-2	
Barium	0.034	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 15:21	7440-39-3	
Beryllium	0.00017J	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 15:21	7440-41-7	
Boron	1.9	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 15:21	7440-42-8	
Cadmium	0.0020	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 15:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 15:21	7440-47-3	
Cobalt	0.011	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 15:21	7440-48-4	
Lead	0.00041J	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 15:21	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 15:21	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 15:21	7439-98-7	
Selenium	0.0015J	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 15:21	7782-49-2	
Thallium	0.00025J	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 15:21	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	977	mg/L	25.0	25.0	1		08/24/23 14:12		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:04	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	18.2	mg/L	1.0	0.60	1		08/23/23 06:28	16887-00-6	
Fluoride	0.074J	mg/L	0.10	0.050	1		08/23/23 06:28	16984-48-8	
Sulfate	453	mg/L	9.0	4.5	9		08/23/23 10:52	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-17 **Lab ID: 92683381017** Collected: 08/17/23 12:50 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	75.4	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 21:41	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 15:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 15:25	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 15:25	7440-39-3	
Beryllium	0.000057J	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 15:25	7440-41-7	
Boron	1.3	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 15:25	7440-42-8	
Cadmium	0.00028J	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 15:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 15:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 15:25	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 15:25	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 15:25	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 15:25	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 15:25	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 15:25	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	438	mg/L	25.0	25.0	1		08/24/23 14:12		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	0.00031	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:06	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	39.5	mg/L	1.0	0.60	1		08/23/23 07:12	16887-00-6	
Fluoride	0.12	mg/L	0.10	0.050	1		08/23/23 07:12	16984-48-8	
Sulfate	116	mg/L	2.0	1.0	2		08/23/23 11:07	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-18 Lab ID: 92683381018 Collected: 08/17/23 14:45 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	57.0	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 21:46	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 16:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 16:06	7440-38-2	
Barium	0.033	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 16:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 16:06	7440-41-7	
Boron	0.64	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 16:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 16:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 16:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 16:06	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 16:06	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 16:06	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 16:06	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 16:06	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 16:06	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	303	mg/L	25.0	25.0	1		08/24/23 14:13		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:09	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	12.6	mg/L	1.0	0.60	1		08/23/23 07:27	16887-00-6	
Fluoride	0.056J	mg/L	0.10	0.050	1		08/23/23 07:27	16984-48-8	
Sulfate	60.8	mg/L	1.0	0.50	1		08/23/23 07:27	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-25 **Lab ID: 92683381019** Collected: 08/17/23 14:52 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	48.1	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 21:51	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 16:10	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 16:10	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 16:10	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 16:10	7440-41-7	
Boron	0.075	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 16:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 16:10	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 16:10	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 16:10	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 16:10	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 16:10	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 16:10	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 16:10	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 16:10	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	250	mg/L	25.0	25.0	1		08/24/23 14:13		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:15	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	11.4	mg/L	1.0	0.60	1		08/23/23 07:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/23/23 07:42	16984-48-8	
Sulfate	20.2	mg/L	1.0	0.50	1		08/23/23 07:42	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FD-09 Lab ID: 92683381020 Collected: 08/17/23 00:00 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	74.6	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 21:56	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 16:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 16:14	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 16:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 16:14	7440-41-7	
Boron	1.2	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 16:14	7440-42-8	
Cadmium	0.00034J	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 16:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 16:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 16:14	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 16:14	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 16:14	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 16:14	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 16:14	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 16:14	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	453	mg/L	25.0	25.0	1		08/24/23 14:13		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	0.00029	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:18	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	39.0	mg/L	1.0	0.60	1		08/23/23 21:23	16887-00-6	
Fluoride	0.14	mg/L	0.10	0.050	1		08/23/23 21:23	16984-48-8	
Sulfate	113	mg/L	2.0	1.0	2		08/24/23 01:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FB-14 Lab ID: 92683381021 Collected: 08/17/23 15:24 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 22:01	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 16:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 16:18	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 16:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 16:18	7440-41-7	
Boron	0.015J	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 16:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 16:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 16:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 16:18	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 16:18	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 16:18	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 16:18	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 16:18	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 16:18	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/24/23 14:14		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:20	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/23/23 21:38	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/23/23 21:38	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/23/23 21:38	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-19 **Lab ID: 92683381022** Collected: 08/18/23 09:55 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	56.5	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 22:07	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 16:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 16:22	7440-38-2	
Barium	0.034	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 16:22	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 16:22	7440-41-7	
Boron	0.39	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 16:22	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 16:22	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 16:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 16:22	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 16:22	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 16:22	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 16:22	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 16:22	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 16:22	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	318	mg/L	25.0	25.0	1		08/24/23 14:14		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:22	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.9	mg/L	1.0	0.60	1		08/23/23 21:52	16887-00-6	
Fluoride	0.077J	mg/L	0.10	0.050	1		08/23/23 21:52	16984-48-8	
Sulfate	66.0	mg/L	1.0	0.50	1		08/23/23 21:52	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-20 **Lab ID: 92683381023** Collected: 08/18/23 13:08 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	309	mg/L	5.0	0.61	5	08/31/23 10:11	09/02/23 15:45	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 16:26	7440-36-0	
Arsenic	0.0045J	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 16:26	7440-38-2	
Barium	0.035	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 16:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 16:26	7440-41-7	
Boron	4.8	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 16:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 16:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 16:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 16:26	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 16:26	7439-92-1	
Lithium	0.078	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 16:26	7439-93-2	
Molybdenum	0.054	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 16:26	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 16:26	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 16:26	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	1490	mg/L	25.0	25.0	1		08/24/23 14:14		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:24	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	145	mg/L	13.0	7.8	13		08/24/23 02:04	16887-00-6	
Fluoride	0.068J	mg/L	0.10	0.050	1		08/23/23 22:07	16984-48-8	
Sulfate	612	mg/L	13.0	6.5	13		08/24/23 02:04	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-31 Lab ID: 92683381024 Collected: 08/18/23 12:50 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	74.5	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 22:28	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 16:30	7440-36-0	
Arsenic	0.0054	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 16:30	7440-38-2	
Barium	0.041	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 16:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 16:30	7440-41-7	
Boron	0.87	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 16:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 16:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 16:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 16:30	7440-48-4	
Lead	0.00024J	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 16:30	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 16:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 16:30	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 16:30	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 16:30	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	454	mg/L	25.0	25.0	1		08/24/23 14:15		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:27	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	30.3	mg/L	1.0	0.60	1		08/23/23 22:21	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/23/23 22:21	16984-48-8	
Sulfate	119	mg/L	3.0	1.5	3		08/24/23 02:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-32 **Lab ID: 92683381025** Collected: 08/18/23 09:26 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	172	mg/L	5.0	0.61	5	08/31/23 10:11	09/02/23 15:50	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 16:35	7440-36-0	
Arsenic	0.0039J	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 16:35	7440-38-2	
Barium	0.079	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 16:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 16:35	7440-41-7	
Boron	2.1	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 16:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 16:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 16:35	7440-47-3	
Cobalt	0.0010J	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 16:35	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 16:35	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 16:35	7439-93-2	
Molybdenum	0.0041J	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 16:35	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 16:35	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 16:35	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	1080	mg/L	25.0	25.0	1		08/24/23 14:15		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:29	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	193	mg/L	4.0	2.4	4		08/24/23 02:32	16887-00-6	
Fluoride	0.14	mg/L	0.10	0.050	1		08/23/23 22:36	16984-48-8	
Sulfate	189	mg/L	4.0	2.0	4		08/24/23 02:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-34D **Lab ID: 92683381026** Collected: 08/18/23 11:27 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	113	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 22:38	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 16:39	7440-36-0	
Arsenic	0.016	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 16:39	7440-38-2	
Barium	0.052	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 16:39	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 16:39	7440-41-7	
Boron	0.47	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 16:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 16:39	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 16:39	7440-47-3	
Cobalt	0.0014J	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 16:39	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 16:39	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 16:39	7439-93-2	
Molybdenum	0.0011J	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 16:39	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 16:39	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 16:39	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	560	mg/L	25.0	25.0	1		08/25/23 11:27		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:31	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	43.1	mg/L	1.0	0.60	1		08/23/23 22:51	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		08/23/23 22:51	16984-48-8	
Sulfate	143	mg/L	3.0	1.5	3		08/24/23 03:16	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-40 Lab ID: 92683381027 Collected: 08/18/23 11:30 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	114	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 22:44	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 16:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 16:43	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 16:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 16:43	7440-41-7	
Boron	2.4	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 16:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 16:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 16:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 16:43	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 16:43	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 16:43	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 16:43	7439-98-7	
Selenium	0.0082	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 16:43	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 16:43	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	672	mg/L	25.0	25.0	1		08/25/23 11:27		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:34	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	94.2	mg/L	2.0	1.2	2		08/24/23 03:31	16887-00-6	
Fluoride	0.089J	mg/L	0.10	0.050	1		08/23/23 23:05	16984-48-8	
Sulfate	110	mg/L	2.0	1.0	2		08/24/23 03:31	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FB-15 Lab ID: 92683381028 Collected: 08/18/23 13:13 Received: 08/21/23 10:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	08/31/23 10:11	09/01/23 22:49	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 17:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 17:21	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 17:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 17:21	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 17:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 17:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 17:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 17:21	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 17:21	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 17:21	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 17:21	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 17:21	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 17:21	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/24/23 14:15		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:36	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/23/23 23:20	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/23/23 23:20	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/23/23 23:20	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWA-33 Lab ID: 92683381029 Collected: 08/23/23 10:01 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	85.0	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 17:45	7440-70-2	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 17:25	7440-36-0	
Arsenic	0.0048J	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 17:25	7440-38-2	
Barium	0.050	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 17:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 17:25	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 17:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 17:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 17:25	7440-47-3	
Cobalt	0.00059J	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 17:25	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 17:25	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 17:25	7439-93-2	
Molybdenum	0.0085J	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 17:25	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 17:25	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 17:25	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	351	mg/L	25.0	25.0	1		08/25/23 11:33		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 09:48	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		08/25/23 21:20	16887-00-6	
Fluoride	0.056J	mg/L	0.10	0.050	1		08/25/23 21:20	16984-48-8	
Sulfate	20.5	mg/L	1.0	0.50	1		08/25/23 21:20	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWA-2		Lab ID: 92683381030		Collected: 08/21/23 13:54		Received: 08/24/23 09:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	49.5	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 18:05	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 17:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 17:29	7440-38-2	
Barium	0.11	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 17:29	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 17:29	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 17:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 17:29	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 17:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 17:29	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 17:29	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 17:29	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 17:29	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 17:29	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 17:29	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	243	mg/L	25.0	25.0	1		08/25/23 11:28		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 09:54	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.9	mg/L	1.0	0.60	1		08/25/23 21:35	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/25/23 21:35	16984-48-8	
Sulfate	14.4	mg/L	1.0	0.50	1		08/25/23 21:35	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-21 **Lab ID: 92683381031** Collected: 08/23/23 12:51 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	43.9	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 18:10	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 17:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 17:34	7440-38-2	
Barium	0.036	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 17:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 17:34	7440-41-7	
Boron	0.026J	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 17:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 17:34	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 17:34	7440-47-3	
Cobalt	0.0040J	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 17:34	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 17:34	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 17:34	7439-93-2	
Molybdenum	0.0027J	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 17:34	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 17:34	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 17:34	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	268	mg/L	25.0	25.0	1		08/25/23 11:33		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 09:57	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.0	mg/L	1.0	0.60	1		08/25/23 21:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/25/23 21:49	16984-48-8	
Sulfate	46.4	mg/L	1.0	0.50	1		08/25/23 21:49	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-23 Lab ID: 92683381032 Collected: 08/23/23 14:40 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	332	mg/L	5.0	0.61	5	09/01/23 10:15	09/06/23 16:29	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:03	09/06/23 17:42	7440-36-0	
Arsenic	0.0062	mg/L	0.0050	0.0037	1	08/31/23 11:03	09/06/23 17:42	7440-38-2	
Barium	0.060	mg/L	0.0050	0.00067	1	08/31/23 11:03	09/06/23 17:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:03	09/06/23 17:42	7440-41-7	
Boron	8.7	mg/L	0.040	0.0086	1	08/31/23 11:03	09/06/23 17:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:03	09/06/23 17:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:03	09/06/23 17:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:03	09/06/23 17:42	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:03	09/06/23 17:42	7439-92-1	
Lithium	0.016J	mg/L	0.030	0.00073	1	08/31/23 11:03	09/06/23 17:42	7439-93-2	
Molybdenum	0.0060J	mg/L	0.010	0.00074	1	08/31/23 11:03	09/06/23 17:42	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:03	09/06/23 17:42	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:03	09/06/23 17:42	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	1620	mg/L	25.0	25.0	1		08/30/23 13:39		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	0.00013J	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 09:59	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	439	mg/L	10.0	6.0	10		08/26/23 07:16	16887-00-6	M1
Fluoride	ND	mg/L	0.10	0.050	1		08/25/23 22:04	16984-48-8	
Sulfate	320	mg/L	10.0	5.0	10		08/26/23 07:16	14808-79-8	M1

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-22 Lab ID: 92683381033 Collected: 08/22/23 13:21 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	793	mg/L	5.0	0.61	5	09/01/23 10:15	09/06/23 16:34	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 13:54	7440-36-0	
Arsenic	0.0095	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 13:54	7440-38-2	
Barium	0.068	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 13:54	7440-39-3	
Beryllium	0.00014J	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/07/23 13:54	7440-41-7	
Boron	19.6	mg/L	2.0	0.43	50	08/31/23 11:39	09/08/23 16:33	7440-42-8	
Cadmium	0.00091	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 13:54	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 13:54	7440-47-3	
Cobalt	0.030	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 13:54	7440-48-4	
Lead	0.00014J	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 13:54	7439-92-1	
Lithium	0.021J	mg/L	0.030	0.00073	1	08/31/23 11:39	09/07/23 13:54	7439-93-2	
Molybdenum	0.036	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 13:54	7439-98-7	
Selenium	0.0017J	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 13:54	7782-49-2	
Thallium	0.0013	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 13:54	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	3940	mg/L	25.0	25.0	1		08/25/23 11:30		1g
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:01	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1020	mg/L	15.0	9.0	15		08/26/23 09:57	16887-00-6	
Fluoride	0.23	mg/L	0.10	0.050	1		08/25/23 22:47	16984-48-8	
Sulfate	748	mg/L	15.0	7.5	15		08/26/23 09:57	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-30 **Lab ID: 92683381034** Collected: 08/21/23 11:50 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	98.8	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 18:37	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 13:58	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 13:58	7440-38-2	
Barium	0.051	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 13:58	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/07/23 13:58	7440-41-7	
Boron	2.3	mg/L	0.20	0.043	5	08/31/23 11:39	09/08/23 17:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 13:58	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 13:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 13:58	7440-48-4	
Lead	0.00017J	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 13:58	7439-92-1	
Lithium	0.0012J	mg/L	0.030	0.00073	1	08/31/23 11:39	09/07/23 13:58	7439-93-2	
Molybdenum	0.0048J	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 13:58	7439-98-7	
Selenium	0.0065	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 13:58	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 13:58	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	611	mg/L	25.0	25.0	1		08/25/23 11:28		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:03	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	97.6	mg/L	2.0	1.2	2		08/26/23 08:16	16887-00-6	
Fluoride	0.065J	mg/L	0.10	0.050	1		08/25/23 23:01	16984-48-8	
Sulfate	54.0	mg/L	1.0	0.50	1		08/25/23 23:01	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-39		Lab ID: 92683381035		Collected: 08/23/23 12:10		Received: 08/24/23 09:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	495	mg/L	5.0	0.61	5	09/01/23 10:15	09/06/23 16:39	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 14:02	7440-36-0	
Arsenic	0.010	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 14:02	7440-38-2	
Barium	0.072	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 14:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/07/23 14:02	7440-41-7	
Boron	10.5	mg/L	2.0	0.43	50	08/31/23 11:39	09/08/23 16:37	7440-42-8	M1
Cadmium	0.00017J	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 14:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 14:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 14:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 14:02	7439-92-1	
Lithium	0.0034J	mg/L	0.030	0.00073	1	08/31/23 11:39	09/07/23 14:02	7439-93-2	
Molybdenum	0.0026J	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 14:02	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 14:02	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 14:02	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	1910	mg/L	25.0	25.0	1		08/30/23 13:41		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:10	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	551	mg/L	12.0	7.2	12		08/26/23 08:30	16887-00-6	
Fluoride	0.11	mg/L	0.10	0.050	1		08/25/23 23:16	16984-48-8	
Sulfate	447	mg/L	12.0	6.0	12		08/26/23 08:30	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-41D		Lab ID: 92683381036		Collected: 08/23/23 14:50		Received: 08/24/23 09:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	220	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 18:47	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 14:19	7440-36-0	
Arsenic	0.011	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 14:19	7440-38-2	
Barium	0.065	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 14:19	7440-39-3	
Beryllium	ND	mg/L	0.0025	0.00027	5	08/31/23 11:39	09/08/23 17:10	7440-41-7	D3
Boron	1.4	mg/L	0.20	0.043	5	08/31/23 11:39	09/08/23 17:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 14:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 14:19	7440-47-3	
Cobalt	0.00049J	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 14:19	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 14:19	7439-92-1	
Lithium	ND	mg/L	0.15	0.0036	5	08/31/23 11:39	09/08/23 17:10	7439-93-2	D3
Molybdenum	0.0092J	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 14:19	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 14:19	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 14:19	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	1300	mg/L	25.0	25.0	1		08/30/23 13:42		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	0.00018J	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:12	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	353	mg/L	8.0	4.8	8		08/26/23 08:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/26/23 00:14	16984-48-8	
Sulfate	299	mg/L	8.0	4.0	8		08/26/23 08:45	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-43D Lab ID: 92683381037 Collected: 08/23/23 10:32 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	314	mg/L	5.0	0.61	5	09/01/23 10:15	09/06/23 16:45	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 14:23	7440-36-0	
Arsenic	0.0087	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 14:23	7440-38-2	
Barium	0.062	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 14:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/07/23 14:23	7440-41-7	
Boron	12.0	mg/L	2.0	0.43	50	08/31/23 11:39	09/08/23 16:50	7440-42-8	
Cadmium	0.00029J	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 14:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 14:23	7440-47-3	
Cobalt	0.0031J	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 14:23	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 14:23	7439-92-1	
Lithium	0.022J	mg/L	0.030	0.00073	1	08/31/23 11:39	09/07/23 14:23	7439-93-2	
Molybdenum	0.18	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 14:23	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 14:23	7782-49-2	
Thallium	0.0021	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 14:23	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	1600	mg/L	25.0	25.0	1		08/30/23 13:43		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	0.00015J	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:15	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	396	mg/L	9.0	5.4	9		08/26/23 08:59	16887-00-6	
Fluoride	1.1	mg/L	0.10	0.050	1		08/26/23 00:28	16984-48-8	
Sulfate	283	mg/L	9.0	4.5	9		08/26/23 08:59	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-36D		Lab ID: 92683381038		Collected: 08/21/23 13:20		Received: 08/24/23 09:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	159	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 18:58	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 15:31	7440-36-0	
Arsenic	0.0062	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 15:31	7440-38-2	
Barium	0.060	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 15:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/07/23 15:31	7440-41-7	
Boron	4.2	mg/L	0.40	0.086	10	08/31/23 11:39	09/08/23 17:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 15:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 15:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 15:31	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 15:31	7439-92-1	
Lithium	0.0012J	mg/L	0.030	0.00073	1	08/31/23 11:39	09/07/23 15:31	7439-93-2	
Molybdenum	0.010	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 15:31	7439-98-7	
Selenium	0.014	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 15:31	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 15:31	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	975	mg/L	25.0	25.0	1		08/25/23 11:28		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	0.00016J	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:17	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	225	mg/L	5.0	3.0	5		08/26/23 10:12	16887-00-6	
Fluoride	0.11	mg/L	0.10	0.050	1		08/26/23 00:43	16984-48-8	
Sulfate	117	mg/L	5.0	2.5	5		08/26/23 10:12	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-38D		Lab ID: 92683381039		Collected: 08/21/23 16:10		Received: 08/24/23 09:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	110	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 19:03	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 15:35	7440-36-0	
Arsenic	0.0051	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 15:35	7440-38-2	
Barium	0.10	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 15:35	7440-39-3	
Beryllium	ND	mg/L	0.0025	0.00027	5	08/31/23 11:39	09/08/23 18:03	7440-41-7	D3
Boron	4.1	mg/L	0.20	0.043	5	08/31/23 11:39	09/08/23 18:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 15:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 15:35	7440-47-3	
Cobalt	0.0017J	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 15:35	7440-48-4	
Lead	0.00014J	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 15:35	7439-92-1	
Lithium	ND	mg/L	0.15	0.0036	5	08/31/23 11:39	09/08/23 18:03	7439-93-2	D3
Molybdenum	0.040	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 15:35	7439-98-7	
Selenium	0.0019J	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 15:35	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 15:35	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	774	mg/L	25.0	25.0	1		08/25/23 11:29		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	0.00057	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:19	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	153	mg/L	3.0	1.8	3		08/26/23 10:27	16887-00-6	
Fluoride	0.12	mg/L	0.10	0.050	1		08/26/23 00:57	16984-48-8	
Sulfate	96.3	mg/L	1.0	0.50	1		08/26/23 00:57	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FD-11 Lab ID: 92683381040 Collected: 08/23/23 00:00 Received: 08/24/23 09:10 Matrix: Water

Table with columns: Parameters, Results, Units, Report Limit, MDL, DF, Prepared, Analyzed, CAS No., Qual. Rows include 6010D ATL ICP, 6020 MET ICPMS, 2540C Total Dissolved Solids, 7470 Mercury, and 300.0 IC Anions 28 Days.

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FB-18 Lab ID: 92683381041 Collected: 08/23/23 15:40 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 19:13	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/08/23 15:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/08/23 15:02	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/08/23 15:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/08/23 15:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/31/23 11:39	09/08/23 15:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/08/23 15:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/08/23 15:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/08/23 15:02	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/08/23 15:02	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:39	09/08/23 15:02	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:39	09/08/23 15:02	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/08/23 15:02	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/08/23 15:02	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/30/23 13:44		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:24	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/26/23 11:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/26/23 11:42	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/26/23 11:42	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-EB-04 **Lab ID: 92683381042** Collected: 08/23/23 15:55 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 19:18	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/08/23 15:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/08/23 15:07	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/08/23 15:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/08/23 15:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/31/23 11:39	09/08/23 15:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/08/23 15:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/08/23 15:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/08/23 15:07	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/08/23 15:07	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:39	09/08/23 15:07	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:39	09/08/23 15:07	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/08/23 15:07	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/08/23 15:07	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/28/23 18:44		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:26	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/26/23 02:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/26/23 02:12	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/26/23 02:12	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-49D **Lab ID: 92683381043** Collected: 08/22/23 15:05 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	219	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 19:24	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 15:51	7440-36-0	
Arsenic	0.0097	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 15:51	7440-38-2	
Barium	0.074	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 15:51	7440-39-3	
Beryllium	ND	mg/L	0.0025	0.00027	5	08/31/23 11:39	09/08/23 18:07	7440-41-7	D3
Boron	8.0	mg/L	0.20	0.043	5	08/31/23 11:39	09/08/23 18:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 15:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 15:51	7440-47-3	
Cobalt	0.00093J	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 15:51	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 15:51	7439-92-1	
Lithium	0.0065J	mg/L	0.15	0.0036	5	08/31/23 11:39	09/08/23 18:07	7439-93-2	D3
Molybdenum	0.0048J	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 15:51	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 15:51	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 15:51	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	1600	mg/L	25.0	25.0	1		08/25/23 11:30		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:28	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	421	mg/L	9.0	5.4	9		08/26/23 10:56	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/26/23 03:41	16984-48-8	
Sulfate	214	mg/L	9.0	4.5	9		08/26/23 10:56	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-52 Lab ID: 92683381044 Collected: 08/22/23 11:24 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	85.7	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 19:39	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 15:56	7440-36-0	
Arsenic	0.0050	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 15:56	7440-38-2	
Barium	0.029	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 15:56	7440-39-3	
Beryllium	ND	mg/L	0.0025	0.00027	5	08/31/23 11:39	09/08/23 18:11	7440-41-7	D3
Boron	1.9	mg/L	0.20	0.043	5	08/31/23 11:39	09/08/23 18:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 15:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 15:56	7440-47-3	
Cobalt	0.0035J	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 15:56	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 15:56	7439-92-1	
Lithium	ND	mg/L	0.15	0.0036	5	08/31/23 11:39	09/08/23 18:11	7439-93-2	D3
Molybdenum	0.0039J	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 15:56	7439-98-7	
Selenium	0.0039J	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 15:56	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 15:56	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	468	mg/L	25.0	25.0	1		08/25/23 11:31		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:31	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	64.6	mg/L	1.0	0.60	1		08/26/23 03:56	16887-00-6	
Fluoride	0.098J	mg/L	0.10	0.050	1		08/26/23 03:56	16984-48-8	
Sulfate	92.8	mg/L	1.0	0.50	1		08/26/23 03:56	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FB-17		Lab ID: 92683381045		Collected: 08/22/23 16:11		Received: 08/24/23 09:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 19:44	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/08/23 15:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/08/23 15:11	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/08/23 15:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/08/23 15:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/31/23 11:39	09/08/23 15:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/08/23 15:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/08/23 15:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/08/23 15:11	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/08/23 15:11	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:39	09/08/23 15:11	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:39	09/08/23 15:11	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/08/23 15:11	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/08/23 15:11	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/25/23 11:31		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:37	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/26/23 04:11	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/26/23 04:11	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/26/23 04:11	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-EB-03 Lab ID: 92683381046 Collected: 08/22/23 16:03 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 19:49	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/08/23 15:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/08/23 15:15	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/08/23 15:15	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/08/23 15:15	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/31/23 11:39	09/08/23 15:15	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/08/23 15:15	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/08/23 15:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/08/23 15:15	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/08/23 15:15	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:39	09/08/23 15:15	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:39	09/08/23 15:15	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/08/23 15:15	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/08/23 15:15	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/25/23 11:32		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	0.00014J	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:40	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/26/23 04:26	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/26/23 04:26	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/26/23 04:26	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-51 Lab ID: 92683381047 Collected: 08/21/23 15:46 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	123	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 19:55	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 16:08	7440-36-0	
Arsenic	0.0057	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 16:08	7440-38-2	
Barium	0.0094	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 16:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/07/23 16:08	7440-41-7	
Boron	3.1	mg/L	0.40	0.086	10	08/31/23 11:39	09/08/23 18:15	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 16:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 16:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 16:08	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 16:08	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:39	09/07/23 16:08	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 16:08	7439-98-7	
Selenium	0.0097	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 16:08	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 16:08	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	704	mg/L	25.0	25.0	1		08/25/23 11:29		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	0.00016J	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:42	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	108	mg/L	2.0	1.2	2		08/26/23 11:13	16887-00-6	
Fluoride	0.14	mg/L	0.10	0.050	1		08/26/23 04:41	16984-48-8	
Sulfate	95.0	mg/L	2.0	1.0	2		08/26/23 11:13	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FD-10 **Lab ID: 92683381048** Collected: 08/21/23 00:00 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	157	mg/L	1.0	0.12	1	09/01/23 10:15	09/02/23 20:00	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 16:23	7440-36-0	
Arsenic	0.0069	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 16:23	7440-38-2	
Barium	0.059	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 16:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/07/23 16:23	7440-41-7	
Boron	4.3	mg/L	0.40	0.086	10	08/31/23 11:39	09/08/23 18:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 16:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 16:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 16:23	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 16:23	7439-92-1	
Lithium	0.0012J	mg/L	0.030	0.00073	1	08/31/23 11:39	09/07/23 16:23	7439-93-2	
Molybdenum	0.0099J	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 16:23	7439-98-7	
Selenium	0.012	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 16:23	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 16:23	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	1260	mg/L	25.0	25.0	1		08/25/23 11:29		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	0.00012J	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 10:44	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	227	mg/L	5.0	3.0	5		08/26/23 11:28	16887-00-6	
Fluoride	0.10	mg/L	0.10	0.050	1		08/26/23 04:56	16984-48-8	
Sulfate	118	mg/L	5.0	2.5	5		08/26/23 11:28	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FB-16		Lab ID: 92683381049		Collected: 08/21/23 16:50		Received: 08/24/23 09:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	09/02/23 11:40	09/05/23 13:15	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 16:27	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 16:27	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 16:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/08/23 15:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/31/23 11:39	09/08/23 15:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 16:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 16:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 16:27	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 16:27	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:39	09/08/23 15:19	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 16:27	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 16:27	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 16:27	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/25/23 11:30		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:47	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/26/23 05:11	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/26/23 05:11	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/26/23 05:11	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-EB-02 Lab ID: 92683381050 Collected: 08/21/23 16:55 Received: 08/24/23 09:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	09/02/23 11:40	09/05/23 13:36	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 16:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 16:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 16:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/07/23 16:31	7440-41-7	
Boron	0.031J	mg/L	0.040	0.0086	1	08/31/23 11:39	09/07/23 16:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 16:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 16:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 16:31	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 16:31	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/31/23 11:39	09/07/23 16:31	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 16:31	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 16:31	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 16:31	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/25/23 11:30		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:54	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/26/23 05:26	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/26/23 05:26	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/26/23 05:26	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-24 Lab ID: 92683381051 Collected: 08/25/23 10:30 Received: 08/28/23 09:00 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	486	mg/L	5.0	0.61	5	09/02/23 11:40	09/06/23 18:49	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0021J	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 16:35	7440-36-0	
Arsenic	0.0081	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 16:35	7440-38-2	
Barium	0.045	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 16:35	7440-39-3	
Beryllium	0.00024J	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/07/23 16:35	7440-41-7	
Boron	16.9	mg/L	2.0	0.43	50	08/31/23 11:39	09/08/23 16:58	7440-42-8	
Cadmium	0.0033	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 16:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 16:35	7440-47-3	
Cobalt	0.0023J	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 16:35	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 16:35	7439-92-1	
Lithium	0.0058J	mg/L	0.030	0.00073	1	08/31/23 11:39	09/07/23 16:35	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 16:35	7439-98-7	
Selenium	0.0049J	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 16:35	7782-49-2	
Thallium	0.00028J	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 16:35	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	2120	mg/L	25.0	25.0	1		08/30/23 13:46		1g
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Asheville									
Mercury	0.0023	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 11:58	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	641	mg/L	13.0	7.8	13		08/29/23 05:22	16887-00-6	
Fluoride	0.15	mg/L	0.10	0.050	1		08/29/23 02:25	16984-48-8	
Sulfate	337	mg/L	13.0	6.5	13		08/29/23 05:22	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-35D		Lab ID: 92683381052		Collected: 08/24/23 12:15		Received: 08/28/23 09:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	584	mg/L	5.0	0.61	5	09/02/23 11:40	09/06/23 18:54	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/31/23 11:39	09/07/23 16:43	7440-36-0	
Arsenic	0.016	mg/L	0.0050	0.0037	1	08/31/23 11:39	09/07/23 16:43	7440-38-2	
Barium	0.056	mg/L	0.0050	0.00067	1	08/31/23 11:39	09/07/23 16:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/31/23 11:39	09/07/23 16:43	7440-41-7	
Boron	12.3	mg/L	2.0	0.43	50	08/31/23 11:39	09/08/23 17:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/31/23 11:39	09/07/23 16:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/31/23 11:39	09/07/23 16:43	7440-47-3	
Cobalt	0.0017J	mg/L	0.0050	0.00039	1	08/31/23 11:39	09/07/23 16:43	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	08/31/23 11:39	09/07/23 16:43	7439-92-1	
Lithium	0.023J	mg/L	0.030	0.00073	1	08/31/23 11:39	09/07/23 16:43	7439-93-2	
Molybdenum	0.034	mg/L	0.010	0.00074	1	08/31/23 11:39	09/07/23 16:43	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	08/31/23 11:39	09/07/23 16:43	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	08/31/23 11:39	09/07/23 16:43	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	2730	mg/L	25.0	25.0	1		08/30/23 13:45		1g
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 12:01	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	740	mg/L	13.0	7.8	13		08/29/23 05:37	16887-00-6	
Fluoride	0.10	mg/L	0.10	0.050	1		08/29/23 02:40	16984-48-8	
Sulfate	630	mg/L	13.0	6.5	13		08/29/23 05:37	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-37D Lab ID: 92683381053 Collected: 08/24/23 13:39 Received: 08/28/23 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	120	mg/L	1.0	0.12	1	09/02/23 11:40	09/05/23 13:51	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	09/05/23 11:22	09/09/23 16:21	7440-36-0	
Arsenic	0.0086	mg/L	0.0050	0.0037	1	09/05/23 11:22	09/09/23 16:21	7440-38-2	
Barium	0.095	mg/L	0.0050	0.00067	1	09/05/23 11:22	09/09/23 16:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/05/23 11:22	09/09/23 16:21	7440-41-7	
Boron	1.6	mg/L	0.040	0.0086	1	09/05/23 11:22	09/09/23 16:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/05/23 11:22	09/09/23 16:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/05/23 11:22	09/09/23 16:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/05/23 11:22	09/09/23 16:21	7440-48-4	
Lead	0.00014J	mg/L	0.0010	0.00012	1	09/05/23 11:22	09/09/23 16:21	7439-92-1	
Lithium	0.0030J	mg/L	0.030	0.00073	1	09/05/23 11:22	09/09/23 16:21	7439-93-2	
Molybdenum	0.019	mg/L	0.010	0.00074	1	09/05/23 11:22	09/09/23 16:21	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/05/23 11:22	09/09/23 16:21	7782-49-2	
Thallium	0.00048J	mg/L	0.0010	0.00018	1	09/05/23 11:22	09/09/23 16:21	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	690	mg/L	25.0	25.0	1		08/30/23 13:45		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 12:03	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	157	mg/L	3.0	1.8	3		08/29/23 05:51	16887-00-6	
Fluoride	0.14	mg/L	0.10	0.050	1		08/29/23 02:54	16984-48-8	
Sulfate	146	mg/L	3.0	1.5	3		08/29/23 05:51	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-BGWC-42D Lab ID: 92683381054 Collected: 08/24/23 15:27 Received: 08/28/23 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	88.4	mg/L	1.0	0.12	1	09/02/23 11:40	09/05/23 14:26	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	09/05/23 11:22	09/11/23 16:05	7440-36-0	
Arsenic	0.0059	mg/L	0.0050	0.0037	1	09/05/23 11:22	09/09/23 16:38	7440-38-2	
Barium	0.074	mg/L	0.0050	0.00067	1	09/05/23 11:22	09/09/23 16:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/05/23 11:22	09/09/23 16:38	7440-41-7	
Boron	1.8	mg/L	0.040	0.0086	1	09/05/23 11:22	09/09/23 16:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/05/23 11:22	09/09/23 16:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/05/23 11:22	09/09/23 16:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/05/23 11:22	09/09/23 16:38	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	09/05/23 11:22	09/09/23 16:38	7439-92-1	
Lithium	0.0017J	mg/L	0.030	0.00073	1	09/05/23 11:22	09/09/23 16:38	7439-93-2	
Molybdenum	0.013	mg/L	0.010	0.00074	1	09/05/23 11:22	09/09/23 16:38	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/05/23 11:22	09/09/23 16:38	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/05/23 11:22	09/09/23 16:38	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	541	mg/L	25.0	25.0	1		08/30/23 13:45		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 12:10	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	90.6	mg/L	1.0	0.60	1		08/29/23 03:09	16887-00-6	
Fluoride	0.52	mg/L	0.10	0.050	1		08/29/23 03:09	16984-48-8	
Sulfate	112	mg/L	2.0	1.0	2		08/29/23 06:06	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FB-19 Lab ID: 92683381055 Collected: 08/24/23 16:50 Received: 08/28/23 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	09/02/23 11:40	09/05/23 14:32	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0017J	mg/L	0.0030	0.0012	1	09/05/23 11:22	09/09/23 16:42	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	09/05/23 11:22	09/09/23 16:42	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	09/05/23 11:22	09/09/23 16:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/05/23 11:22	09/09/23 16:42	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	09/05/23 11:22	09/11/23 16:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/05/23 11:22	09/09/23 16:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/05/23 11:22	09/09/23 16:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/05/23 11:22	09/09/23 16:42	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	09/05/23 11:22	09/09/23 16:42	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/05/23 11:22	09/09/23 16:42	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/05/23 11:22	09/09/23 16:42	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/05/23 11:22	09/09/23 16:42	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/05/23 11:22	09/09/23 16:42	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	49.0	mg/L	25.0	25.0	1		08/30/23 13:46		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 12:12	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/29/23 03:24	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/29/23 03:24	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/29/23 03:24	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-EB-05 **Lab ID: 92683381056** Collected: 08/24/23 16:56 Received: 08/28/23 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	09/02/23 11:40	09/05/23 14:37	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	09/05/23 11:22	09/09/23 16:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	09/05/23 11:22	09/09/23 16:46	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	09/05/23 11:22	09/09/23 16:46	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/05/23 11:22	09/09/23 16:46	7440-41-7	
Boron	0.023J	mg/L	0.040	0.0086	1	09/05/23 11:22	09/09/23 16:46	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/05/23 11:22	09/09/23 16:46	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/05/23 11:22	09/09/23 16:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/05/23 11:22	09/09/23 16:46	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	09/05/23 11:22	09/09/23 16:46	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/05/23 11:22	09/09/23 16:46	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/05/23 11:22	09/09/23 16:46	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/05/23 11:22	09/09/23 16:46	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/05/23 11:22	09/09/23 16:46	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/30/23 13:46		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 12:14	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/29/23 03:39	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/29/23 03:39	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/29/23 03:39	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92683381

Sample: BOW-AP1-FB-20 Lab ID: 92683381057 Collected: 08/25/23 13:34 Received: 08/28/23 09:00 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	09/02/23 11:40	09/05/23 14:42	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	09/05/23 11:22	09/09/23 16:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	09/05/23 11:22	09/09/23 16:50	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	09/05/23 11:22	09/09/23 16:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	09/05/23 11:22	09/09/23 16:50	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0086	1	09/05/23 11:22	09/09/23 16:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	09/05/23 11:22	09/09/23 16:50	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	09/05/23 11:22	09/09/23 16:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	09/05/23 11:22	09/09/23 16:50	7440-48-4	
Lead	ND	mg/L	0.0010	0.00012	1	09/05/23 11:22	09/09/23 16:50	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	09/05/23 11:22	09/09/23 16:50	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	09/05/23 11:22	09/09/23 16:50	7439-98-7	
Selenium	ND	mg/L	0.0050	0.0014	1	09/05/23 11:22	09/09/23 16:50	7782-49-2	
Thallium	ND	mg/L	0.0010	0.00018	1	09/05/23 11:22	09/09/23 16:50	7440-28-0	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/30/23 13:46		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Asheville									
Mercury	ND	mg/L	0.00020	0.00012	1	09/09/23 17:08	09/12/23 12:17	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/29/23 04:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/29/23 04:23	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/29/23 04:23	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	796802	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92683381001, 92683381002, 92683381003, 92683381004, 92683381005, 92683381006, 92683381007, 92683381008		

METHOD BLANK:	4128025	Matrix:	Water
Associated Lab Samples:	92683381001, 92683381002, 92683381003, 92683381004, 92683381005, 92683381006, 92683381007, 92683381008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/30/23 22:46	

LABORATORY CONTROL SAMPLE: 4128026						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.94J	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4128027												4128028	
Parameter	Units	92683381005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Calcium	mg/L	196	1	1	205	201	877	510	75-125	2	20	M1	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	797094	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92683381009, 92683381010, 92683381011, 92683381012, 92683381013, 92683381014, 92683381015, 92683381016, 92683381017, 92683381018, 92683381019, 92683381020, 92683381021, 92683381022, 92683381023, 92683381024, 92683381025, 92683381026, 92683381027, 92683381028		

METHOD BLANK:	4129363	Matrix:	Water
Associated Lab Samples:	92683381009, 92683381010, 92683381011, 92683381012, 92683381013, 92683381014, 92683381015, 92683381016, 92683381017, 92683381018, 92683381019, 92683381020, 92683381021, 92683381022, 92683381023, 92683381024, 92683381025, 92683381026, 92683381027, 92683381028		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/01/23 20:23	

LABORATORY CONTROL SAMPLE:	4129364					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.96J	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4129365			4129366								
Parameter	Units	92683381009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	ND	1	1	0.93J	0.96J	93	96	75-125		20	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	797104	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92683381029, 92683381030, 92683381031, 92683381032, 92683381033, 92683381034, 92683381035, 92683381036, 92683381037, 92683381038, 92683381039, 92683381040, 92683381041, 92683381042, 92683381043, 92683381044, 92683381045, 92683381046, 92683381047, 92683381048		

METHOD BLANK:	4129390	Matrix:	Water
Associated Lab Samples:	92683381029, 92683381030, 92683381031, 92683381032, 92683381033, 92683381034, 92683381035, 92683381036, 92683381037, 92683381038, 92683381039, 92683381040, 92683381041, 92683381042, 92683381043, 92683381044, 92683381045, 92683381046, 92683381047, 92683381048		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/02/23 17:34	

LABORATORY CONTROL SAMPLE:	4129391					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0J	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4129392			4129393								
Parameter	Units	92683381029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	85.0	1	1	81.1	86.6	-394	160	75-125	7	20	M1

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	797592	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92683381049, 92683381050, 92683381051, 92683381052, 92683381053, 92683381054, 92683381055, 92683381056, 92683381057

METHOD BLANK: 4131562 Matrix: Water

Associated Lab Samples: 92683381049, 92683381050, 92683381051, 92683381052, 92683381053, 92683381054, 92683381055, 92683381056, 92683381057

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	09/05/23 13:05	

LABORATORY CONTROL SAMPLE: 4131563

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

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4131564 4131565

Parameter	Units	92683381049 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	ND	1	1	1.0	0.97J	100	96	75-125		20	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch: 795012 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92683381001, 92683381002, 92683381003, 92683381004, 92683381005, 92683381006, 92683381007, 92683381008, 92683381009, 92683381010, 92683381011, 92683381012

METHOD BLANK: 4119549 Matrix: Water
 Associated Lab Samples: 92683381001, 92683381002, 92683381003, 92683381004, 92683381005, 92683381006, 92683381007, 92683381008, 92683381009, 92683381010, 92683381011, 92683381012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	08/29/23 19:25	
Arsenic	mg/L	ND	0.0050	0.0037	08/29/23 19:25	
Barium	mg/L	ND	0.0050	0.00067	08/29/23 19:25	
Beryllium	mg/L	ND	0.00050	0.000054	08/29/23 19:25	
Boron	mg/L	ND	0.040	0.0086	08/29/23 19:25	
Cadmium	mg/L	ND	0.00050	0.00011	08/29/23 19:25	
Chromium	mg/L	ND	0.0050	0.0011	08/29/23 19:25	
Cobalt	mg/L	ND	0.0050	0.00039	08/29/23 19:25	
Lead	mg/L	ND	0.0010	0.00012	08/29/23 19:25	
Lithium	mg/L	ND	0.030	0.00073	08/29/23 19:25	
Molybdenum	mg/L	ND	0.010	0.00074	08/29/23 19:25	
Selenium	mg/L	ND	0.0050	0.0014	08/29/23 19:25	
Thallium	mg/L	ND	0.0010	0.00018	08/29/23 19:25	

LABORATORY CONTROL SAMPLE: 4119550

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	105	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.096	96	80-120	
Lithium	mg/L	0.1	0.10	102	80-120	
Molybdenum	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4119551 4119552

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92683141013 Result	Spike Conc.	Spike Conc.	MS Result						
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	108	75-125	1	20

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4119551 4119552													
Parameter	Units	92683141013		MS		MSD		4119552		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Arsenic	mg/L	ND	0.1	0.1	0.099	0.10	99	102	75-125	3	20		
Barium	mg/L	0.064	0.1	0.1	0.17	0.17	110	110	75-125	0	20		
Beryllium	mg/L	ND	0.1	0.1	0.094	0.097	94	97	75-125	4	20		
Boron	mg/L	0.022J	1	1	0.98	1.0	96	100	75-125	4	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	2	20		
Chromium	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	2	20		
Cobalt	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.093	0.096	93	96	75-125	3	20		
Lithium	mg/L	0.016J	0.1	0.1	0.11	0.12	95	99	75-125	4	20		
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	99	101	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.099	0.10	99	103	75-125	4	20		
Thallium	mg/L	ND	0.1	0.1	0.092	0.094	92	94	75-125	2	20		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch: 797129

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92683381013, 92683381014, 92683381015, 92683381016, 92683381017, 92683381018, 92683381019, 92683381020, 92683381021, 92683381022, 92683381023, 92683381024, 92683381025, 92683381026, 92683381027, 92683381028, 92683381029, 92683381030, 92683381031, 92683381032

METHOD BLANK: 4129459

Matrix: Water

Associated Lab Samples: 92683381013, 92683381014, 92683381015, 92683381016, 92683381017, 92683381018, 92683381019, 92683381020, 92683381021, 92683381022, 92683381023, 92683381024, 92683381025, 92683381026, 92683381027, 92683381028, 92683381029, 92683381030, 92683381031, 92683381032

Table with 7 columns: Parameter, Units, Blank Result, Reporting Limit, MDL, Analyzed, Qualifiers. Lists various elements like Antimony, Arsenic, Barium, etc.

LABORATORY CONTROL SAMPLE: 4129460

Table with 7 columns: Parameter, Units, Spike Conc., LCS Result, LCS % Rec, % Rec Limits, Qualifiers. Lists various elements like Antimony, Arsenic, Barium, etc.

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

Parameter	Units	4129461		4129462		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92683381013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result									MSD Result
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	110	107	75-125	3	20		
Arsenic	mg/L	0.0041J	0.1	0.1	0.11	0.11	103	102	75-125	1	20		
Barium	mg/L	0.027	0.1	0.1	0.13	0.13	104	100	75-125	3	20		
Beryllium	mg/L	ND	0.1	0.1	0.096	0.093	96	93	75-125	3	20		
Boron	mg/L	1.0	1	1	2.0	2.0	95	92	75-125	2	20		
Cadmium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	2	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20		
Cobalt	mg/L	0.00066J	0.1	0.1	0.10	0.098	101	97	75-125	4	20		
Lead	mg/L	ND	0.1	0.1	0.093	0.090	93	90	75-125	3	20		
Lithium	mg/L	0.0059J	0.1	0.1	0.10	0.10	98	94	75-125	4	20		
Molybdenum	mg/L	0.011	0.1	0.1	0.11	0.11	102	101	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20		
Thallium	mg/L	0.00074J	0.1	0.1	0.089	0.089	88	88	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch: 797144 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92683381033, 92683381034, 92683381035, 92683381036, 92683381037, 92683381038, 92683381039, 92683381040, 92683381041, 92683381042, 92683381043, 92683381044, 92683381045, 92683381046, 92683381047, 92683381048, 92683381049, 92683381050, 92683381051, 92683381052

METHOD BLANK: 4129532 Matrix: Water
Associated Lab Samples: 92683381033, 92683381034, 92683381035, 92683381036, 92683381037, 92683381038, 92683381039, 92683381040, 92683381041, 92683381042, 92683381043, 92683381044, 92683381045, 92683381046, 92683381047, 92683381048, 92683381049, 92683381050, 92683381051, 92683381052

Table with 7 columns: Parameter, Units, Blank Result, Reporting Limit, MDL, Analyzed, Qualifiers. Lists elements like Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Lead, Lithium, Molybdenum, Selenium, Thallium.

LABORATORY CONTROL SAMPLE: 4129533

Table with 7 columns: Parameter, Units, Spike Conc., LCS Result, LCS % Rec, % Rec Limits, Qualifiers. Lists elements like Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Lead, Lithium, Molybdenum, Selenium, Thallium.

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

Parameter	Units	4129534		4129535		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92683381035 Result	MS Spike Conc.	MSD Spike Conc.	MS Result									MSD Result
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	112	110	75-125	2	20		
Arsenic	mg/L	0.010	0.1	0.1	0.12	0.12	107	108	75-125	1	20		
Barium	mg/L	0.072	0.1	0.1	0.19	0.19	118	115	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	1	20		
Boron	mg/L	10.5	1	1	11.9	11.9	145	144	75-125	0	20	M1	
Cadmium	mg/L	0.00017J	0.1	0.1	0.099	0.098	98	98	75-125	0	20		
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	108	108	75-125	0	20		
Cobalt	mg/L	ND	0.1	0.1	0.11	0.10	106	104	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.093	0.092	93	92	75-125	2	20		
Lithium	mg/L	0.0034J	0.1	0.1	0.10	0.10	100	98	75-125	2	20		
Molybdenum	mg/L	0.0026J	0.1	0.1	0.11	0.11	108	107	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	111	111	75-125	0	20		
Thallium	mg/L	ND	0.1	0.1	0.090	0.090	90	90	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch: 797729

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92683381053, 92683381054, 92683381055, 92683381056, 92683381057

METHOD BLANK: 4131985

Matrix: Water

Associated Lab Samples: 92683381053, 92683381054, 92683381055, 92683381056, 92683381057

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	09/09/23 16:13	
Arsenic	mg/L	ND	0.0050	0.0037	09/09/23 16:13	
Barium	mg/L	ND	0.0050	0.00067	09/09/23 16:13	
Beryllium	mg/L	ND	0.00050	0.000054	09/09/23 16:13	
Boron	mg/L	ND	0.040	0.0086	09/09/23 16:13	
Cadmium	mg/L	ND	0.00050	0.00011	09/09/23 16:13	
Chromium	mg/L	ND	0.0050	0.0011	09/09/23 16:13	
Cobalt	mg/L	ND	0.0050	0.00039	09/09/23 16:13	
Lead	mg/L	ND	0.0010	0.00012	09/09/23 16:13	
Lithium	mg/L	ND	0.030	0.00073	09/09/23 16:13	
Molybdenum	mg/L	ND	0.010	0.00074	09/09/23 16:13	
Selenium	mg/L	ND	0.0050	0.0014	09/09/23 16:13	
Thallium	mg/L	ND	0.0010	0.00018	09/09/23 16:13	

LABORATORY CONTROL SAMPLE: 4131986

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	105	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.094	94	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	0.97	97	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Lithium	mg/L	0.1	0.10	103	80-120	
Molybdenum	mg/L	0.1	0.095	95	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4131987 4131988

Parameter	Units	92683381053 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	111	111	75-125	0	20	
Arsenic	mg/L	0.0086	0.1	0.1	0.12	0.11	106	105	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4131987												4131988	
Parameter	Units	92683381053 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Barium	mg/L	0.095	0.1	0.1	0.21	0.21	117	113	75-125	2	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	104	100	75-125	4	20		
Boron	mg/L	1.6	1	1	2.8	2.6	111	99	75-125	4	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	104	101	75-125	2	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	104	104	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20		
Lead	mg/L	0.00014J	0.1	0.1	0.097	0.097	97	96	75-125	0	20		
Lithium	mg/L	0.0030J	0.1	0.1	0.11	0.11	109	103	75-125	6	20		
Molybdenum	mg/L	0.019	0.1	0.1	0.13	0.12	106	105	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	108	105	75-125	3	20		
Thallium	mg/L	0.00048J	0.1	0.1	0.098	0.097	98	96	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	795037	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92683381001, 92683381002, 92683381003, 92683381004, 92683381005, 92683381006, 92683381007, 92683381008		

METHOD BLANK:	4119610	Matrix:	Water
Associated Lab Samples:	92683381001, 92683381002, 92683381003, 92683381004, 92683381005, 92683381006, 92683381007, 92683381008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/22/23 18:15	

LABORATORY CONTROL SAMPLE: 4119611						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0027	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4119612												4119613	
Parameter	Units	92683139001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Mercury	mg/L	ND	0.0025	0.0025	0.0028	0.0028	111	112	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	795115	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92683381001, 92683381002, 92683381003, 92683381004, 92683381005, 92683381006, 92683381007, 92683381008, 92683381009, 92683381010, 92683381011, 92683381012		

METHOD BLANK:	4119873	Matrix:	Water
Associated Lab Samples:	92683381001, 92683381002, 92683381003, 92683381004, 92683381005, 92683381006, 92683381007, 92683381008, 92683381009, 92683381010, 92683381011, 92683381012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/22/23 12:24	

LABORATORY CONTROL SAMPLE: 4119874						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	385	96	80-120	

SAMPLE DUPLICATE: 4119875						
Parameter	Units	92683381006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	399	402	1	10	

SAMPLE DUPLICATE: 4119876						
Parameter	Units	92683381003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	189	182	4	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch: 795387 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92683381013, 92683381014, 92683381015, 92683381016, 92683381017, 92683381018, 92683381019, 92683381020, 92683381021, 92683381022, 92683381023, 92683381024, 92683381025, 92683381028

METHOD BLANK: 4121219 Matrix: Water
 Associated Lab Samples: 92683381013, 92683381014, 92683381015, 92683381016, 92683381017, 92683381018, 92683381019, 92683381020, 92683381021, 92683381022, 92683381023, 92683381024, 92683381025, 92683381028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/24/23 14:11	

LABORATORY CONTROL SAMPLE: 4121220

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	80-120	

SAMPLE DUPLICATE: 4121221

Parameter	Units	92683381013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	702	680	3	10	

SAMPLE DUPLICATE: 4121222

Parameter	Units	92683381023 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1490	1480	1	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch: 795987

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92683381026, 92683381027, 92683381029, 92683381030, 92683381031, 92683381033, 92683381034, 92683381038, 92683381039, 92683381043, 92683381044, 92683381045, 92683381046, 92683381047, 92683381048, 92683381049, 92683381050

METHOD BLANK: 4124532

Matrix: Water

Associated Lab Samples: 92683381026, 92683381027, 92683381029, 92683381030, 92683381031, 92683381033, 92683381034, 92683381038, 92683381039, 92683381043, 92683381044, 92683381045, 92683381046, 92683381047, 92683381048, 92683381049, 92683381050

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/25/23 11:26	

LABORATORY CONTROL SAMPLE: 4124533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	397	99	80-120	

SAMPLE DUPLICATE: 4124534

Parameter	Units	92683381026 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	560	556	1	10	

SAMPLE DUPLICATE: 4124535

Parameter	Units	92683381033 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	3940	4150	5	10 1g	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	796395	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	92683381042	Laboratory:	Pace Analytical Services - Peachtree Corners, GA

METHOD BLANK: 4126358 Matrix: Water
 Associated Lab Samples: 92683381042

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/28/23 18:44	

LABORATORY CONTROL SAMPLE: 4126359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	383	96	80-120	

SAMPLE DUPLICATE: 4126360

Parameter	Units	92683381042 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 4126361

Parameter	Units	92684547010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	50.0	85.0	52	10	D6

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch: 796832

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92683381032, 92683381035, 92683381036, 92683381037, 92683381040, 92683381041, 92683381051, 92683381052, 92683381053, 92683381054, 92683381055, 92683381056, 92683381057

METHOD BLANK: 4128177

Matrix: Water

Associated Lab Samples: 92683381032, 92683381035, 92683381036, 92683381037, 92683381040, 92683381041, 92683381051, 92683381052, 92683381053, 92683381054, 92683381055, 92683381056, 92683381057

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/30/23 13:39	

LABORATORY CONTROL SAMPLE: 4128178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	412	103	80-120	

SAMPLE DUPLICATE: 4128179

Parameter	Units	92683381032 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1620	1620	0	10	

SAMPLE DUPLICATE: 4128180

Parameter	Units	92683381056 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	798693	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92683381009, 92683381010, 92683381011, 92683381012, 92683381013, 92683381014, 92683381015, 92683381016, 92683381017, 92683381018, 92683381019, 92683381020, 92683381021, 92683381022, 92683381023, 92683381024, 92683381025, 92683381026, 92683381027, 92683381028		

METHOD BLANK:	4136973	Matrix:	Water
Associated Lab Samples:	92683381009, 92683381010, 92683381011, 92683381012, 92683381013, 92683381014, 92683381015, 92683381016, 92683381017, 92683381018, 92683381019, 92683381020, 92683381021, 92683381022, 92683381023, 92683381024, 92683381025, 92683381026, 92683381027, 92683381028		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	09/12/23 10:35	

LABORATORY CONTROL SAMPLE:	4136974					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4136975			4136976								
Parameter	Units	92683381009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0027	0.0027	106	109	75-125	2	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	798694	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92683381029, 92683381030, 92683381031, 92683381032, 92683381033, 92683381034, 92683381035, 92683381036, 92683381037, 92683381038, 92683381039, 92683381040, 92683381041, 92683381042, 92683381043, 92683381044, 92683381045, 92683381046, 92683381047, 92683381048		

METHOD BLANK:	4136977	Matrix:	Water
Associated Lab Samples:	92683381029, 92683381030, 92683381031, 92683381032, 92683381033, 92683381034, 92683381035, 92683381036, 92683381037, 92683381038, 92683381039, 92683381040, 92683381041, 92683381042, 92683381043, 92683381044, 92683381045, 92683381046, 92683381047, 92683381048		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	09/12/23 09:43	

LABORATORY CONTROL SAMPLE:	4136978					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4136979			4136980								
Parameter	Units	92683381029 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0025	97	97	75-125	0	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	798695	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92683381049, 92683381050, 92683381051, 92683381052, 92683381053, 92683381054, 92683381055, 92683381056, 92683381057

METHOD BLANK: 4136981 Matrix: Water

Associated Lab Samples: 92683381049, 92683381050, 92683381051, 92683381052, 92683381053, 92683381054, 92683381055, 92683381056, 92683381057

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00012	09/12/23 11:43	

LABORATORY CONTROL SAMPLE: 4136982

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4136983 4136984

Parameter	Units	92683381049 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0026	104	103	75-125	1	25	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	794766	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92683381001, 92683381002, 92683381003, 92683381004, 92683381005, 92683381006, 92683381007, 92683381008, 92683381009, 92683381010, 92683381011, 92683381012		

METHOD BLANK:	4118335	Matrix:	Water
Associated Lab Samples:	92683381001, 92683381002, 92683381003, 92683381004, 92683381005, 92683381006, 92683381007, 92683381008, 92683381009, 92683381010, 92683381011, 92683381012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/19/23 13:02	
Fluoride	mg/L	ND	0.10	0.050	08/19/23 13:02	
Sulfate	mg/L	ND	1.0	0.50	08/19/23 13:02	

LABORATORY CONTROL SAMPLE: 4118336						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.0	100	90-110	
Fluoride	mg/L	2.5	2.6	104	90-110	
Sulfate	mg/L	50	50.1	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4118337 4118338													
Parameter	Units	92683384020		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Chloride	mg/L	14.8	50	50	64.2	65.0	99	100	90-110	1	10
Fluoride	mg/L	0.23	2.5	2.5	2.6	2.6	93	95	90-110	2	10		
Sulfate	mg/L	210	50	50	251	250	82	79	90-110	1	10 M1		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4118339 4118340													
Parameter	Units	92683381010		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Chloride	mg/L	23.8	50	50	73.3	70.4	99	93	90-110	4	10
Fluoride	mg/L	0.14	2.5	2.5	2.5	2.4	93	89	90-110	4	10 M1		
Sulfate	mg/L	218	50	50	264	256	92	76	90-110	3	10 M1		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	795066	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92683381013, 92683381014, 92683381015, 92683381016, 92683381017, 92683381018, 92683381019		

METHOD BLANK: 4119716 Matrix: Water
 Associated Lab Samples: 92683381013, 92683381014, 92683381015, 92683381016, 92683381017, 92683381018, 92683381019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/23/23 00:03	
Fluoride	mg/L	ND	0.10	0.050	08/23/23 00:03	
Sulfate	mg/L	ND	1.0	0.50	08/23/23 00:03	

LABORATORY CONTROL SAMPLE: 4119717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.2	100	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	50.4	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4119718 4119719

Parameter	Units	92683383005		MS	MSD	MS	MSD	% Rec	% Rec	% Rec	Max	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Chloride	mg/L	15.7	50	50	62.8	63.8	94	96	90-110	2	10	
Fluoride	mg/L	0.073J	2.5	2.5	2.4	2.4	93	95	90-110	2	10	
Sulfate	mg/L	81.1	50	50	118	119	74	76	90-110	1	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4119720 4119721

Parameter	Units	92683384024		MS	MSD	MS	MSD	% Rec	% Rec	% Rec	Max	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Chloride	mg/L	ND	50	50	47.7	48.0	95	96	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.3	2.3	93	93	90-110	0	10	
Sulfate	mg/L	ND	50	50	47.9	48.1	95	96	90-110	0	10	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	795339	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92683381020, 92683381021, 92683381022, 92683381023, 92683381024, 92683381025, 92683381026, 92683381027, 92683381028		

METHOD BLANK:	4120994	Matrix:	Water
Associated Lab Samples:	92683381020, 92683381021, 92683381022, 92683381023, 92683381024, 92683381025, 92683381026, 92683381027, 92683381028		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/23/23 19:27	
Fluoride	mg/L	ND	0.10	0.050	08/23/23 19:27	
Sulfate	mg/L	ND	1.0	0.50	08/23/23 19:27	

LABORATORY CONTROL SAMPLE: 4120995						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.6	101	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4120996												4120997	
Parameter	Units	92683920002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	41.2	50	50	88.2	88.6	94	95	90-110	0	10		
Fluoride	mg/L	1.7	2.5	2.5	3.9	3.9	89	89	90-110	0	10 M1		
Sulfate	mg/L	211	50	50	252	252	81	82	90-110	0	10 M1		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4120998												4120999	
Parameter	Units	92683381028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	ND	50	50	48.2	48.6	96	97	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	95	96	90-110	1	10		
Sulfate	mg/L	ND	50	50	48.4	48.7	97	97	90-110	1	10		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	795909	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92683381029, 92683381030, 92683381031, 92683381032, 92683381033, 92683381034, 92683381035, 92683381036, 92683381037, 92683381038, 92683381039, 92683381040, 92683381041		

METHOD BLANK:	4124214	Matrix:	Water
Associated Lab Samples:	92683381029, 92683381030, 92683381031, 92683381032, 92683381033, 92683381034, 92683381035, 92683381036, 92683381037, 92683381038, 92683381039, 92683381040, 92683381041		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/25/23 17:58	
Fluoride	mg/L	ND	0.10	0.050	08/25/23 17:58	
Sulfate	mg/L	ND	1.0	0.50	08/25/23 17:58	

LABORATORY CONTROL SAMPLE: 4124215						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.4	97	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	48.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4124216												4124217	
Parameter	Units	92684401001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	61.0	50	50	99.9	93.2	78	64	90-110	7	10	M1	
Fluoride	mg/L	0.30	2.5	2.5	3.1	3.0	110	109	90-110	1	10		
Sulfate	mg/L	24.8	50	50	71.4	71.1	93	93	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4124218												4124219	
Parameter	Units	92683381032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	439	50	50	475	476	71	74	90-110	0	10	M1	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.8	105	109	90-110	4	10		
Sulfate	mg/L	320	50	50	362	363	83	85	90-110	0	10	M1	

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	795915	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92683381042, 92683381043, 92683381044, 92683381045, 92683381046, 92683381047, 92683381048, 92683381049, 92683381050		

METHOD BLANK:	4124234	Matrix:	Water
Associated Lab Samples:	92683381042, 92683381043, 92683381044, 92683381045, 92683381046, 92683381047, 92683381048, 92683381049, 92683381050		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/26/23 01:42	
Fluoride	mg/L	ND	0.10	0.050	08/26/23 01:42	
Sulfate	mg/L	ND	1.0	0.50	08/26/23 01:42	

LABORATORY CONTROL SAMPLE: 4124235						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.2	98	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	49.6	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4124236												4124237	
Parameter	Units	92683381042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	ND	50	50	46.0	48.1	91	96	90-110	4	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	101	103	90-110	2	10		
Sulfate	mg/L	ND	50	50	46.5	48.6	92	97	90-110	5	10		

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92683381

QC Batch:	796480	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92683381051, 92683381052, 92683381053, 92683381054, 92683381055, 92683381056, 92683381057

METHOD BLANK: 4126718 Matrix: Water

Associated Lab Samples: 92683381051, 92683381052, 92683381053, 92683381054, 92683381055, 92683381056, 92683381057

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/29/23 01:26	
Fluoride	mg/L	ND	0.10	0.050	08/29/23 01:26	
Sulfate	mg/L	ND	1.0	0.50	08/29/23 01:26	

LABORATORY CONTROL SAMPLE: 4126719

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	49.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4126720 4126721

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92684809001 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	108	50	50	154	157	92	98	90-110	2	10		
Fluoride	mg/L	0.46	2.5	2.5	2.9	3.0	96	100	90-110	4	10		
Sulfate	mg/L	21.1	50	50	70.4	73.1	99	104	90-110	4	10		

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QUALIFIERS

Project: Bowen AP-1

Pace Project No.: 92683381

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- | | |
|----|---|
| 1g | Sample residue exceeded method SM 2540C recommended 200 mg |
| D3 | Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference. |
| D6 | The precision between the sample and sample duplicate exceeded laboratory control limits. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683381001	BOW-BGWA-29	EPA 3010A	796802	EPA 6010D	796891
92683381002	BOW-BGWA-48D	EPA 3010A	796802	EPA 6010D	796891
92683381003	BOW-BGWC-8	EPA 3010A	796802	EPA 6010D	796891
92683381004	BOW-BGWC-12	EPA 3010A	796802	EPA 6010D	796891
92683381005	BOW-BGWC-14A	EPA 3010A	796802	EPA 6010D	796891
92683381006	BOW-BGWA-47D	EPA 3010A	796802	EPA 6010D	796891
92683381007	BOW-BGWA-6	EPA 3010A	796802	EPA 6010D	796891
92683381008	BOW-BGWC-44D	EPA 3010A	796802	EPA 6010D	796891
92683381009	BOW-AP1-FB-13	EPA 3010A	797094	EPA 6010D	797189
92683381010	BOW-BGWC-50D	EPA 3010A	797094	EPA 6010D	797189
92683381011	BOW-AP1-FD-08	EPA 3010A	797094	EPA 6010D	797189
92683381012	BOW-AP1-FB-12	EPA 3010A	797094	EPA 6010D	797189
92683381013	BOW-BGWC-7	EPA 3010A	797094	EPA 6010D	797189
92683381014	BOW-BGWC-9	EPA 3010A	797094	EPA 6010D	797189
92683381015	BOW-BGWC-10	EPA 3010A	797094	EPA 6010D	797189
92683381016	BOW-BGWC-16	EPA 3010A	797094	EPA 6010D	797189
92683381017	BOW-BGWC-17	EPA 3010A	797094	EPA 6010D	797189
92683381018	BOW-BGWC-18	EPA 3010A	797094	EPA 6010D	797189
92683381019	BOW-BGWC-25	EPA 3010A	797094	EPA 6010D	797189
92683381020	BOW-AP1-FD-09	EPA 3010A	797094	EPA 6010D	797189
92683381021	BOW-AP1-FB-14	EPA 3010A	797094	EPA 6010D	797189
92683381022	BOW-BGWC-19	EPA 3010A	797094	EPA 6010D	797189
92683381023	BOW-BGWC-20	EPA 3010A	797094	EPA 6010D	797189
92683381024	BOW-BGWC-31	EPA 3010A	797094	EPA 6010D	797189
92683381025	BOW-BGWC-32	EPA 3010A	797094	EPA 6010D	797189
92683381026	BOW-BGWC-34D	EPA 3010A	797094	EPA 6010D	797189
92683381027	BOW-BGWC-40	EPA 3010A	797094	EPA 6010D	797189
92683381028	BOW-AP1-FB-15	EPA 3010A	797094	EPA 6010D	797189
92683381029	BOW-BGWA-33	EPA 3010A	797104	EPA 6010D	797455
92683381030	BOW-BGWA-2	EPA 3010A	797104	EPA 6010D	797455
92683381031	BOW-BGWC-21	EPA 3010A	797104	EPA 6010D	797455
92683381032	BOW-BGWC-23	EPA 3010A	797104	EPA 6010D	797455
92683381033	BOW-BGWC-22	EPA 3010A	797104	EPA 6010D	797455
92683381034	BOW-BGWC-30	EPA 3010A	797104	EPA 6010D	797455
92683381035	BOW-BGWC-39	EPA 3010A	797104	EPA 6010D	797455
92683381036	BOW-BGWC-41D	EPA 3010A	797104	EPA 6010D	797455
92683381037	BOW-BGWC-43D	EPA 3010A	797104	EPA 6010D	797455
92683381038	BOW-BGWC-36D	EPA 3010A	797104	EPA 6010D	797455
92683381039	BOW-BGWC-38D	EPA 3010A	797104	EPA 6010D	797455
92683381040	BOW-AP1-FD-11	EPA 3010A	797104	EPA 6010D	797455
92683381041	BOW-AP1-FB-18	EPA 3010A	797104	EPA 6010D	797455
92683381042	BOW-AP1-EB-04	EPA 3010A	797104	EPA 6010D	797455
92683381043	BOW-BGWC-49D	EPA 3010A	797104	EPA 6010D	797455
92683381044	BOW-BGWC-52	EPA 3010A	797104	EPA 6010D	797455
92683381045	BOW-AP1-FB-17	EPA 3010A	797104	EPA 6010D	797455
92683381046	BOW-AP1-EB-03	EPA 3010A	797104	EPA 6010D	797455
92683381047	BOW-BGWC-51	EPA 3010A	797104	EPA 6010D	797455
92683381048	BOW-AP1-FD-10	EPA 3010A	797104	EPA 6010D	797455

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683381049	BOW-AP1-FB-16	EPA 3010A	797592	EPA 6010D	797605
92683381050	BOW-AP1-EB-02	EPA 3010A	797592	EPA 6010D	797605
92683381051	BOW-BGWC-24	EPA 3010A	797592	EPA 6010D	797605
92683381052	BOW-BGWC-35D	EPA 3010A	797592	EPA 6010D	797605
92683381053	BOW-BGWC-37D	EPA 3010A	797592	EPA 6010D	797605
92683381054	BOW-BGWC-42D	EPA 3010A	797592	EPA 6010D	797605
92683381055	BOW-AP1-FB-19	EPA 3010A	797592	EPA 6010D	797605
92683381056	BOW-AP1-EB-05	EPA 3010A	797592	EPA 6010D	797605
92683381057	BOW-AP1-FB-20	EPA 3010A	797592	EPA 6010D	797605
92683381001	BOW-BGWA-29	EPA 3005A	795012	EPA 6020B	795206
92683381002	BOW-BGWA-48D	EPA 3005A	795012	EPA 6020B	795206
92683381003	BOW-BGWC-8	EPA 3005A	795012	EPA 6020B	795206
92683381004	BOW-BGWC-12	EPA 3005A	795012	EPA 6020B	795206
92683381005	BOW-BGWC-14A	EPA 3005A	795012	EPA 6020B	795206
92683381006	BOW-BGWA-47D	EPA 3005A	795012	EPA 6020B	795206
92683381007	BOW-BGWA-6	EPA 3005A	795012	EPA 6020B	795206
92683381008	BOW-BGWC-44D	EPA 3005A	795012	EPA 6020B	795206
92683381009	BOW-AP1-FB-13	EPA 3005A	795012	EPA 6020B	795206
92683381010	BOW-BGWC-50D	EPA 3005A	795012	EPA 6020B	795206
92683381011	BOW-AP1-FD-08	EPA 3005A	795012	EPA 6020B	795206
92683381012	BOW-AP1-FB-12	EPA 3005A	795012	EPA 6020B	795206
92683381013	BOW-BGWC-7	EPA 3005A	797129	EPA 6020B	797228
92683381014	BOW-BGWC-9	EPA 3005A	797129	EPA 6020B	797228
92683381015	BOW-BGWC-10	EPA 3005A	797129	EPA 6020B	797228
92683381016	BOW-BGWC-16	EPA 3005A	797129	EPA 6020B	797228
92683381017	BOW-BGWC-17	EPA 3005A	797129	EPA 6020B	797228
92683381018	BOW-BGWC-18	EPA 3005A	797129	EPA 6020B	797228
92683381019	BOW-BGWC-25	EPA 3005A	797129	EPA 6020B	797228
92683381020	BOW-AP1-FD-09	EPA 3005A	797129	EPA 6020B	797228
92683381021	BOW-AP1-FB-14	EPA 3005A	797129	EPA 6020B	797228
92683381022	BOW-BGWC-19	EPA 3005A	797129	EPA 6020B	797228
92683381023	BOW-BGWC-20	EPA 3005A	797129	EPA 6020B	797228
92683381024	BOW-BGWC-31	EPA 3005A	797129	EPA 6020B	797228
92683381025	BOW-BGWC-32	EPA 3005A	797129	EPA 6020B	797228
92683381026	BOW-BGWC-34D	EPA 3005A	797129	EPA 6020B	797228
92683381027	BOW-BGWC-40	EPA 3005A	797129	EPA 6020B	797228
92683381028	BOW-AP1-FB-15	EPA 3005A	797129	EPA 6020B	797228
92683381029	BOW-BGWA-33	EPA 3005A	797129	EPA 6020B	797228
92683381030	BOW-BGWA-2	EPA 3005A	797129	EPA 6020B	797228
92683381031	BOW-BGWC-21	EPA 3005A	797129	EPA 6020B	797228
92683381032	BOW-BGWC-23	EPA 3005A	797129	EPA 6020B	797228
92683381033	BOW-BGWC-22	EPA 3005A	797144	EPA 6020B	797236
92683381034	BOW-BGWC-30	EPA 3005A	797144	EPA 6020B	797236
92683381035	BOW-BGWC-39	EPA 3005A	797144	EPA 6020B	797236
92683381036	BOW-BGWC-41D	EPA 3005A	797144	EPA 6020B	797236
92683381037	BOW-BGWC-43D	EPA 3005A	797144	EPA 6020B	797236
92683381038	BOW-BGWC-36D	EPA 3005A	797144	EPA 6020B	797236

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683381039	BOW-BGWC-38D	EPA 3005A	797144	EPA 6020B	797236
92683381040	BOW-AP1-FD-11	EPA 3005A	797144	EPA 6020B	797236
92683381041	BOW-AP1-FB-18	EPA 3005A	797144	EPA 6020B	797236
92683381042	BOW-AP1-EB-04	EPA 3005A	797144	EPA 6020B	797236
92683381043	BOW-BGWC-49D	EPA 3005A	797144	EPA 6020B	797236
92683381044	BOW-BGWC-52	EPA 3005A	797144	EPA 6020B	797236
92683381045	BOW-AP1-FB-17	EPA 3005A	797144	EPA 6020B	797236
92683381046	BOW-AP1-EB-03	EPA 3005A	797144	EPA 6020B	797236
92683381047	BOW-BGWC-51	EPA 3005A	797144	EPA 6020B	797236
92683381048	BOW-AP1-FD-10	EPA 3005A	797144	EPA 6020B	797236
92683381049	BOW-AP1-FB-16	EPA 3005A	797144	EPA 6020B	797236
92683381050	BOW-AP1-EB-02	EPA 3005A	797144	EPA 6020B	797236
92683381051	BOW-BGWC-24	EPA 3005A	797144	EPA 6020B	797236
92683381052	BOW-BGWC-35D	EPA 3005A	797144	EPA 6020B	797236
92683381053	BOW-BGWC-37D	EPA 3005A	797729	EPA 6020B	797807
92683381054	BOW-BGWC-42D	EPA 3005A	797729	EPA 6020B	797807
92683381055	BOW-AP1-FB-19	EPA 3005A	797729	EPA 6020B	797807
92683381056	BOW-AP1-EB-05	EPA 3005A	797729	EPA 6020B	797807
92683381057	BOW-AP1-FB-20	EPA 3005A	797729	EPA 6020B	797807
92683381001	BOW-BGWA-29	EPA 7470A	795037	EPA 7470A	795162
92683381002	BOW-BGWA-48D	EPA 7470A	795037	EPA 7470A	795162
92683381003	BOW-BGWC-8	EPA 7470A	795037	EPA 7470A	795162
92683381004	BOW-BGWC-12	EPA 7470A	795037	EPA 7470A	795162
92683381005	BOW-BGWC-14A	EPA 7470A	795037	EPA 7470A	795162
92683381006	BOW-BGWA-47D	EPA 7470A	795037	EPA 7470A	795162
92683381007	BOW-BGWA-6	EPA 7470A	795037	EPA 7470A	795162
92683381008	BOW-BGWC-44D	EPA 7470A	795037	EPA 7470A	795162
92683381001	BOW-BGWA-29	SM 2540C-2015	795115		
92683381002	BOW-BGWA-48D	SM 2540C-2015	795115		
92683381003	BOW-BGWC-8	SM 2540C-2015	795115		
92683381004	BOW-BGWC-12	SM 2540C-2015	795115		
92683381005	BOW-BGWC-14A	SM 2540C-2015	795115		
92683381006	BOW-BGWA-47D	SM 2540C-2015	795115		
92683381007	BOW-BGWA-6	SM 2540C-2015	795115		
92683381008	BOW-BGWC-44D	SM 2540C-2015	795115		
92683381009	BOW-AP1-FB-13	SM 2540C-2015	795115		
92683381010	BOW-BGWC-50D	SM 2540C-2015	795115		
92683381011	BOW-AP1-FD-08	SM 2540C-2015	795115		
92683381012	BOW-AP1-FB-12	SM 2540C-2015	795115		
92683381013	BOW-BGWC-7	SM 2540C-2015	795387		
92683381014	BOW-BGWC-9	SM 2540C-2015	795387		
92683381015	BOW-BGWC-10	SM 2540C-2015	795387		
92683381016	BOW-BGWC-16	SM 2540C-2015	795387		
92683381017	BOW-BGWC-17	SM 2540C-2015	795387		
92683381018	BOW-BGWC-18	SM 2540C-2015	795387		
92683381019	BOW-BGWC-25	SM 2540C-2015	795387		
92683381020	BOW-AP1-FD-09	SM 2540C-2015	795387		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683381021	BOW-AP1-FB-14	SM 2540C-2015	795387		
92683381022	BOW-BGWC-19	SM 2540C-2015	795387		
92683381023	BOW-BGWC-20	SM 2540C-2015	795387		
92683381024	BOW-BGWC-31	SM 2540C-2015	795387		
92683381025	BOW-BGWC-32	SM 2540C-2015	795387		
92683381026	BOW-BGWC-34D	SM 2540C-2015	795987		
92683381027	BOW-BGWC-40	SM 2540C-2015	795987		
92683381028	BOW-AP1-FB-15	SM 2540C-2015	795387		
92683381029	BOW-BGWA-33	SM 2540C-2015	795987		
92683381030	BOW-BGWA-2	SM 2540C-2015	795987		
92683381031	BOW-BGWC-21	SM 2540C-2015	795987		
92683381032	BOW-BGWC-23	SM 2540C-2015	796832		
92683381033	BOW-BGWC-22	SM 2540C-2015	795987		
92683381034	BOW-BGWC-30	SM 2540C-2015	795987		
92683381035	BOW-BGWC-39	SM 2540C-2015	796832		
92683381036	BOW-BGWC-41D	SM 2540C-2015	796832		
92683381037	BOW-BGWC-43D	SM 2540C-2015	796832		
92683381038	BOW-BGWC-36D	SM 2540C-2015	795987		
92683381039	BOW-BGWC-38D	SM 2540C-2015	795987		
92683381040	BOW-AP1-FD-11	SM 2540C-2015	796832		
92683381041	BOW-AP1-FB-18	SM 2540C-2015	796832		
92683381042	BOW-AP1-EB-04	SM 2540C-2015	796395		
92683381043	BOW-BGWC-49D	SM 2540C-2015	795987		
92683381044	BOW-BGWC-52	SM 2540C-2015	795987		
92683381045	BOW-AP1-FB-17	SM 2540C-2015	795987		
92683381046	BOW-AP1-EB-03	SM 2540C-2015	795987		
92683381047	BOW-BGWC-51	SM 2540C-2015	795987		
92683381048	BOW-AP1-FD-10	SM 2540C-2015	795987		
92683381049	BOW-AP1-FB-16	SM 2540C-2015	795987		
92683381050	BOW-AP1-EB-02	SM 2540C-2015	795987		
92683381051	BOW-BGWC-24	SM 2540C-2015	796832		
92683381052	BOW-BGWC-35D	SM 2540C-2015	796832		
92683381053	BOW-BGWC-37D	SM 2540C-2015	796832		
92683381054	BOW-BGWC-42D	SM 2540C-2015	796832		
92683381055	BOW-AP1-FB-19	SM 2540C-2015	796832		
92683381056	BOW-AP1-EB-05	SM 2540C-2015	796832		
92683381057	BOW-AP1-FB-20	SM 2540C-2015	796832		
92683381009	BOW-AP1-FB-13	EPA 7470A	798693	EPA 7470A	799061
92683381010	BOW-BGWC-50D	EPA 7470A	798693	EPA 7470A	799061
92683381011	BOW-AP1-FD-08	EPA 7470A	798693	EPA 7470A	799061
92683381012	BOW-AP1-FB-12	EPA 7470A	798693	EPA 7470A	799061
92683381013	BOW-BGWC-7	EPA 7470A	798693	EPA 7470A	799061
92683381014	BOW-BGWC-9	EPA 7470A	798693	EPA 7470A	799061

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683381015	BOW-BGWC-10	EPA 7470A	798693	EPA 7470A	799061
92683381016	BOW-BGWC-16	EPA 7470A	798693	EPA 7470A	799061
92683381017	BOW-BGWC-17	EPA 7470A	798693	EPA 7470A	799061
92683381018	BOW-BGWC-18	EPA 7470A	798693	EPA 7470A	799061
92683381019	BOW-BGWC-25	EPA 7470A	798693	EPA 7470A	799061
92683381020	BOW-AP1-FD-09	EPA 7470A	798693	EPA 7470A	799061
92683381021	BOW-AP1-FB-14	EPA 7470A	798693	EPA 7470A	799061
92683381022	BOW-BGWC-19	EPA 7470A	798693	EPA 7470A	799061
92683381023	BOW-BGWC-20	EPA 7470A	798693	EPA 7470A	799061
92683381024	BOW-BGWC-31	EPA 7470A	798693	EPA 7470A	799061
92683381025	BOW-BGWC-32	EPA 7470A	798693	EPA 7470A	799061
92683381026	BOW-BGWC-34D	EPA 7470A	798693	EPA 7470A	799061
92683381027	BOW-BGWC-40	EPA 7470A	798693	EPA 7470A	799061
92683381028	BOW-AP1-FB-15	EPA 7470A	798693	EPA 7470A	799061
92683381029	BOW-BGWA-33	EPA 7470A	798694	EPA 7470A	799060
92683381030	BOW-BGWA-2	EPA 7470A	798694	EPA 7470A	799060
92683381031	BOW-BGWC-21	EPA 7470A	798694	EPA 7470A	799060
92683381032	BOW-BGWC-23	EPA 7470A	798694	EPA 7470A	799060
92683381033	BOW-BGWC-22	EPA 7470A	798694	EPA 7470A	799060
92683381034	BOW-BGWC-30	EPA 7470A	798694	EPA 7470A	799060
92683381035	BOW-BGWC-39	EPA 7470A	798694	EPA 7470A	799060
92683381036	BOW-BGWC-41D	EPA 7470A	798694	EPA 7470A	799060
92683381037	BOW-BGWC-43D	EPA 7470A	798694	EPA 7470A	799060
92683381038	BOW-BGWC-36D	EPA 7470A	798694	EPA 7470A	799060
92683381039	BOW-BGWC-38D	EPA 7470A	798694	EPA 7470A	799060
92683381040	BOW-AP1-FD-11	EPA 7470A	798694	EPA 7470A	799060
92683381041	BOW-AP1-FB-18	EPA 7470A	798694	EPA 7470A	799060
92683381042	BOW-AP1-EB-04	EPA 7470A	798694	EPA 7470A	799060
92683381043	BOW-BGWC-49D	EPA 7470A	798694	EPA 7470A	799060
92683381044	BOW-BGWC-52	EPA 7470A	798694	EPA 7470A	799060
92683381045	BOW-AP1-FB-17	EPA 7470A	798694	EPA 7470A	799060
92683381046	BOW-AP1-EB-03	EPA 7470A	798694	EPA 7470A	799060
92683381047	BOW-BGWC-51	EPA 7470A	798694	EPA 7470A	799060
92683381048	BOW-AP1-FD-10	EPA 7470A	798694	EPA 7470A	799060
92683381049	BOW-AP1-FB-16	EPA 7470A	798695	EPA 7470A	799059
92683381050	BOW-AP1-EB-02	EPA 7470A	798695	EPA 7470A	799059
92683381051	BOW-BGWC-24	EPA 7470A	798695	EPA 7470A	799059
92683381052	BOW-BGWC-35D	EPA 7470A	798695	EPA 7470A	799059
92683381053	BOW-BGWC-37D	EPA 7470A	798695	EPA 7470A	799059
92683381054	BOW-BGWC-42D	EPA 7470A	798695	EPA 7470A	799059
92683381055	BOW-AP1-FB-19	EPA 7470A	798695	EPA 7470A	799059
92683381056	BOW-AP1-EB-05	EPA 7470A	798695	EPA 7470A	799059
92683381057	BOW-AP1-FB-20	EPA 7470A	798695	EPA 7470A	799059
92683381001	BOW-BGWA-29	EPA 300.0 Rev 2.1 1993	794766		
92683381002	BOW-BGWA-48D	EPA 300.0 Rev 2.1 1993	794766		
92683381003	BOW-BGWC-8	EPA 300.0 Rev 2.1 1993	794766		
92683381004	BOW-BGWC-12	EPA 300.0 Rev 2.1 1993	794766		

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683381005	BOW-BGWC-14A	EPA 300.0 Rev 2.1 1993	794766		
92683381006	BOW-BGWA-47D	EPA 300.0 Rev 2.1 1993	794766		
92683381007	BOW-BGWA-6	EPA 300.0 Rev 2.1 1993	794766		
92683381008	BOW-BGWC-44D	EPA 300.0 Rev 2.1 1993	794766		
92683381009	BOW-AP1-FB-13	EPA 300.0 Rev 2.1 1993	794766		
92683381010	BOW-BGWC-50D	EPA 300.0 Rev 2.1 1993	794766		
92683381011	BOW-AP1-FD-08	EPA 300.0 Rev 2.1 1993	794766		
92683381012	BOW-AP1-FB-12	EPA 300.0 Rev 2.1 1993	794766		
92683381013	BOW-BGWC-7	EPA 300.0 Rev 2.1 1993	795066		
92683381014	BOW-BGWC-9	EPA 300.0 Rev 2.1 1993	795066		
92683381015	BOW-BGWC-10	EPA 300.0 Rev 2.1 1993	795066		
92683381016	BOW-BGWC-16	EPA 300.0 Rev 2.1 1993	795066		
92683381017	BOW-BGWC-17	EPA 300.0 Rev 2.1 1993	795066		
92683381018	BOW-BGWC-18	EPA 300.0 Rev 2.1 1993	795066		
92683381019	BOW-BGWC-25	EPA 300.0 Rev 2.1 1993	795066		
92683381020	BOW-AP1-FD-09	EPA 300.0 Rev 2.1 1993	795339		
92683381021	BOW-AP1-FB-14	EPA 300.0 Rev 2.1 1993	795339		
92683381022	BOW-BGWC-19	EPA 300.0 Rev 2.1 1993	795339		
92683381023	BOW-BGWC-20	EPA 300.0 Rev 2.1 1993	795339		
92683381024	BOW-BGWC-31	EPA 300.0 Rev 2.1 1993	795339		
92683381025	BOW-BGWC-32	EPA 300.0 Rev 2.1 1993	795339		
92683381026	BOW-BGWC-34D	EPA 300.0 Rev 2.1 1993	795339		
92683381027	BOW-BGWC-40	EPA 300.0 Rev 2.1 1993	795339		
92683381028	BOW-AP1-FB-15	EPA 300.0 Rev 2.1 1993	795339		
92683381029	BOW-BGWA-33	EPA 300.0 Rev 2.1 1993	795909		
92683381030	BOW-BGWA-2	EPA 300.0 Rev 2.1 1993	795909		
92683381031	BOW-BGWC-21	EPA 300.0 Rev 2.1 1993	795909		
92683381032	BOW-BGWC-23	EPA 300.0 Rev 2.1 1993	795909		
92683381033	BOW-BGWC-22	EPA 300.0 Rev 2.1 1993	795909		
92683381034	BOW-BGWC-30	EPA 300.0 Rev 2.1 1993	795909		
92683381035	BOW-BGWC-39	EPA 300.0 Rev 2.1 1993	795909		
92683381036	BOW-BGWC-41D	EPA 300.0 Rev 2.1 1993	795909		
92683381037	BOW-BGWC-43D	EPA 300.0 Rev 2.1 1993	795909		
92683381038	BOW-BGWC-36D	EPA 300.0 Rev 2.1 1993	795909		
92683381039	BOW-BGWC-38D	EPA 300.0 Rev 2.1 1993	795909		
92683381040	BOW-AP1-FD-11	EPA 300.0 Rev 2.1 1993	795909		
92683381041	BOW-AP1-FB-18	EPA 300.0 Rev 2.1 1993	795909		
92683381042	BOW-AP1-EB-04	EPA 300.0 Rev 2.1 1993	795915		
92683381043	BOW-BGWC-49D	EPA 300.0 Rev 2.1 1993	795915		
92683381044	BOW-BGWC-52	EPA 300.0 Rev 2.1 1993	795915		
92683381045	BOW-AP1-FB-17	EPA 300.0 Rev 2.1 1993	795915		
92683381046	BOW-AP1-EB-03	EPA 300.0 Rev 2.1 1993	795915		
92683381047	BOW-BGWC-51	EPA 300.0 Rev 2.1 1993	795915		
92683381048	BOW-AP1-FD-10	EPA 300.0 Rev 2.1 1993	795915		
92683381049	BOW-AP1-FB-16	EPA 300.0 Rev 2.1 1993	795915		
92683381050	BOW-AP1-EB-02	EPA 300.0 Rev 2.1 1993	795915		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1

Pace Project No.: 92683381

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683381051	BOW-BGWC-24	EPA 300.0 Rev 2.1 1993	796480		
92683381052	BOW-BGWC-35D	EPA 300.0 Rev 2.1 1993	796480		
92683381053	BOW-BGWC-37D	EPA 300.0 Rev 2.1 1993	796480		
92683381054	BOW-BGWC-42D	EPA 300.0 Rev 2.1 1993	796480		
92683381055	BOW-AP1-FB-19	EPA 300.0 Rev 2.1 1993	796480		
92683381056	BOW-AP1-EB-05	EPA 300.0 Rev 2.1 1993	796480		
92683381057	BOW-AP1-FB-20	EPA 300.0 Rev 2.1 1993	796480		

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DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2021

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name:

G A Power

Project #:

WO#: 92683381

Carrier: Fed Ex UPS USPS Client Commercial Pace Other: _____



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents *8/15/23*

Packing Material: Bubble Wrap Bubble Bags Foam Other: _____

Biological Tissue Frozen? Yes No N/A

Thermometer: N/A ID: 230 Type of Ice: Wet Blue None

Cooler Temp: 2.1 Correction Factor: Add/Subtract: 0.0 °C

Temp should be above freezing to 5°C Sample out of temp or a sample on ice cooling process has begun

Cooler Temp Corrected [°C]: 2.1

USDA Regulated Soil N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dispensed analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match CDC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <i>W</i>	
Headspace in NDA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

WO#: 92683381

Project #

PH: BV

Due Date: 08/01/23

CLIENT: 92-GP-BOWLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, FOC, Oil and Grease, D60/B015 (water), DOC, Uhg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorite

Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (C-)													
QP30-250 mL Plastic Unpreserved (N/A)													
QP20-500 mL Plastic Unpreserved (N/A)													
BP30-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (C+)													
BP3N-250 mL Plastic HNO3 (pH < 2)													
BP4E-125 mL Plastic 2N Acetate & NaOH (>8)													
BP4B-125 mL Plastic NaOH (pH > 12) (C-)													
WGFL-Wide-mouthed Glass Jar Unpreserved													
AQ10-1 liter Amber Unpreserved (N/A) (C-)													
AQ2H-1 liter Amber HD (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (C-)													
AG15-1 liter Amber B-250M (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
DG9M-10 mL Amber N-44Cl (N/A)(C-)													
DG9H-10 mL VOA HCl (N/A)													
VG9T-40 mL VOA Na2SO3 (N/A)													
VG9U-40 mL VOA Unpreserved (N/A)													
DK9H-10 mL VOA H3PO4 (N/A)													
RP7U-50 mL Plastic Unpreserved (N/A)													
V7BK (3 vials per kit) V7H/Gas kit (N/A)													
SP13-125 mL Sterile Plastic (N/A - ab)													
SP2F-250 mL Sterile Plastic (N/A - lab)													
	APIN												
BP3B-250 mL Plastic (N/A) 2504 (9-3-9-7)													
AG6U-100 mL Amber Unpreserved (N/A) (C-)													
V56M-20 mL Scrubbing Wals (N/A)													
DG9U-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliant samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, *OC, Oil and Grease, DRD/BO15 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92683381

PH: BV

Due Date: 09/01/23

CLIENT: 92-GP-BOWLF

Item #	Container	1	2	3	4	5	6	7	8	9	10	11	12
BP46	225 mL Plastic Unpreserved (N/A) (Cl)												
BP50	250 mL Plastic Unpreserved (N/A)												
BP20	500 mL Plastic Unpreserved (N/A)												
BP11	1 liter Plastic Unpreserved (N/A)												
BP45	125 mL Plastic H2SO4 (pH < 2) (Cl)												
BP31	250 mL plastic HNO3 (pH < 2)												
BP42	125 mL Plastic 2N Acetate R. NaOx (x9)												
BP48	125 mL Plastic NaOH (pH > 12) (Cl)												
UG71	Unbleached Glass Jar Unpreserved												
AG11	1 liter Amber Unpreserved (N/A) (Cl)												
AG14	1 liter Amber HCl (pH < 2)												
AG31	250 mL Amber Unpreserved (N/A) (Cl)												
AG15	1 liter Amber H2SO4 (pH < 2)												
AG35	250 mL Amber H2SO4 (pH < 2)												
DG94	40 mL Amber NHA2 (N/A)(Cl)												
DG96	40 mL VOA HCl (N/A)												
VG87	40 mL VOA Na2SO3 (N/A)												
VG91	40 mL VOA Unpreserved (N/A)												
DG99	40 mL VOA H3PO4 (N/A)												
BP71	50 mL Plastic Unpreserved (N/A)												
VF61	3 vials per kit V7-4(Gas kit) (N/A)												
SP51	125 mL Sterile P acid (N/A - 40)												
SP21	250 mL Sterile Plastic (N/A - 40)												
BP34	250 mL Plastic NH2SO4 (9.5-9.7)												
AG44	100 mL Amber Unpreserved (N/A) (Cl)												
VG61	20 mL Sclintation vials (N/A)												
DG81	40 mL Amber Unpreserved vials (N/A)												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina O&ER Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



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Page: 1 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Service Information:	
Company: Georgia Power		Report To: Kevin Anshie, Anthony Street		Address:	
Address: 241 Ralph McGill Blvd. NE		Copy To: Laura McGill, Ben Hodges, Mike Smiley		Company Name: Georgia Power	
Atlanta, GA 30308		North Georgia		Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308	
Email: kmyr@ge.com		Purchase Order #: GPC030704067		Pace Order:	
Phone: (478) 247-0608 Fax:		Project Name: Bowen AP-1		Pace Project Manager: bonnie.hodges@paceanalytical.com	
Requested Due Date: Standard		Project #:		Pace Project #: 10644-6 (10617) - 7-6-13	

ITEM #	SAMPLE ID One Character per box. A-Z, 0-9, -, / Sample IDs must be unique	MATRIX Drinking Water Tap Process Water Wastewater Other	TYPE DW TW PW WW OT	MATERIALS (See only water in MW)	SAMPLE TYPE (See only Conductivity)	COLLECTED		SAMPLE TEMP AT COLLECTION	PRETREATIVES									ROUNDBAL CHLORINE (CM)								
						DATE	TIME		# of Containers	Unpreserved	H2SO4	HNO3	HCl	H2O2	H2O2/30%	Ascorbic Acid	Other		Ag+ (100 ppm)	Ag+ (100 ppm)	Ag+ (100 ppm)	Ag+ (100 ppm)	Ag+ (100 ppm)			
1	BOW-BGWA-2		G																							
2	BOW-BGWA-21		D			5/2/13	1100		5	2	3													0221		
3	BOW-BGWA-23		D																							
4	BOW-BGWA-47D		D																							
5	BOW-BGWA-48D		D			5/2/13	1103		5	2	3														022	
6	BOW-BGWA-7		G																							
7	BOW-BGWA-8		L			5/2/13	1432		5	2	3															023
8	BOW-BGWA-8		G																							
9	BOW-BGWA-10		G																							
10	BOW-BGWA-12		G			5/2/13	1429		5	2	3															024
11	BOW-BGWA-14A		G			5/2/13	1300		5	2	3															025
12	BOW-BGWA-18		G																							

ANALYTICAL REQUEST	ANALYST	DATE	TIME	LAB	INSTRUMENT	TECHNICIAN	DATE	TIME
	Kevin Anshie	5/2/13	1430	1630	Pace Analytical	Kevin Anshie	5/2/13	1432
	Ryan Williams	5/2/13	1630	1630	Pace Analytical	Charles Hinkle	5/2/13	1630

RECEIVED BY: NAME: Kevin Anshie, Wylene Lasker, Meredith Duron SIGNATURE: DATE: 5/2/13 TIME: 1432	RECEIVED BY: NAME: Ryan Williams SIGNATURE: DATE: 5/2/13 TIME: 1630
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Page: 1 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Analytical Information:	
Company: <u>George Power</u>	Address: <u>241 Ralph McGill Blvd NE, Atlanta, GA 30308</u>	Project No.: <u>02080678-0001</u>	Company Name: <u>George Power</u>	Address: <u>241 Ralph McGill Blvd NE, Atlanta, GA 30308</u>	
Phone: <u>(478) 217-0608</u>	Fax: <u></u>	Project Name: <u>Brown AP-1</u>	Project Manager: <u></u>	Phase #:	
Contract Start Date: <u>Standard</u>	Project #:	Phase #:	<u>1094-3</u>		

ITEM #	SAMPLE ID One Character per box. (ALZ 047 . . .) Sample IDs must be unique	MATERIAL CODE (see user codes in M0)	CONTAINER TYPE	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES										Retention (Container Type)									
				DATE	TIME		Unpreserved	HCl	NaOH	H2SO4	Methanol	Other	App. RT - 10 Mins	DL F. BOX	TOP	RAD		Methanol								
																			5	2	3	X	X	X	X	X
1	ROW-8GWA-2	WG	D																							
2	BOW-8GWA-29	WG	C																							
3	BOW-8GWA-31	WG	C																							
4	BWA-8GWA-170	WG	C	8/15/23	1304		5	2	3																	
5	BOW-8GWA-40	WG	D																							
6	BOW-8GWA-7	WG	D																							
7	BOW-8GWA-6	WG	C																							
8	BOW-8GWA-4	WG	C																							
9	BOW-8GWA-10	WG	C																							
10	BOW-8GWA-12	WG	C																							
11	BOW-8GWA-14A	WG	C																							
12	BOW-8GWA-10	WG	D																							

ANALYST	ANALYST COMPANY	ANALYST ADDRESS	ANALYST PHONE	ANALYST SIGNATURE	ANALYST DATE	ANALYST TIME
<u>Ryan William / Pace</u>	<u>Pace</u>	<u>1432</u>	<u>1432</u>	<u>Ryan William / Pace</u>	<u>8/15/23</u>	<u>1437</u>
<u>Ryan William / Pace</u>	<u>Pace</u>	<u>1432</u>	<u>1432</u>	<u>Charles Hester</u>	<u>8/17/23</u>	<u>1630</u>

PREPARED BY: <u>W.A.H.</u> REVIEWED BY: <u>W.A.H.</u> DATE: <u>8/15/23</u>	RECEIVED BY: <input type="checkbox"/> (Y/N)	DATE: <u>8/15/23</u>
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Page: 2 Of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Required Information:	
Company: George Power		Report To: Richard Judice, Anthony Squire		Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308	
Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308		Copy To: Laura Skidell, Ben Hodges, Mike Brody		Company Name: George Power	
Phone: (470) 217-0008 Fax: (470) 217-0009		Purchase Order #: BPC22A04-0007		Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308	
Employee Due Date: Standard		Project Name: Seven AP's		Pace Project Manager: bws@info.pacelabs.com	
		Project #:		Pace Profile #: 10644-0	

ITEM #	SAMPLE ID One Character per box (A-Z, 0-9, -) Sample IDs must be unique	MATERIAL	QTY	UNIT	ANALYSIS CODE (See code system in MFR)	SAMPLE TYPE	CAPACITY	COLLECTED		SAMPLE TIME AT COLLECTION	# OF CONTAINERS	PRESERVED							REFRIGERATED (Y/N)	REPRODUCIBILITY (Y/N)	REFUSED (Y/N)							
								DATE	TIME			UNPRESERVED	H2SO4	HClO4	HCl	HNO3	H2O2	H2S				Other	Asb	Pb	Cd	Cr	Se	
12	BOVA-BGWC-17	WG	0													X	X	X	X									pl
13	BOVA-BGWC-18	WG	0													X	X	X	X									pl
14	BOVA-BGWC-19	WG	0													X	X	X	X									pl
15	BOVA-BGWC-20	WG	0													X	X	X	X									pl
16	BOVA-BGWC-21	WG	0													X	X	X	X									pl
17	BOVA-BGWC-22	WG	0													X	X	X	X									pl
18	BOVA-BGWC-23	WG	0													X	X	X	X									pl
19	BOVA-BGWC-24	WG	0													X	X	X	X									pl
20	BOVA-BGWC-25	WG	0													X	X	X	X									pl
21	BOVA-BGWC-26	WG	0													X	X	X	X									pl
22	BOVA-BGWC-27	WG	0													X	X	X	X									pl
23	BOVA-BGWC-28	WG	0					8/15/23	1329			5	2	3		X	X	X	X									pl 102
24	BOVA-BGWC-31	WG	0													X	X	X	X									pl

ANALYTICAL COMMENTS	ANALYZED BY	DATE	TIME	PREPARED BY	DATE	TIME	REMARKS
FOR CODE: BOVA-COR-REBERT-26282	<i>Reynolds Stephens</i>	8/15/23	1452	<i>Ryan Williams / Pace</i>	8/17/23	1432	
	<i>Ryan Williams / Pace</i>	9/12/23	1620	<i>Charles Hester - Pace</i>	8/17/23	1630	

ANALYZED WORK AND SAMPLES: FROM: NAME OF SAMPLE: Kevin MacFarland, William Lister, Myranda Guncion RECEIVED AT: <i>WR</i> DATE: <i>8/15/23</i>	TEMP IN C Received on: <i>8/15/23</i> Lab: <i>2101</i> Quality Control: <i>OK</i> Sample: <i>OK</i> Analysis: <i>OK</i>
--	---



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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Georgia Power	Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308	Report To: Kristen Jurina, Anthony Szewal	Copy To: Louis NOME, Ben Hodges, Mike Bailey, Novaia Ganga	Account: Atlanta	Company Name: Georgia Power
Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308	Email: kjurina@ge.com	Purchase Order #: QPC6874-0007	Project Name: Down Fall-1	Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308	Project Name: Down Fall-1
Phone: 404-372-4000	Fax:	Requested Due Date: Standard	Project #:	Project Manager: tonnie.smyth@pcc.com	Project Profile #: 10000-c

ITEM #	SAMPLE ID See Operator per box. A-Z, 0-9, + Sample IDs must be unique	MATERIAL Drinking Water Water Waste Water Process Leachate Oil Air Sludge Paper	CODE WW WT WW WV WV WV WV WV WV WV WV	MATRIX CODE (see also notes to V2)	SAMPLE TYPE (see also V2)	COLLECTED DATE TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES								TESTS	ANALYSIS REQUESTED	REMARKS/CONTAINER #			
									UNPRESERVED	HCL	NaOH	HW3	HCl	NaCl	Na2S2O3	Aspirated				Other	Asp. Lit. N Method	CLP, BDL	TDS	PAD ATTENUE
26	BOW-BGWC-32	WG	G												X	X	X	X				pH
27	BOW-BGWC-34D	WG	G												X	X	X	X				pH
28	BOW-BGWC-35D	WG	G												X	X	X	X				pH
29	BOW-BGWC-36D	WG	G												X	X	X	X				pH
30	BOW-BGWC-37D	WG	G												X	X	X	X				pH
31	BOW-BGWC-38D	WG	G												X	X	X	X				pH
32	BOW-BGWC-39	WG	G												X	X	X	X				pH
33	BOW-BGWC-40	WG	G												X	X	X	X				pH
34	BOW-BGWC-41B	WG	G												X	X	X	X				pH
35	BOW-BGWC-42D	WG	G												X	X	X	X				pH
36	BOW-BGWC-43D	WG	G												X	X	X	X				pH
37	BOW-BGWC-44D	WG	G	8/15/23	1108			5	2	3					X	X	X	X				pH: 006

ANALYTICAL COMPONENTS	ANALYSIS METHOD	DATE	TIME	ACCEPTED BY/ANALYST	DATE	TIME	SAMPLE CONDITION
As Data, BOW CON ASMT, 26292	Kristen Szewal	8/15/23	1450	Kristen Williams / Pace	7/16/23	1432	
	Kristen Williams / Pace	8/17/23	1630	Charles Hanks	8/17/23	1630	

LABORATORY NAME AND SIGNATURE
 PRINT NAME OF OPERATOR: Kevin Branagan, Megan Lash, Meredith Duncan

SIGNATURE OF SAMPLE: [Signature] **DATE SAMPLE:** 8/15/23

TEMP etc: Reserved for Use (VW) Capacity Residual Cooler VIAL Samples Tracks (TBY)



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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: <u>Georgia Power</u>	Report To: <u>Kristen Jurisko-Jarabek-Sheals</u>	Account #:	Company Name: <u>Georgia Power</u>	Address: <u>241 Ralph McGill Blvd NE, Atlanta, GA 30308</u>	State: <u>GA</u>
Address: <u>241 Ralph McGill Blvd NE</u>	Copy To: <u>Laura Mitchell, Ben Hopper, Mike Stanley</u>	Project Name: <u>NOVA-0001</u>	Address: <u>241 Ralph McGill Blvd NE, Atlanta, GA 30308</u>	City: <u>Atlanta, GA</u>	Country: <u>USA</u>
City/State: <u>GA 30308</u>	<u>NoVA-Corp</u>	Project #:	Phone: <u>(404) 217-0006</u>	Zip: <u>30308</u>	Phone Fax: <u>(404) 217-0006</u>
Email: <u>inquiry@paceusa.com</u>	Purchase Order #: <u>GPC23474-0047</u>	Project #:	Project Manager: <u>lori@paceusa.com</u>	Project #:	Project #:
Phone: <u>(404) 217-0006</u>	Project Name: <u>Spain AP-1</u>	Project #:	Post Office #: <u>30348-3</u>	Project #:	Project #:
Requested Date: <u>Standard</u>	Project #:	Project #:	Project #:	Project #:	Project #:

ITEM #	SAMPLE ID One Character per test. (A-Z, 0-9, -)	One Character per test. (A-Z, 0-9, -)	Sample ID must be unique	MATERIAL TYPE (S-ORIG/MS-COMPOSITE)	COLLECTED	SAMPLE TYPE AT COLLECTION	PRESERVED ANALYSIS METHOD (Y/N)										National Chain (Y/N)		
							UV	IR	GC/MS	GC	GC/MS	GC/MS	GC/MS	GC/MS	GC/MS	GC/MS		GC/MS	GC/MS
37	BOW-BQWC-89D			WG G			X	X	X	X									
38	BOW-BQWC-90D			WG G			X	X	X	X									
39	BOW-BQWC-51			WG G			X	X	X	X									
40	BOW-BQWC-32			WG G			X	X	X	X									
41	BOW-AP1-FD-08			WG G			X	X	X	X									
42	BOW-AP1-FD-09			WG G			X	X	X	X									
43	BOW-AP1-FD-10			WG G			X	X	X	X									
44	BOW-AP1-FD-11			WG G			X	X	X	X									
45	BOW-AP1-FB-13			WG G	B34323	1545					X	X	X	X					6129
46	BOW-AP1-FB			WG U							X	X	X	X					
47	BOW-AP1-FB			WG G							X	X	X	X					
48	BOW-AP1-FB			WG G							X	X	X	X					

ITEM #	DESCRIPTION OF SAMPLE	DATE	TIME	INITIALED BY	LOCATION	DATE	TIME	INITIALED BY	LOCATION
48	BOW-AP1-FB-13	4/12/23	14:52	Ryan Williams	Pace	4/12/23	14:52	Ryan Williams	Pace
		4/12/23	16:30	Charles Hunter	Pace	4/12/23	16:30	Charles Hunter	Pace

RECEIVED BY: <u>[Signature]</u> NAME: <u>Ryan Williams</u> TITLE: <u>Project Manager</u>	RECEIVED BY: <u>[Signature]</u> NAME: <u>Charles Hunter</u> TITLE: <u>Project Manager</u>	DATE/TIME: <u>4/12/23 14:52</u> DATE/TIME: <u>4/12/23 16:30</u>	RECEIVED BY: <u>[Signature]</u> NAME: <u>[Name]</u> TITLE: <u>[Title]</u>	RECEIVED BY: <u>[Signature]</u> NAME: <u>[Name]</u> TITLE: <u>[Title]</u>
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Section A Requester Client Information:		Section B Requested Project Information:		Section C Invoice Information:	
Company: Georgia Power	Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308	Report To: Kristen Jenkins, Anthony Covino	Copy To: Laura Madril, Ben Hosges, Nita Smiley Macon, Ga	Reference:	
Email: ajl@ge.com	Phone: (478)217-0806 Fax:	Purchase Order #: EPC83474-0007	Project Name: Power AP-1	Company Name: Georgia Power	Address: 241 Ralph McGill Blvd NE Atlanta GA 30308
Requested Due Date: Standard		Project #: 10344-0		Pace Quote:	
			Pace Project Manager: bcr@ge.com		
			Pace Profile #: 10344-0		

ITEM #	SAMPLE ID <small>One character per box. (A-Z, 0-9, -) Display only actual box numbers</small>	MATERIAL CODE <small>See sub-sample # in #18</small>	DATE	TIME	COLLECTED BY <small># OF COMPONENTS</small>	PRESERVATIVES							REMARKS <small>(OPTIONAL)</small>		
						UNPRESERVED	H2SO4	HNO3	HCl	HF	HF/NO3	HF/SO3		Others	
35	BCW-BQWC-00	WC-C									X	X	X	X	
36	BCW-BQWC-00	WC-C	8/15/23	1525	5	2	3				X	X	X	X	PH: 5.10
37	BCW-BQWC-01	WC-C									X	X	X	X	PH:
38	BCW-BQWC-02	WC-C									X	X	X	X	PH:
39	BCW-AP1-FD-08	WC-C	8/15/23	-	5	2	3				X	X	X	X	PH: 5.11
40	BCW-AP1-FD-09	WC-C									X	X	X	X	
41	BCW-AP1-FD-10	WC-C									X	X	X	X	
42	BCW-AP1-FD-11	WC-C									X	X	X	X	
43	BCW-AP1-FD-12	WC-C	8/15/23	1540	5	2	3				X	X	X	X	PH: 6.12
44	BCW-AP1-FB	WC-C									X	X	X	X	
45	BCW-AP1-GB	WC-C									X	X	X	X	

ADDITIONAL COMMENTS	REMOVED BY (TYPE/DATE)	DATE	TIME	ACCEPTED BY (TYPE/DATE)	DATE	TIME	SAMPLE COMMENTS
Lab Code: BCW-CCR-658MT-282153	Ryan Williams / Pace 8/17/23 1452	8/15/23	1532	Ryan Williams / Pace 8/17/23 1630	8/17/23	1532	
				Charles Healy	8/17/23	1630	

SAMPLE NAME AND SIGNATURE Ryan Williams, Kristen Jenkins, Anthony Covino		TEMP IN C
SIGNATURE OF ANALYST: <i>W.H. 2/2</i>		RECEIVED BY (NAME):
DATE: 8/15/23		LABORATORY (NAME):
		PROJECT (NAME):
		CLIENT (NAME):



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Data Required

Client Name: G-M Power

Project # **WO# : 92683381**

Carrier: Fed Ex UPS USPS Other Client
 Commercial Face Other:

PN: 09 Due Date: 09/01/23
CLIENT: 92-GP-80WLF

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-24-23 A

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Issues/Frozen? Yes No N/A

Thermometer: Max Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 4 Correction Factor: Add/Subtract (°C) 0.0
Cooler Temp Corrected (°C): 4

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil? N/A, water sample
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source internationally, including Hawaii and Puerto Rico? Yes No

Chain of Custody Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	1.	Comments/Discrepancy:
Samples Arrived within Hold Time?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	2.	
Short Hold time Analysis (<72 hr.)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	3.	
Rush Turn Around Time Requested?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	4.	
Sufficient Volume?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	5.	
Correct Containers Used?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	6.	
Pace Containers Used?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	7.	
Containers Intact?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	8.	
Exposed analysis. Samples Field Filtered?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	9.	
Sample Labels Match COC?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>		
Includes Date/Time/ID/Analysis Matrix			<u>WG</u>
Headspace in VOA Vials (>5-6mm)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	10.	
Trip Blank Present?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	11.	
Trip Blank Custody Seals Present?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92683381

Project #

PM: BV

Due Date: 09/01/23

CLIENT: 92-GP-BOWLF

Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Options: VOA, Coliform, TOC, Cl₂ and Grease, DRD/BD15 (water) COC, Long

Bottom half of box is to list number of bottles

*Check all unpreserved Nitrates for chlorine

BP4U-125 mL Plastic Unpreserved (N/A) (C1)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4B-125 mL Plastic HDPE (pH < 2) (C1)	BP3B-250 mL Plastic HDPE (pH < 2)	BP2B-500 mL Plastic ZN Acetate % NaOH (C1)	BP1B-1 liter Plastic NaOH (pH > 12) (C1)	WGFU-Wide-necked Glass (not unpreserved)	AG1U-1 liter Amber Unpreserved (N/A) (C1)	AG1H-1 liter Amber (C1) (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C1)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG5B-50 mL Amber NaOH (N/A) (C1)	DC9H-40 mL VOA HCl (N/A)	W99T-10 mL VOA H2SO4 (N/A)	W99U-40 mL VOA Unpreserved (N/A)	DC9V-10 mL VOA H3PO4 (N/A)	BP7U-50 mL Plastic Unpreserved (N/A)	V76K-18 vials per kit vial (C1) (N/A)	SP5T-125 mL Sterile Plastic (N/A) - (Sb)	SP2T-250 mL Sterile Plastic (N/A) - (Sb)	BP3B-250 mL Plastic HDPE (H2SO4) (S, S, S, S)	AG9U-100 mL Amber Unpreserved (N/A) (C1)	W5GU-20 mL Sediment vial (N/A)	DC9U-60 mL Amber Unpreserved vial (N/A)		

B.P.I.W.

2-2-23

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hole, incorrect preservative, out of temp, Involved containers)



CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubspot-standards-forms-coc>.

Page: 1 of 4

Section A Requester Client Information:		Section B Requested Project Information:		Section C Analyte Information:	
Company: Georgia Power		Reason For: Kristan Lukins, Anthony Evers		Analyte:	
Address: 241 Ralph McGill Blvd NE Atlanta, GA 30309		Copy To: Laura Miller, Ben Hodges, Mike Embrey Noel & Gang		Company Name: Georgia Power	
Email: kristan.lukins@ge.com		Purchase Order #: GPC61874-0067		Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30309	
Phone: (404) 247-0009 / ext		Project Name: Bowen NP-1		Pace Order #:	
Requested Due Date: Standard		Project #:		Pace Project Id group: bowen_np@ge.com	
				Pace Profile #: 10844-5	

ITEM #	SAMPLE ID <small>One Character per line 1428, 0-9, -, / Remains the same for unique</small>	MATERIAL CODE <small>1: Solid 2: Liquid 3: Gas 4: Soil 5: Sludge 6: Other</small>	DATE	TIME	MATERIAL QUANTITY <small>1: 100g 2: 10g 3: 1g 4: 10ml 5: 100ml 6: 1L</small>	# OF CONTAINERS	PRESERVED							ANALYTES	ANALYTES	ANALYTES	
							UNPRESERVED	HEBON	HWQ	HCI	HMOH	WASSTO3	WASSTO4				OTW	APR 10 x 10 MIN	CLP, BOM	TDG	RAD 8019933
1	BOW-BGWA-1	WG											X	X	X	X	
2	BOW-BGWA-2	WG											X	X	X	X	
3	BOW-BGWA-3	WG											X	X	X	X	
4	BOW-BGWA-4	WG											X	X	X	X	
5	BOW-BGWA-5	WG											X	X	X	X	
6	BOW-BGWA-6	WG	8/17/23	1058		5	2	3					X	X	X	X	0013
7	BOW-BGWA-7	WG											X	X	X	X	
8	BOW-BGWA-8	WG	8/17/23	1257		5	2	3					X	X	X	X	014
9	BOW-BGWA-9	WG	8/17/23	1119		5	2	3					X	X	X	X	015
10	BOW-BGWA-10	WG											X	X	X	X	
11	BOW-BGWA-11A	WG											X	X	X	X	
12	BOW-BGWA-12	WG	8/17/23	1115		5	2	3					X	X	X	X	016

41083801

0013

014

015

016

ANALYTES	ANALYTES	ANALYTES	ANALYTES	ANALYTES	ANALYTES
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

SAMPLE NAME AND SIGNATURE: WYNN WILLIAMS / PAUL DATE: 8/21/23 1055	SAMPLE NAME AND SIGNATURE: RYAN WILLIAMS / PAUL DATE: 8/21/23 1215	SAMPLE NAME AND SIGNATURE: WYNN WILLIAMS / PAUL DATE: 8/21/23 1056	SAMPLE NAME AND SIGNATURE: RYAN WILLIAMS / PAUL DATE: 8/21/23 1215
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DC# Title: ENV-FRM-MUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition upon Receipt

Client Name: G-A Power

Project #: **WO# : 92683381**

Courier: Fed Ex UPS USPS Other
 Commercial Pace Other

PM: BV Due Date: 08/01/23
CLIENT: 92-GP-BONLF

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Container: 8-24-23 AV

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: In Gun ID 083 Type of Ice: Wet Dry None

Cooler Temp: 91 Correction Factor: Add/Subtract (°C): 0.0

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun.

Cooler Temp Corrected (°C): 91
USDA Regulated Soil (N/A, water sample)
Did samples originate in a quarantine zone within the United States, CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match DC#?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix	<u>WG</u>	
Headspace in VOA Vials (55-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY _____ Field Data Required? Yes No

Lot ID of split containers _____

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCDRF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exception: VOA, Coliform, TDC, Oil and Grease, SW3/BOD5 (water), DOC, UHQ

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project:

WO# : 92683381

PH: BY

Due Date: 09/01/23

CLIENT: 92-GP-80MLF

Item #	Material	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)													
BP3U-250 mL Plastic Unpreserved (N/A)													
BP2U-500 mL Plastic Unpreserved (N/A)													
BP3U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)													
BP3M-750 mL Plastic HNO3 (pH < 2)													
BP4E-125 mL Plastic Zn Acetate & NaOH (pH)													
BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)													
W08M-VV de-ventilated Glass jar Unpreserved													
AG3U-1 liter Amber Unpreserved (N/A) (Cl-)													
AG3M-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (Cl-)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
DG9B-60 mL Amber HNO3 (N/A) (Cl-)													
DG9H-60 mL VOA HCl (N/A)													
V09T-40 mL VOA H2O2 (N/A)													
V09U-40 mL VOA Unpreserved (N/A)													
DG9V-40 mL VOA H3PO4 (N/A)													
KP7U-50 mL Indic Unpreserved (N/A)													
V/CK (3 vials per kit) VOA/Cl- (N/A)													
S45T-125 mL Sterile Plastic (N/A - 1st)													
S45T-250 mL Sterile Plastic (N/A - 1st)													
BP3R-250 mL Piquik (NH4)2SO4 (pH 9.7)													
AG6U-100 mL Amber Unpreserved (N/A) (Cl-)													
V49U-20 mL Transition vial (N/A)													
DG9U-60 mL Amber Unpreserved vial (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina GERR Certification Office if: Out of hold, incorrect preservative, out of temp, incorrect containers.



CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample to the chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at traps.pacelabs.com/subpages/analytical-request.pdf

Section A Requestor Contact Information		Section B Required Project Information		Section C Invoice Information	
Company: Georgia Power	Project To: William Lanker, Anthony Sowell	Attention:		Company Name: Georgia Power	
Address: 241 Ralph McGill Blvd NE	City To: Lititz, MD 21788, Miss Sewley	Use the Same		Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30326	
Atlanta, GA 30326	Purchase Order #: GPCSMY4488T	Face Quote		Pace Project Manager: terrika.virt@pacepdx.com	
Email: terrika.virt@pacepdx.com	Project Name: Bowen AP 1	Face Profile P: 10944-3		Requestor Signature:	
Phone: (478)217-6008 Fax:	Project #: 064			Requestor Signature:	
Requested Due Date: Standard				Requestor Signature:	

ITEM #	SAMPLE ID One Collector per Box. (AZ 047, 4) Sample IDs must be unique	Matrix Code (see matrix codes in left)	Sample Type (see sample types in left)	COLLECTED		Sample Temp at Collection	# of Containers	Preservatives								Retention Chain (TRM)		
				DATE	TIME			Unpreserved	HCl	HNO3	HCl	HNO3	H2SO4	H2O2	H2O		None	
13	BCW-B0WC-17	WGC	G	8/17/23	1250		5	2	3									92663301
14	BCW-B0WC-18	WGC	G	8/17/23	1445		5	2	3									017
15	BCW-B0WC-19	WGC	G															018
16	BCW-B0WC-20	WGC	G															
17	BCW-B0WC-21	WGC	G															
18	BCW-B0WC-22	WGC	G															
19	BCW-B0WC-23	WGC	G															
20	BCW-B0WC-24	WGC	G															
21	BCW-B0WC-25	WGC	G	8/17/23	1452		5	2	3									019
22	BCW-B0WC-26	WGC	G															
23	BCW-B0WC-27	WGC	G															
24	BCW-B0WC-28	WGC	G															

ADDITIONAL COMMENTS	ACQUIRED BY / AFFILIATION	DATE	TIME	ACQUIRED BY / AFFILIATION	DATE	TIME	REMARKS / COMMENTS
Lab Code: BCW-CCR-4588T-32282	William Lanker	8/24/23	1055	Lyan, William / Pace	8/21/23	1055	
	Lyan, William / Pace	8/16/23	1216	Lyan, William / Pace	8/21/23	1216	

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SIGNATURE OF SUPPLIER: <u>William Lanker</u>		DATE SIGNED: <u>8/17/23</u>	
SIGNATURE OF ANALYST: <u>Kevin Strickland</u>		DATE SIGNED: <u>8/21/23</u>	



Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name: G-A Power

Project #

WO#: **92683381**

PH: BV Due Date: 09/01/23
CLIENT: 92-GP-00MLF

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-24-23 AB

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Samples Frozen? Yes No N/A

Thermometer: Calibration ID: 083 Type of Ice: Wet Dry None

Cooler Temp: 9.1 Correction Factor: Add/Subtract (°C): 0.0

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples or ice cooling process has begun

Cooler Temp Corrected (°C): 9.1

USDA Regulated Soil (N/A, water sample)

Did samples originate from a foreign source (international, including Alaska and Puerto Rico)? Yes No

Did samples originate in a quarantined zone within the United States (CA, NY, or SC (check maps)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Submittal Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Containers Intact?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.	
Sample Labels Match COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Includes Date/Time/ID/Analysis Matrix: <u>WG</u>			
Headspace in VOA vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot/ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCORP Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

WO#: 92683381

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PR: BY

Due Date: 09/01/23

Exceptions: VOA, Colorm, TOC, Oil and Grease, DRG/BD15 (water), DOC, UAs

CLIENT: 92-GP-BDMLF

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP01-125 mL Plastic Unpreserved (N/A) (C-)													
BP3U-250 mL Plastic Unpreserved (N/A)													
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
SP45-175 mL Plastic H2SO4 (pH < 2) (C-)													
BP3M-250 mL plastic HNO3 (pH < 2)													
SP4Z-125 mL Plastic 2N Acetate & NaOH (pH)													
BP4B-125 mL Plastic NaOH (pH > 12) (C-)													
VG7U-Wide-mouthed Glass jar Unpreserved													
AG3M-3 liter Amber Unpreserved (N/A) (C-)													
AG1M-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (C-)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG5S-250 mL Amber H2SO4 (pH < 2)													
DG9M-40 mL Amber NH4Cl (N/A) (C-)													
DG9H-40 mL VOA HCl (N/A)													
VG9T-40 mL VOA Na2SO3 (N/A)													
VG9U-40 mL VOA Unpreserved (N/A)													
DG9V-40 mL VOA H3PO4 (N/A)													
KP7U-50 mL Plastic Unpreserved (N/A)													
V29K (3 vials per lot) VPH Gas Air (N/A)													
SP5T-275 mL Sterile Plastic (N/A - 1q3)													
SP2E-250 mL Sterile Plastic (N/A - 4q3)													
BP3R-250 mL Plastic (NH2)2SO4 (pH < 9.7)													
AG0U-100 mL Amber Unpreserved (N/A) (C-)													
VG6U-20 mL Scintillation vials (N/A)													
DO3U-40 mL Amber Unpreserved vials (N/A)													

Handwritten signature/initials

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEP Regional Office (if out of NC). Incorrect preservative, out of temp, incorrect containers



CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://www.pacelabs.com/files/pace-standard-forms.pdf>

Page: 4 Of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Service Information:	
Company: Georgia Power Address: 241 Ralph McGill Blvd NE Atlanta, GA 30304 Email: bspurys@pacelabs.com Phone: (478)217-8000 Fax:		Report To: Briden Jurcho, Anthony Blease Copy To: Laura Madril, Ben Hodges, Mike Straley Mailing Office: Purchase Order #: 08622426-0007 Project Name: Beech AP 1 Project #: Requested Date: Standard		Attention: Company Name: Georgia Power Address: 241 Ralph McGill Blvd NE Atlanta, GA 30304 Pace Office: Pace Project Manager: boris.wang@pacelabs.com Pace Profile #: 10944-0	

ITEM #	SAMPLE ID See Character per Box NAZ 86.1.1 Sample lots used for testing	METHOD Extraction Method Matrix Code Analysis Method Sample # Lot #	CODE K L A B S E P	MATRIX CODE See manual codes to left	SAMPLE TYPE D-Substrs C-Other	COLLECTION		SAMPLE TEMP AT COLLECTION # OF CONTAINERS	PRESERVATIVES								ANALYTICAL TEST	ANALYTICAL UNIT App. II - 10 Metals C.I.P. 804 TDS RAD 2210/6133	Residual Chromium (%)	Remarks								
						DATE	TIME		Li/glycerol	HNO3	HNO2	HCl	H2O2	H2SO4	Perchloric	Others												
21	BQW-BQWC-80	WQ	G														X	X	X	X								
22	BQW-BQWC-800	WQ	G															X	X	X	X							
23	BQW-BQWC-81	WQ	G															X	X	X	X							
24	BQW-BQWC-82	WQ	G															X	X	X	X							
25	BQW-AP1-FD-08	WQ	G															X	X	X	X							
26	BQW-AP1-FD-08	WQ	G					8/17/23	—	5	2	3						X	X	X	X							020
27	BQW-AP1-FD-10	WQ	G															X	X	X	X							
28	BQW-AP1-FD-11	WQ	G															X	X	X	X							
29	BQW-AP1-FB-14	WQ	G					8/17/23	1524	5	2	3						X	X	X	X							021
30	BQW-AP1-FB-	WQ	G															X	X	X	X							
31	BQW-AP1-ES-	WQ	C															X	X	X	X							
32	BQW-AP1-ES-	WQ	G															X	X	X	X							

ADDITIONAL COMMENTS	RELEASED BY / APPLICATION	DATE	TIME	ACQUIRED BY / ANALYST	DATE	TIME	ANALYST COMMENTS
	William Locker	8/23/23	1055	Ryan Williams / Pac	8/21/23	1056	
Lab Code: BQW-CCL-8888T-28282	Ryan Williams / Pac	8/21/23	1215	Chip G	8/21/23	1215	

SAMPLER NAME AND SIGNATURE: Reserve Environment
 SIGNATURE OF SAMPLER: [Signature]
 DATE: 8/17/23

Page 134 of 162



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GM Power

Project #

WO#: 92683381

PM: 8V

Due Date: 09/01/23

CLIENT: 92-GP-BOWLF

Courier: Fed Ex UPS USPS Other Pace

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-24-23 AY

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Growth Frozen? Yes No N/A

Thermometer:

2W Gur-117

Type of Ice: Wet Blue None

Cooler Temp:

4.083

Correction Factor: Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice. cooling process has begun.

Cooler Temp Corrected (°C):

4.1

USDA Regulated Soil (N/A water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (72 hr.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Hand Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/analysis Matrix	WV	
Headspace in VOA Vials (>5-Emm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

Field Data Required? Yes No

COMMENTS/SAMPLE DISCREPANCY

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



Effective Date: 11/14/2022

WO#: 92683381

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project

PH: BV

Due Date: 09/01/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/8015 (water DOC), LUM

CLIENT: 92-GF-BOWLF

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP04-125 ml Plastic Unpreserved (N/A) (C-1)													
BP04-250 ml Plastic Unpreserved (N/A)													
BP20-500 ml Plastic Unpreserved (N/A)													
BP30-1 liter Plastic Unpreserved (N/A)													
BP05-125 ml Plastic H2SO4 (pH < 2) (C-1)													
BP06-250 ml Plastic HNO3 (pH < 2)													
BP07-125 ml Plastic 7N Acetic Acid (pH < 2)													
BP08-125 ml Plastic NaOH (pH > 12) (C-1)													
WGRU-Wide-mouthed Glass Jar Unpreserved													
AG01-1 liter Amber Unpreserved (N/A) (C-1)													
AG10-1 liter Amber 4C (pH < 2)													
AG30-250 ml Amber Unpreserved (N/A) (C-1)													
AG35-250 ml Amber H2SO4 (pH < 2)													
AG04-40 ml Amber mHCl (N/A)(C-1)													
DG9H-40 ml VOA HCl (N/A)													
VG9T-40 ml VOA Na2S2O3 (N/A)													
VG9U-40 ml VOA Unpreserved (N/A)													
DG9U-40 ml VOA H3PO4 (N/A)													
XPTU-50 ml Plastic Unpreserved (N/A)													
VAGK (3 vials per lot) VOA/Gas lot (N/A)													
SP9T-125 ml Sterile Plastic (N/A - lab)													
SP9T-250 ml Sterile Plastic (N/A - lab)													
BP08-250 ml Plastic (NH4)2SO4 (pH < 9.7)													
AD0U-100 ml Amber Unpreserved (N/A) (C-1)													
VG0U-20 ml Scintillation vials (N/A)													
DG9U-40 ml Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. D.L. of Hold, incorrect preservative, out of temp, incorrect containers).



CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via a chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://paci.com/paci/submit/pac-standards-forms.pdf>.

Section A Requester Client Information:		Section B Requested Project Information:		Section C Lab/Client Information:	
Company: Georgia Power	Address: 211 Ralph McGill Blvd NE, Atlanta, GA 30304	Report To: Kristen Jurisko, Anthony Bissell	Copy To: Laura McDuff, Ben Hodges, Mike Grubbly	Address: 211 Ralph McGill Blvd NE, Atlanta, GA 30304	Phone: 404-941-0000
Address: 211 Ralph McGill Blvd NE, Atlanta, GA 30304	Email: info@paci.com	Project Order #: GPC25174-0007	Project Name: Boyan AP-1	Project #	Requested Due Date: 8/18/23
Phone: 404-941-0000	Requested Due Date: 8/18/23	Project #	Project #	Project #	Project #

ITEM #	SAMPLE ID One Character per lot. (A-Z, 0-9) Sample IDs must be unique	MATERIAL CODE (See table below to help)	SAMPLE TYPE (See table below to help)	COLLECTED		SAMPLE TEMP AT SUBMISSION	EPC CONTAINER	PRESERVATION								ANALYSIS TYPE	RECEIVED DATE	RECEIVED TIME	RECEIVED BY	RECEIVED SIGNATURE
				DATE	TIME			UNPRESERVED	REFS04	REFS05	REFS06	REFS07	REFS08	REFS09	REFS10						REFS11	REFS12
15	BOY-BGAC-17	YAG	G																	
16	BOY-BGAC-18	YAG	G																	
17	BOY-BGAC-19	YAG	G	8/18/23	0955		5	2	3					X	X	X	X			PH
18	BOY-BGAC-20	YAG	G	8/18/23	1308		5	2	3					X	X	X	X			PH 022
19	BOY-BGAC-21	YAG	G											X	X	X	X			PH 623
20	BOY-BGAC-22	YAG	G											X	X	X	X			PH
21	BOY-BGAC-23	YAG	G											X	X	X	X			PH
22	BOY-BGAC-24	YAG	G											X	X	X	X			PH
23	BOY-BGAC-25	YAG	G											X	X	X	X			PH
24	BOY-BGAC-26	YAG	G											X	X	X	X			PH
25	BOY-BGAC-27	YAG	G											X	X	X	X			PH
26	BOY-BGAC-28	YAG	G											X	X	X	X			PH
27	BOY-BGAC-29	YAG	G											X	X	X	X			PH
28	BOY-BGAC-30	YAG	G											X	X	X	X			PH
29	BOY-BGAC-31	YAG	G	8/18/23	1250		5	2	3					X	X	X	X			PH 024

LAB USER: BOYAN-BOYAN-20232	WILLIAM LEADER	8/21/23	1055	RYAN WILLIAMS / PACE	8/21	1255
	RYAN WILLIAMS / PACE	8/21/23	1215	WILLIAMS	8-21	1215

SAMPLE NO. NICKEL AND SIGNATURE: Kevin Sheehan, William Leader, Meredith Durbin

DATE: 8/18/23



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name: G-M Power

Project #:

WO#: **92683381**

PM: BV Due Date: 09/01/23
CLIENT: 02-GP-BONLF

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-21-23 AB

Packing Material: Bubble Wrap Bubble Bags None Other

Biological tissues Frozen? Yes No N/A

Thermometer: In Gun D: 083 Type of Ice: Wet Blue None

Cooler Temp: 9.1 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples or ice, cooling process has begun

Cooler Temp Corrected (°C): 9.1

USDA Regulated Soil (W/A water sample)

Did samples originate in a quarantine zone within the United States, CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Substrate Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7
Dissolved analysis: Samples Filtrated?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
Includes Date/Time/IG/Analysis Matrix: <u>WG</u>		
Headspace in VOA vials (<5 mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SQRFP Review:

Date:

Project Manager SRF Review:

Date:



Effective Date: 11/14/2022

WO#: 92683381

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project

PH: BV

Due Date: 08/01/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/BOD5 (water) DOC, U+T

CLIENT: 92-CF-BOWLF

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 ml Plastic Unpreserved (N/A) (C-1)													
BP3U-250 ml Plastic Unpreserved (N/A)													
BP2U-500 ml Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 ml Plastic H2SO4 (pH < 2) (C-1)													
BP3S-250 ml Plastic H2SO4 (pH < 2)													
BP2S-125 ml Plastic 2N Acetate & NaOH (-9)													
BP4B-125 ml Plastic NaOH (pH > 12) (C-1)													
WGFU-Wide-mouthed Glass Jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (C-1)													
AG1H-1 liter Amber HCl (pH < 2)													
AG2U-250 ml Amber Unpreserved (N/A) (C-1)													
AG2S-250 ml Amber H2SO4 (pH < 2)													
AG3S-250 ml Amber H2SO4 (pH < 2)													
OG9A-10 ml Amber NH4Cl (N/A) (C-1)													
DG9H-40 ml VOA HCl (N/A)													
VG9T-40 ml VOA Na2S2O5 (N/A)													
VG9U-40 ml VOA Unpreserved (N/A)													
DG9V-40 ml VOA H3PO4 (N/A)													
KP7U-50 ml Plastic Unpreserved (N/A)													
V/GK (3 vials per kit) VPH/Gas kit (N/A)													
SP3T-25 ml Sterile Plastic (N/A - Lab)													
SP2T-250 ml Sterile Plastic (N/A - Lab)													
BP3R-250 ml Plastic (NH4)2SO4 (9.3-9.7)													
AG0U-100 ml Amber Unpreserved (N/A) (C-1)													
VSGU-20 ml Scintillation vials (N/A)													
DIS9U-40 ml Amber Unpreserved vials (N/A)													

2022
 BV
 B.P.A.

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance sampling, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of field, incorrect preservative, out of temp, incorrect containers)



CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 1

Section A Request Client Information:	Section B Request Project Information:	Section C Invoice Information:
Company: Georgia Power	Report To: <u>Inezan Ayimo, Anthony Sowell</u>	Address: <u>241 Ruffin McGehee Blvd NE Atlanta, GA 30303</u>
Address: <u>241 Ruffin McGehee Blvd NE Atlanta, GA 30303</u>	Copy To: <u>Laura Mohr Ben Hodges, Mike Bralley</u>	Company Name: <u>Georgia Power</u>
Phone: <u>(404) 522-1700</u>		Address: <u>241 Ruffin McGehee Blvd NE Atlanta, GA 30303</u>
Requested Date: <u>Standard</u>	Project #	Page Profile # <u>10844-5</u>

ITEM #	SAMPLE ID <i>One Character per box. 1A-1Z, 0-9, /, -</i> Sample ID must be unique	Matrix Code	Term Year (YYYY-MM)	Sample Type (E-GUMS)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES										ANALYSIS	REMARKS							
					UNPRESERVED	FROZEN					COOL	WET	SOIL	ROCK	GLASS	WOOD	PLANT	METAL	OTHER	APPROX. TEMP			APPROX. HUMIDITY						
26	BDW-BDWC-32	WG		G			8/18/23	0926		5	2	3																GL181301	
28	BDW-BDWC-34D	WG		G			8/18/23	1127		5	2	3																GL5	
27	BDW-BDWC-35D	WG		G																									GL6
29	BDW-BDWC-36D	WG		G																									
30	BDW-BDWC-37D	WG		G																									
31	BDW-BDWC-38D	WG		G																									
32	BDW-BDWC-39	WG		G																									
33	BDW-BDWC-40	WG		G			8/18/23	1130		5	2	3																	GL7
34	BDW-BDWC-41D	WG		G																									
35	BDW-BDWC-42D	WG		G																									
36	BDW-BDWC-43D	WG		G																									
37	BDW-BDWC-44D	WG		G																									

ADDITIONAL COMMENTS	PREPARED BY / LOCATION	DATE	TIME	ACCEPTED BY / APPLICATION	DATE	TIME	OTHER COMMENTS
	<u>William Lanier</u>	<u>8/11/23</u>	<u>1055</u>	<u>Ryan William / Pca</u>	<u>8/21</u>	<u>1055</u>	
	<u>Ryan William / Pca</u>	<u>8/21/23</u>	<u>1215</u>	<u>[Signature]</u>	<u>8-21</u>	<u>1218</u>	

SAMPLER NAME AND SIGNATURE		DATE	TEMP IN C
RIGHT HAND OF SAMPLE: <u>Kenn Stephenson, William Lanier, Meredith Duran</u> SIGNATURE OF SAMPLE: <u>[Signature]</u>			



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

G-M Power

Project #:

Carrier: Fed Ex UPS USPS Client Commercial Peer Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-21-23 AJ

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

MC Gun ID:

083

Type of Ice: Wet Blue None

Cooler Temp:

4

Correction Factor:

Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

Samples out of temp controls. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

4.1

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC

(check maps)? Yes No

Did samples originate from a foreign source Internationally, including Hawaii and Puerto Rico? Yes No

Comments/Discrepancy:

Chain of Custody Present? Yes No N/A

1.

Samples Arrived within Hold Time? Yes No N/A

2.

Short Hold Time Analysis (<72 hr.)? Yes No N/A

3.

Rush Turn Around Time Requested? Yes No N/A

4.

Sufficient Volume? Yes No N/A

5.

Correct Containers Used? Yes No N/A

6.

Peace Containers Used? Yes No N/A

Containers Intact? Yes No N/A

7.

Dissolved analysis: Samples Field Filtered? Yes No N/A

8.

Sample Labels Match COC? Yes No N/A

9.

Includes Date/Time/ID/Analysis Matrix: WG

Headspace in VOA Vials (>5-6mm)? Yes No N/A

10.

Trip Blank Present? Yes No N/A

11.

Trip Blank Custody Seals Present? Yes No N/A

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/BD15 (water) DJC, LULIC

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Sample ID	Preservative	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-225 mL Plastic Unpreserved (N/A) (1)													
BP3U-250 mL Plastic Unpreserved (N/A)													
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4B-225 mL Plastic H2SO4 (pH < 2) (1)													
BP3B-250 mL Plastic H2SO4 (pH < 2) (1)													
BP4B-225 mL Plastic 2N Acetate & NaOH (pH > 12) (1)													
BP4B-1.75 liter Plastic NaOH (pH > 12) (1)													
UNSELS Wide-mouthed Glass jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (1)													
AG1B-1 liter Amber (10) (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (1)													
AG1B-1 liter Amber H2SO4 (pH < 2)													
AG3B-250 mL Amber H2SO4 (pH < 2)													
DOUM-400 mL Amber NH4OH (N/A) (1)													
D03M-60 mL VOA HCT (N/A)													
VS9T-40 mL VOA Na2S2O3 (N/A)													
VS9U-45 mL VOA Unpreserved (N/A)													
PK9U-40 mL VOA H3PO4 (N/A)													
BP7U-50 mL Plastic Unpreserved (N/A)													
V/GK 13 vials per HRP-VOL-VGAS.ME (N/A)													
SP5T-125 mL Serum Plastic (N/A - 100)													
SP2T-250 mL Serum plastic (N/A - 100)													
BP6B-250 mL Plastic (N/A) (1) (3-9-2)													
AG0B 1250 mL Amber Unpreserved (N/A) (1)													
VS0U-70 mL Succinylated vials (N/A)													
D03U-60 mL Amber Unpreserved vials (N/A)													

N/A

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples a copy of this form will be sent to the North Carolina LENS Certification Office (i.e. Out of hold, improper preservative, out of temp, incorrect containers)



CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Georgia Power	Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30305	Report To: Kristin Jenkins, Anthony Bravitz	Copy To: Laura Merrill, Ben Hodges, Mike Brubay	Client Name: Georgia Power	Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30305
Email: kjenkins@ge.com	Phone: 404217-0008	Project Name: Bowen AP-1	Project #: Bowen AP-1	Price Quote:	
Requested Due Date: Standard				Price Project Manager: boraw.vemp@pace.com	

ITEM #	SAMPLE ID	MATRIX	DATE	TIME	COLLECTOR	SAMPLE TYPE	PRESERVATIVE	ANALYSIS REQUESTED										REMARKS						
								Asph	Metals	PCBs	PAHs	DDTs	PCP	TCDFs	TCDFs	TCDFs	TCDFs		TCDFs	TCDFs	TCDFs	TCDFs	TCDFs	TCDFs
37	BOW-BGWC-10C	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
38	BOW-BGWC-50B	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
39	BOW-BGWC-51	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
40	BOW-BGWC-52	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
41	BOW-AP1-FD-04	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
42	BOW-AP1-FD-05	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
43	BOW-AP1-FD-10	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
44	BOW-AP1-FD-11	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
45	BOW-AP1-FB-15	Water	8/18/23	1313	S12	3		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	0026
46	BOW-AP1-FB	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
47	BOW-AP1-EB	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
48	BOW-AP1-EB	Water						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

LABORATORY COMMENTS	PREPARED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	ANALYSIS COMMENTS
	William Leaker	8/21/23	1055	Ryan Williams / P-u	8/21/23	1056	
	Ryan Williams / P-u	8/21/23	1245	John G...	8/21/23	1245	

CLIENT NAME AND SIGNATURE: Kevin Stgherach, William Leaker, Meredith Duncan

SIGNATURE OF SAMPLE: [Signature]

DATE: 8/18/23

TEMP IN C: [Blank]

REMOVED BY: [Blank]

QUALITY CONTROL: [Blank]

GROUP: [Blank]

LABORATORY: [Blank]

REMARKS: [Blank]



Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Merhanksville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Project #

WO#: 92683381

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

PH: 8V Due Date: 02/01/23
CLIENT: 02-CP-80MLF

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-24-23 JLC

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

Mercury Digital 2.14 Type of Ice: Dry Ice Blue None

Cooler Temp: 3.4 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C
 Samples out of temp criteria Samples on ice cooling process has begun

Cooler Temp Corrected (°C): 3.4

USDA Regulated Soil N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A -Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match CQC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Include Date/Time/ID/Analysis Matrix: W	
Headspace in vOA Vials (>5.6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURE Review

Date:

Project Manager SRF Review

Date:



Effective Date: 11/14/2022

Project WQ#: 92683381

PM: BY

Due Date: 09/01/23

CLIENT: S2-GP-BOWLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

(Exceptions: VOA, Coliform, TOC, Oil and Grease, DRC/2015 [water] DOC, LMG)

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Param	BP01-125 mL Plastic Unpreserved (N/A) (C1)	BP01-250 mL Plastic Unpreserved (N/A)	BP20-500 mL Plastic Unpreserved (N/A)	BP01-1 liter Plastic Unpreserved (N/A)	BP01-25 mL Plastic H2SO4 (pH < 2) (C1)	BP01-250 mL Plastic HNO3 (pH < 2)	BP01-125 mL Plastic 7M Ammonia-NaOH (pH < 2)	BP01-125 mL Plastic NaOH (pH < 12) (C1)	WQ01-16 oz Borosilibrated Glass jar Unpreserved	AG11-1 liter Amber Unpreserved (N/A) (C1)	AG11-1 liter Amber HQ (pH < 2)	AG31-250 mL Amber Unpreserved (N/A) (C1)	AG11-1 liter Amber H2SO4 (pH < 2)	AG31-250 mL Amber H2SO4 (pH < 2)	DG91-40 mL Amber NMAO (N/A) (C1)	DG91-40 mL VOA HCl (N/A)	VQ91-40 mL VOA H2SO4 (N/A)	UG91-40 mL VOA Unpreserved (N/A)	DG91-40 mL VOA H2SO4 (N/A)	KP71-50 mL Plastic Unpreserved (N/A)	VQ01-13 vials per lot (VPH/Gas 3M) (N/A)	SP01-125 mL Steel Plastic (N/A - lab)	SP01-250 mL Sterile Plastic (N/A - lab)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

BRAIN

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (if out of hold, incorrect preservative, out of temp, incorrect containers)



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project

W0#: 92683381

PM: BV

Due Date: 08/01/23

Exceptions: VOA, Coliform, TOC, D1 and Grease, DRC/8015 (water) DOC LUlg

CLIENT: 92-GP-BDMLF

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Notes	BPAL-125 mL Plastic Unpreserved (N/A) (C-)	BPJL-750 mL Plastic Unpreserved (N/A)	BPZL-500 mL Plastic Unpreserved (N/A)	BP3L-1 Liter Plastic Unpreserved (N/A)	BP4S-175 mL Plastic (1250g (pH < 2) (C-))	BP4M-250 mL Plastic (1000g (pH < 2)	BP4Z-125 mL Plastic 2M Acetate & NaOH (C-)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WGF (WGF-mouthed Glass Jar Unpreserved	AG1L-1 liter Amber Unpreserved (N/A) (C-)	AG1M-1 liter Amber HCl (pH < 2)	AG3P-250 mL Amber Unpreserved (N/A) (C-)	AG3S-1 liter Amber H2SO4 (pH < 2)	AG3M-40 mL Amber NH4Cl (N/A)(C-)	DGSM-40 mL VOA HCl (N/A)	VGST-40 mL VOA Na2S2O5 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	VG9U-40 mL VOA H2PO4 (N/A)	KP7U-20 mL Plastic Unpreserved (N/A)	V/GK (3 vials per ally-vp-v-gas kit) (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SPZF-250 mL Sterile Plastic (N/A - lab)	BP1N	BP1K-250 mL Plastic (N/A) (2-9-7)	AGDU-100 mL Amber Unpreserved (N/A) (C-)	VSGU-20 mL Scintillation vials (N/A)	BD4U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina OFNR Certification Office (i.e. Out of Hold, incorrect preservative, out of temp, incorrect container)

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/tutorials/pace-standard-forms.pdf>.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Page: 1 of 4
Company: Georgia Power	Report To: Kyrin Justice, Anthony Swann	Advertiser: Georgia Power	
Address: 241 Ralph McGill Blvd NE	Copy To: Lewis Jackson, Ben Hedges, Mike Emley	Company Name: Georgia Power	
Atlanta, GA 30308	Holls Gap	Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308	
Fax: 478 217-0005	Purchase Order #: GPC 82474-8897	Pace Order:	
Phone: 478 217-0005	Project Name: Bowen AP-1	Pace Project Manager: kornelius@pacelabs.com	
Requested Turn Date: Standard	Project #:	Pace Profile #: 10844-6	

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, -) Sample IDs must be unique	MATERIAL CODE (See-Addendum to Info)	SAMPLE TYPE (See-Addendum to Info)	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES							Residual (Overline Time)							
				DATE	TIME		Unpreserved	TOPSOIL	14MS	HC1	HC2H	HC2BOS	HC2BOL		Other						
1	BOW-BGWA-2	WC	G	8/21/23	1354	5	2	1A												030	
2	BOW-BGWA-28	WC	G																		
3	BOW-BGWA-33	WC	G																		
4	BOW-BGWA-47D	WC	G																		
5	BOW-BGWA-80	WC	G																		
6	BOW-BGWA-7	WC	G																		
7	BOW-BGWC-8	WC	G																		
8	BOW-BGWC-9	WC	G																		
9	BOW-BGWC-10	WC	G																		
10	BOW-BGWC-12	WC	G																		
11	BOW-BGWC-14a	WC	G																		
12	BOW-BGWC-16	WC	G																		
ADDITIONAL COMMENTS		RECORDED BY / AFFILIATION		DATE	TIME	SUBMITTED BY / AFFILIATION		DATE	TIME	DATE		TIME	DATE		TIME	DATE		TIME	DATE		TIME
VCL UDR BOW-COR-ASBNT-30416		William Laker Kyrin N. Williams / Pace		8/21/23	0910	Kyrin N. Williams / Pace SCL Hall		8/21/23	0910	8/21/23		0910	8/21/23		0910	8/21/23		0910	8/21/23		0910
SIGNATURE OF SAMPLES		SIGNATURE OF ANALYST		DATE SAMPLED		DATE RECEIVED		DATE RECEIVED		DATE RECEIVED		DATE RECEIVED		DATE RECEIVED		DATE RECEIVED		DATE RECEIVED		DATE RECEIVED	
		Kyrin N. Williams / Pace		8/21/23		Kyrin N. Williams / Pace		8/21/23		8/21/23		8/21/23		8/21/23		8/21/23		8/21/23		8/21/23	



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Page: 2 Of 4

Section 1 Required Client Information:		Section 2 Required Project Information:		Section 3 Invoice Information:	
Company: <u>George Power</u>		Report To: <u>Kristen Junick, Anthony Swank</u>		Attention: <u></u>	
Address: <u>241 Ralph McGill Blvd NE</u>		Copy To: <u>Laura McNeil, Ben Huggins, Mike Swales</u>		Company Name: <u>George Power</u>	
Atlanta, GA 30308		Noelle Gang:		Address: <u>241 Ralph McGill Blvd NE Atlanta, GA 30308</u>	
Email: <u>kljunick@georgiapower.com</u>		Purchase Order #: <u>GPO2023-0007</u>		Pace Query:	
Phone: <u>4707217-0008</u> FID		Project Name: <u>Bevern AP-1</u>		Pace Project Manager: <u>Debra Viny@pace-labs.com</u>	
Requested Due Date: <u>Standard</u>		Project #:		Pace Probe #: <u>10844-0</u>	

ITEM #	SAMPLE ID One Character per box. 0-9, A-Z, . /	Sample ID must be unique	ANALYSIS Contaminant Trace Microbial Residual Sulfide Oil Meth Cyan Cadm Titanium	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATION								ANALYSIS TYPE	ANALYSIS DATE	ANALYSIS TIME			
								PRESERVATION											ANALYSIS TYPE	ANALYSIS DATE	ANALYSIS TIME
								Unpreserved	REF	PHOS	PHOS	PHOS	PHOS	PHOS	PHOS						
13	B0W-B0WC-17																				
14	B0W-B0WC-18																				
15	B0W-B0WC-19																				
16	B0W-B0WC-20																				
17	B0W-B0WC-21			8/23/23	1251		5	2	3								031				
18	B0W-B0WC-22																				
19	B0W-B0WC-23			8/23/23	1440		5	2	3								032				
20	B0W-B0WC-24																				
21	B0W-B0WC-25																				
22	B0W-B0WC-26																				
23	B0W-B0WC-27																				
24	B0W-B0WC-28																				

LAB CODE	ANALYST	DATE	TIME	ANALYST SIGNATURE	DATE	TIME	LAB CODE	ANALYST	DATE	TIME	ANALYST SIGNATURE	DATE	TIME
B0W-B0WC-20-0001	William Lasher	8/23/23	0910	Ryan Williams / Pace	8/24/23	0910							
	Ryan Williams / Pace	8/23/23	1225	J.R. Pace	8/23/23	1225							

NAME OF ANALYST: <u>William Lasher</u>		DATE: <u>8/23/23</u>	
SIGNATURE OF ANALYST: <u>[Signature]</u>		DATE: <u>8/23/23</u>	
LAB CODE: <u>B0W-B0WC-20-0001</u>		ANALYST: <u>Ryan Williams / Pace</u>	
ANALYSIS TYPE: <u>PHOS</u>		ANALYSIS DATE: <u>8/23/23</u>	



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Page: 2 of 4

Section A Required Client Information: Section B Required Project Information: Section C Invoice Information:

Company: Georgia Power	Region To: William Lanier, Anthony Rowland	Account: _____
Address: 211 Ralph McGill Blvd NE Atlanta, GA 30308	Copy To: Laura McCrell, Ben Hodges, Alice Bentley	Company Name: Georgia Power
Atlanta, GA 30308	Mobile Camp	Address: 211 Ralph McGill Blvd NE Atlanta, GA 30308
Email: lynaria@georgiapower.com	Purchase Order #: GPC33474-0007	Face Code: _____
Phone: (404) 217-0000 Fax: _____	Project Name: Bowen AP-1	Face Project Manager: bonnie.gang@paratec.com
Requested Due Date: Summer	Project #: _____	Face Profit #: 10841-S

ITEM #	SAMPLE ID One Character per box (A-Z, 0-9), -	Matrix Soil Water Sediment Air Other	Location State County City	SAMPLER CODE (see field codes on pg 1)	SAMPLER TYPE (O-Gauge O-GMP)	COLLECTED		SAMPLER TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES								PH	Removal Certificate (Y/N)						
						DATE	TIME			Unpreserved	HGSQA	HPOD	HCI	NACOH	NHES200	Unlabeled	Other			1. Potentiometer	2. pH	3. Dissolved Oxygen	4. Turbidity	5. Conductivity	6. Salinity	7. TOC	8. RAP 3011A/130
13	BOY-BQWC-17	WG	D												X	X	X	X							PH
14	BOY-BQWC-18	WG	D												X	X	X	X							PH
15	BOY-BQWC-19	WG	U												X	X	X	X							PH
16	BOY-BQWC-20	WG	G												X	X	X	X							PH
17	BOY-BQWC-21	WG	C												X	X	X	X							PH
18	BOY-BQWC-22	WG	G	8/21/23		1321		5	2	3					X	X	X	X							PH 5.53
19	BOY-BQWC-23	WG	G												X	X	X	X							PH
20	BOY-BQWC-24	WG	G												X	X	X	X							PH
21	BOY-BQWC-25	WG	D												X	X	X	X							PH
22	BOY-BQWC-30	WG	D												X	X	X	X							PH
23	BOY-BQWC-6	WG	G												X	X	X	X							PH
24	BOY-BQWC-31	WG	G												X	X	X	X							PH

ADDITIONAL COMMENTS	ANALYZED BY / APPROVED	DATE	TIME	ADJUSTED BY / APPROVED	DATE	TIME	ADDITIONAL COMMENTS
24 Code: BOY-OCR-SUBMIT-202301	William Lanier	8/24/23	0910	Ryan Williams / BGC	7/24/23	0910	
	Ryan Williams / BGC	8/24/23	1325	Jesse Lopez	8/21/23	1225	

SAMPLER NAME AND SIGNATURE: Kevin Stephenson, William Lanier, Marwan Guncan

PRINT NAME OF EMPLOYEE: Kevin Stephenson, William Lanier, Marwan Guncan

SIGNATURE OF EMPLOYEE: *[Signatures]*

DATE OF ANALYSIS: 8/27/23



CHAIN-OF-CUSTODY / Analytical Request Document

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Section A: Required Client Information:		Section B: Required Project Information:		Section C: Invoice Information:		Page: 2 of 4
Company: Georgia Power	Address: 241 Ralph McGill Blvd NE Atlanta, GA 30309	Report To: Kristian Jurkic, Anthony Esposito	Copy To: Louis McElreath, Ben Hudgens, Mike Smiley	Company Name: Georgia Power	Address: 241 Ralph McGill Blvd NE Atlanta, GA 30309	
Case #	Phone (404)217-0068	Project Name: Basin AP-1	Project #:	Face Order #	Face Project Manager: bairdie.vedgy@face.com	
Requested Due Date: 8/24/23				Face Profile #	10844-E	GA

ITEM #	SAMPLE ID Only Character per leg. (A-Z, 0-9, +) Sample IDs must be unique	WATER/COOLANT DROPPING MEAN MILK WATER VAPOR SULFUR LIQUID THERMAL	CINCH W/S W/S W/S W/S	UNIQUE CODE (SEE BACK COVER)	SAMPLE TYPE (SEE BACK COVER)	COLLECTED		SUBMIT TIME AT COLLECTION	# OF CONTAINERS	PRESERVED/ABB								ANALYSIS METHOD	ANALYSIS UNIT	ANALYSIS PRICE	ANALYSIS DATE									
						DATE	TIME			APPROXIMATE	METS	MCL	MCHL	NICKEL	METHANE	OTHER	APR 18 & 19 METHOD					CL F. SOL	TDS	RAD B15/B30						
																									DATE	TIME	APPROXIMATE	METS	MCL	MCHL	NICKEL	METHANE	OTHER	APR 18 & 19 METHOD	CL F. SOL	TDS	RAD B15/B30
18	BOW-BGWC-17				WG G							X	X	X	X														PH	
19	BOW-BGWC-18				WG G							X	X	X	X															PH
20	BOW-BGWC-19				WG G							X	X	X	X															PH
21	BOW-BGWC-20				WG G							X	X	X	X															PH
22	BOW-BGWC-21				WG G							X	X	X	X															PH
23	BOW-BGWC-22				WG G							X	X	X	X															PH
24	BOW-BGWC-23				WG G							X	X	X	X															PH
25	BOW-BGWC-24				WG G							X	X	X	X															PH
26	BOW-BGWC-25				WG G							X	X	X	X															PH
27	BOW-BGWC-26				WG G							X	X	X	X															PH
28	BOW-BGWC-27				WG G							X	X	X	X															PH
29	BOW-BGWC-28				WG G							X	X	X	X															PH
30	BOW-BGWC-29				WG G	8/21/23	1150		5	2	3																			PH 034
31	BOW-BGWC-30				WG G							X	X	X	X															PH
32	BOW-BGWC-31				WG G							X	X	X	X															PH

ADDITIONAL COMMENTS	ANALYSIS BY / APPLICATION	DATE	TIME	ANALYSIS BY / APPLICATION	DATE	TIME	ANALYSIS PRICE
BOW-COR-APP-03020	William Ledger	8/24/23	0910	Ryan Williams / Proc	8/24/23	1225	\$1245 \$115
	Ryan Williams / Proc			Jill Meyer			

SAMPLE ID AND SIGNATURE	
PROJECT NAME #	BASIN AP-1
SIGNATURE OF ANALYST	William Ledger, Ryan Williams, Isabella Duncan
DATE	8/21/23



CHAIN-OF-CUSTODY / Analytical Request Document

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Section A	Section B	Section C	Page: 3	Of: 4
Required Client Information:	Required Project Information:	Invoice Information:		
Company: <u>Georgia Power</u>	Report To: <u>Kristen Zurbrugg, Anthony Rowan</u>	Client: <u>[blank]</u>		
Address: <u>241 Ralph McGill Blvd NE</u>	Copy To: <u>Laura Endoff, Ben Leches, Mike Smiley</u>	Company Name: <u>Georgia Power</u>		
Atlanta, GA 30308	<u>Noelle Gang</u>	Address: <u>241 Ralph McGill Blvd NE, Atlanta, GA 30308</u>		
Email: <u>lgangr@ge.com</u>	Purchase Order #: <u>GPCR2174-0907</u>	Pace Quote: <u>[blank]</u>		
Phone: <u>(404)217-0002</u>	Project Name: <u>Bowen AP-1</u>	Pace Project Manager: <u>bernie.wing@pacelabs.com</u>		
Requested Due Date: <u>Standard</u>	Project #: <u>[blank]</u>	Pace Profile #: <u>10644-6</u>		

ITEM #	SAMPLE ID <small>One Character per box. A-Z, 0-9, -, / Samples must be unique</small>	Matrix Code (see referenced to file)	Sample Type (C-GROW Program)	COLLECTED		Sample Temp at Collection	PRESERVATIVES										Pace Order # (Y/N)		
				DATE	TIME		Unpreserved	HT604	HT603	HT1	NBSH	Nachios	Neharo	Other	App II - V Labels	CLF 804		TS-5	RAD 80189320
20	BOW-BGWC-38	WG	G										X	X	X	X			
21	BOW-BGWC-38D	WG	G										X	X	X	X			
22	BOW-BGWC-39D	WG	G										X	X	X	X			
23	BOW-BGWC-39D	WG	G										X	X	X	X			
24	BOW-BGWC-39D	WG	G										X	X	X	X			
25	BOW-BGWC-39D	WG	G										X	X	X	X			
26	BOW-BGWC-39D	WG	G										X	X	X	X			
27	BOW-BGWC-39D	WG	G	8/23/23	1210		5	2	3				X	X	X	X			035
28	BOW-BGWC-40	WG	G										X	X	X	X			
29	BOW-BGWC-40D	WG	G	8/23/23	1450		5	2	3				X	X	X	X			036
30	BOW-BGWC-42D	WG	G										X	X	X	X			
31	BOW-BGWC-43D	WG	G	8/23/23	1032		5	2	3				X	X	X	X			037
32	BOW-BGWC-44D	WG	D										X	X	X	X			

ADDITIONAL COMMENTS	REACQUIRED BY / REFERENCE	DATE	TIME	ACQUIRED BY / REFERENCE	DATE	TIME	SAMPLE CONDITION
Lab Code: BOW-BGWC-SUBSET-23381	<u>William Leaker</u>	<u>8/24/23</u>	<u>0910</u>	<u>Ryan William Pace</u>	<u>8/24/23</u>	<u>0910</u>	
	<u>Ryan W. Pace / Pace</u>	<u>8/23/23</u>	<u>1225</u>	<u>[Signature]</u>	<u>8/24/23</u>	<u>1225</u>	

SAMPLE NAME AND FORMAT:		Temp in C
PROXY Name of ANALYST: <u>Kenn Steensen, William Leaker, Meredith Dunan</u>		
SIGNATURE OF ANALYST: <u>[Signature]</u>	DATE Signed: <u>8/23/23</u>	

Received on: []
Pace: []
Pace: []
Pace: []
Pace: []
Pace: []



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Page : **3** of **4**

Section A Request Client Information	Section B Request Product Information	Section C Invoice Information	
Company: George Power	Report To: Nelise Jenkins, Anthony Spurr	Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	
Address: 241 Ralph McGill Blvd NE	Copy To: Laura Mikst, Ben Hodges, Mike Smiley	Company Name: George Power	
City: Atlanta, GA 30308	Nelise Jenkins	Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	
State: GA	Purchase Order #: 6092676-0087	Trace Queue:	
Phone: (404) 217-5008	Project Name: Bosan AP-1	Pace Project Manager: borne.samp@pacelabs.com	
Requested Date: Standard	Project #:	Pace Profile #: 10644-0	GA

ITEM #	SAMPLE ID <small>One Character per box 0-9, A-F, -</small> Sample IDs must be unique	MTRX	CODE	MATERIAL / UNIT (see notes to left)	SAMPLE TYPE	CONTAINER	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES								RESIDUAL COLUMN (VOLUME)	
							DATE	TIME			UNPRESERVED	NCS04	HNS3	HNS	MHX	NCS03	NCS02	NCS01		NCS00
25	BOW-BGWC-32	WG	B									X	X	X	X					
26	BOW-BGWC-38U	WG	B									X	X	X	X					
27	BOW-BGWC-39D	WG	G									X	X	X	X					
28	BOW-BGWC-39D	WG	G				8/21/23	1320	5	2	3	X	X	X	X					039
29	BOW-BGWC-37D	WG	G									X	X	X	X					
30	BOW-BGWC-39D	WG	G				9/21/23	1610	5	2	3	X	X	X	X					039
31	BOW-BGWC-31	WG	G									X	X	X	X					
32	BOW-BGWC-40	WG	G									X	X	X	X					
33	BOW-BGWC-41D	WG	G									X	X	X	X					
34	BOW-BGWC-42D	WG	G									X	X	X	X					
35	BOW-BGWC-43D	WG	G									X	X	X	X					
36	BOW-BGWC-44D	WG	G									X	X	X	X					

ADDITIONAL COMMENTS	RECEIVED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	ANALYST
	William Lanier	8/21/23	0910	Rajan Williams / Pac	9/14/23	0910	
	Rajan Williams / Pac	9/24/23	1225	J.L. / Pace	9/28/23	1225	

SAMPLE NAME AND STRUCTURE <small>PRINT NAME OF SAMPLE</small> Katin Berenson, Yvette Lopez, Meredith Durcan SIGNATURE OF SAMPLER <i>W.Lanier</i> RECEIVED BY/DATE <i>8/21/23</i>	TRAP n. C.	PROCESSED BY LAB (V.N.) CAPABILITY REAGENT CODE (V.N.) SPECIES (V.N.)
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CHAIN-OF-CUSTODY / Analytical Request Document

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Summarizing a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pas-standard-forms.pdf>.

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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Georgia Power	Report To: Kristen Jurkko, Anthony Swartz	Company Name: Georgia Power	Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30304	State: GA	City: Atlanta
Address: 241 Ralph McGill Blvd NE	Copy To: Laura MAM, Ben Hodges, Mike Bentley	Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30304	City: Atlanta	State: GA	City: Atlanta
Atlanta, GA 30304	Website: Georgia Power	City: Atlanta	State: GA	City: Atlanta	State: GA
Email: kjurkko@georgiapower.com	Purchase Order #: GPC82474-0087	City: Atlanta	State: GA	City: Atlanta	State: GA
Phone: (478) 217-0000	Project Name: Soviet AP-1	City: Atlanta	State: GA	City: Atlanta	State: GA
Facsimile: (478) 217-0000	Project #	City: Atlanta	State: GA	City: Atlanta	State: GA
Requested Due Date: Standard		City: Atlanta	State: GA	City: Atlanta	State: GA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, ., -) Sample IDs must be unique	MATERIAL Sample Type Well Plate Packaging Substrate Qty Type	CODE	MATCH CODE (see additional info)	SAMPLE TYPE (optional description)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES								RECEIVED BY (Print)	RECEIVED DATE (Print)	
						DATE	TIME			UNPRESERVED	H2SO4	NO2	HCl	NaOH	H2O2/30%	Mercuric	Other			Agar, 11 + 10 Media	Col. P, BOM	TDS	RAM-151 Strips
37	BOW-BOWC-150	WG	G			8/22/23	1505		5	2	3									043
38	BOW-BOWC-600	WG	G																	
39	BOW-BOWC-51	WG	G																	
40	BOW-BOWC-52	WG	G			8/22/23	1124		5	2	3									044
41	BOW-AP1-FD-08	WG	G																	
42	BOW-AP1-FD-09	WG	G																	
43	BOW-AP1-FD-10	WG	G																	
44	BOW-AP1-FD-11	WG	G																	
45	BOW-AP1-FB-	WG	G																	
46	BOW-AP1-FB-17	WG	G			8/22/23	1611		5	2	3									045
47	BOW-AP1-FB	WG	G																	
48	BOW-AP1-FB-03	WG	G			8/22/23	1603		5	2	3									046

ADDITIONAL COMMENTS	RELATIONSHIP OF SAMPLES	DATE	TIME	ACCEPTED BY (PERSON)	DATE	TIME	SAMPLE CONDITION
(A) Cow BOW-CCR-ASMET-3P2322	William Leaker	8/24/23	0910	Ryan Williams / POC	8/24/23	0910	
	Ryan Williams / POC	8/24/23	1225	John Pace	8/24/23	1225	

SAMPLE NAME AND SIGNATURE

PRINT NAME OF SAMPLES: Kevin Stephenson, William Leaker, Meredith Durbin

SIGNATURE OF SAMPLES: *Wm Leaker* Residue Environment DATE: 8/22/23

RECEIVED BY (Print): _____ DATE: _____

RECEIVED BY (Print): _____ DATE: _____

RECEIVED BY (Print): _____ DATE: _____

RECEIVED BY (Print): _____ DATE: _____

RECEIVED BY (Print): _____ DATE: _____



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Page: 1 of 4

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Georgia Power	Report To: Kristen Jurko, Anthony Sweets	Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30304	Company Name: Georgia Power	Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30304	Phone: (404) 522-4444
Address: 3600 Peachtree Dunwoody Rd. NE Atlanta, GA 30308	Copy To: Laurel Giddis, Ben Hodges, Mike Smiley	Project Name: Bowen-AP	Project Order #: OPCR2474-0087	Pace Order: 10394-6	Pace Profile #: 10394-6
State: GA 30308	Sample Matrix: Bowen-AP	Project #:	Requested Due Date: Standard	State: GA	
Email: kjurko@ge.com					
Phone: (478) 277-0008					
Fax:					

ITEM #	SAMPLE ID <small>One Character per DCL (A-Z, 0-9, -)</small> Sample IDs must be unique	Matrix	Sample Type	DATE	TIME	SAMPLE TEMP AT COLLECTION	PRESERVATIVES								ANALYTES	REMARKS		
							Unpreserved	HClO4	HNO3	H2O	NH4OH	H2SO4	H2O2	Other				
37	BOW-BQVC-01U	WG	G										X	X	X	X		PH
38	BOW-BQVC-01D	WG	G										X	X	X	X		PH
39	BQVC-BQVC-01	WG	G	8/21/23	1546	5	2	3					X	X	X	X		PH 047
40	BOW-BQVC-02	WG	G										X	X	X	X		PH
41	BOW-AP-1D-08	WG	G										X	X	X	X		PH
42	BOW-AP-1D-09	WG	G										X	X	X	X		PH
43	BOW-AP-1D-10	WG	G	8/21/23	---	5	2	3					X	X	X	X		PH 048
44	BOW-AP-1D-11	WG	G										X	X	X	X		PH
45	BOW-AP-1FB-16	WG	G	8/21/23	1650	5	2	3					X	X	X	X		PH 049
46	BOW-AP-1FB-17	WG	G										X	X	X	X		PH
47	BOW-AP-1EB-02	WG	G	8/21/23	1655	5	2	3					X	X	X	X		PH 050
48	BOW-AP-1EB-03	WG	G										X	X	X	X		PH

ANALYST	DATE	TIME	ANALYST SIGNATURE	DATE	TIME	ANALYST COMMENTS
William Locket	8/21/23	0910	<i>William Locket</i>	8/21/23	0910	
Ryan Williams (Pace)	9/16/23	1225	<i>Ryan Williams</i>	9/24/23	1225	

SAMPLE NAME AND SIGNATURE: *Residue Environmental*

PRINT Name of SAMPLE: Residue Environmental

SIGNATURE of SAMPLE: *[Signature]* **DATE Signed:** 8/21/23

TEMP in C:

Received at: () () () () () () () ()

Quantity: () () () () () () () ()

Container: () () () () () () () ()

Label: () () () () () () () ()

Example: () () () () () () () ()



Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO# : 92683381**

Courier: Fed Ex UPS USPS Client Other: Pace

PR: BY Due Date: 09/01/23
CLIENT: 02-GP-BOMLF

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8/28/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: In Sun In Shade 230 Type of ice: Wet Blue None

Cooler Temp: 5.6 Correction Factor: 0.0 Add/Subtract (°C)
Temp should be above freezing to 5°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.6

USDA Regulated Soil? N/A, water sample
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check mass)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<22 hr.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Trace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Discolored Analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.	
Includes Date/Time/ID/Analysis Matrix: <u>W</u>			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURE Review: Date:

Project Manager SRF Review: Date:



Effective Date: 11/14/2022

WO#: 92683381

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PR: BV

Due Date: 09/01/23

Exceptions: VOA, Coliform, TDC, OF and Grease, CRO/B015 (water) DOC, Long

CLIENT: 02-GP-80MLF

**Bottom half of box is to list number of bottles

***Check Unpreserved Nitrates for chlorine

Method	Material	1	2	3	4	5	6	7	8	9	10	11	12
	BP4U-125 mL Plastic Unpreserved (N/A) (CI-)												
	BP3U-150 mL Plastic Unpreserved (N/A)												
	BP2U-500 mL Plastic Unpreserved (N/A)												
	BP1U-1 liter Plastic Unpreserved (N/A)												
	BP4P-125 mL Plastic H2SO4 (pH < 2) (CI-)												
	BP3P-250 mL plastic HNO3 (pH < 2)												
	BP4Z-125 mL Plastic Zn Acetate & NaOH (P9)												
	BP4H-125 mL Plastic NaOH (pH > 12) (CI-)												
	WGFU-Wide-mouthed Glass Jar Unpreserved												
	AG1U-1 liter Amber Unpreserved (N/A) (CI-)												
	AG1H-1 liter Amber HCl (pH < 2)												
	AG3U-750 mL Amber Unpreserved (N/A) (CI-)												
	AG3P-1 liter Amber H2SO4 (pH < 2)												
	AG3S-250 mL Amber H2SO4 (pH < 2)												
	DG9H-40 mL Amber HNO3 (N/A) (CI-)												
	DG9H-40 mL VOA HCl (N/A)												
	WG9T-40 mL VOA Na2S2O3 (N/A)												
	WG9U-40 mL VOA Unpreserved (N/A)												
	DG9V-40 mL VOA H2PO4 (N/A)												
	MP7U-50 mL Plastic Unpreserved (N/A)												
	V76K 13 walls per lot (VPH/Gas lot) (N/A)												
	SP5T-125 mL Stereo Plastic (N/A - Lab)												
	SP2T-250 mL Stereoplate (N/A - Lab)												
	BP3P-250 mL Plastic (NH2)2SO4 (9.9 9.7)												
	AG6H-150 mL Amber Unpreserved (N/A) (CI-)												
	YS6U-20 mL Scintillation vials (N/A)												
	DE9U-40 mL Amber Unpreserved vials (N/A)												

BP1P
BP3P
BP4P
BP4Z
BP4H
BP4U
BP4V
BP4W
BP4X
BP4Y
BP4Z
BP4A
BP4B
BP4C
BP4D
BP4E
BP4F
BP4G
BP4H
BP4I
BP4J
BP4K
BP4L
BP4M
BP4N
BP4O
BP4P
BP4Q
BP4R
BP4S
BP4T
BP4U
BP4V
BP4W
BP4X
BP4Y
BP4Z

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office. E. Out of hold, incorrect preservative, out of time, incorrect containers.



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Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: Georgia Power	Report To: Kristen Amick, Anthony Barnes	Account Name: Georgia Power	Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30309	Regulatory Agency: GA	State: GA
Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30309	Copy To: Laura McDuff, Ben Hodges, Mike Brisley	Project Name: Bosch AH-1	Project #:	Order #:	Invoice #:
Email: laura.mcduffy@ge.com	Phone: 4782217-0008 Fax:	Product Order #: GPOE24744007	Price Quote:	Price Project Manager: laura.mcduffy@pacelabs.com	Price Profile #: 108465
Required Due Date: Sendent					

ITEM #	SAMPLE ID <small>One character per inch. (A-Z, 0-9), -</small> Sample IDs must be unique	MATRIX CODE <small>See instructions on back of each sample bag</small>	DATE	TIME	TEMPERATURE AT COLLECTION (# OF CONTAINERS)	PRESERVATIVES											REMARKS (# OF CONTAINERS)									
						UNPRESERVED	REFRESH	PHOS	TOC	NO3-N	NO2-N	AMMONIA	OTHER	1:1	AP	CL		TDS	PH							
13	BOW-BQWC-17	WG														X	X	X	X							PH
14	BOW-BQWC-18	WG														X	X	X	X							PH
15	BOW-BQWC-19	WG														X	X	X	X							PH
16	BOW-BQWC-20	WG														X	X	X	X							PH
17	BOW-BQWC-21	WG														X	X	X	X							PH
18	BOW-BQWC-22	WG														X	X	X	X							PH
19	BOW-BQWC-23	WG														X	X	X	X							PH
20	BOW-BQWC-24	WG	8/25/23	1030	5	2	3									X	X	X	X							PH: 051
21	BOW-BQWC-25	WG														X	X	X	X							PH
22	BOW-BQWC-26	WG														X	X	X	X							PH
23	BOW-BQWC-27	WG														X	X	X	X							PH
24	BOW-BQWC-28	WG														X	X	X	X							PH

ADDITIONAL COMMENTS	ANALYST	DATE	TIME	ADDRESS BY	PHONE	OTHER	SAMPLE CONDITION
Lab Code: BOW-CCR-EMM-F-00000	William Lanier	8/23/23	0930	Ryan Williams / P.A.	762/23	0930	
	Ryan Williams / Fax	9/20/23	1300	Cheryl Sparks	9/28/23	1300	

ANALYST NAME AND SIGNATURE PART Name of ANALYST Kari Stephens, William Lanier, Meredith Dunbar		TEMPERATURE Measured on (°F)
SIGNATURE OF ANALYST W.L. Lanier	DATE Signed 8/25/23	Quality Checked Checked C/ML
Resolute Environmental		Storage Label (°F)



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Page: 3 Of 4

Section A Requestor Client Information		Section B Requested Project Information		Section C Analytical Information	
Company: George Power	Report To: Kristen Jacobs, Anthony Sorrell	Attention:		Company Name: George Power	
Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	Copy To: Laura Miller, Ben Hendrix, Mike Britzky	Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308		Paste Project Manager: benjamin.vemp@pacelabs.com	
Email: laura.m@georgepower.com	Purchase Order #: GPC2023-0007	Paste Order #:		Paste Project #:	
Phone: (478)217-0000	Project Name: Steven AP-1	Paste Project ID:		Paste Profile #:	
Requested Due Date: Standard	Project #: _____				

ITEM #	SAMPLE ID <small>One Character per box (A-Z, 0-9) Sample ID must be unique</small>	UNIT <small>QTY</small>	DATE	TIME	COLLECTED	PRESERVED	ANALYSIS REQUESTED (Check box)											REMARKS (Y/N)
							Preparations					Requested Analysis (Check box)						
							Unpreserved	GC/MS	MS	GC/MS/MS	GC/MS/MS (D)	GC/MS/MS (E)	GC/MS/MS (F)	GC/MS/MS (G)	GC/MS/MS (H)	GC/MS/MS (I)	GC/MS/MS (J)		GC/MS/MS (K)
25	BOW-BGWC-32	WG											X	X	X	X		ph
26	BOW-BGWC-34D	WG											X	X	X	X		ph
27	BOW-BGWC-38D	WG	8/24/23	1215		5	2	3					X	X	X	X		ph: 052
28	BOW-BGWC-38D	WG											X	X	X	X		ph:
29	BOW-BGWC-37D	WG	8/24/23	1339		5	2	3					X	X	X	X		ph: 053
30	BOW-BGWC-39D	WG											X	X	X	X		ph
31	BOW-BGWC-39	WG											X	X	X	X		ph
32	BOW-BGWC-40	WG											X	X	X	X		ph
33	BOW-BGWC-41D	WG											X	X	X	X		ph
34	BOW-BGWC-42D	WG	8/24/23	1527		5	2	3					X	X	X	X		ph: 054
35	BOW-BGWC-43D	WG											X	X	X	X		ph:
36	BOW-BGWC-44D	WG											X	X	X	X		ph

ADDITIONAL COMMENTS	RECEIVED BY (SIGNATURE)	DATE	TIME	ACCEPTED BY (SIGNATURE)	DATE	TIME	SAMPLE COMMENTS
	William Lester	8/28/23	0930	Ryan Williams / Pace	8/29/23	0930	
	Ryan Williams / Pace	9/2/23	1500	Charles Ford	8/28/23	1300	

SIGNATURE OF SAMPLER		DATE
SIGNATURE OF SAMPLER: <u>W. L. Lester</u> PRINT NAME of SAMPLER: Kevin Depasson, William Lester, Meredith Duncan		DATE: 8/24/23



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

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions, located at <https://www.paceusa.com/trade/pce-standard-terms.pdf>

Section A Requested Chain Information: Company: <u>Georgia Power</u> Address: <u>241 Ralph McGill Blvd. NE</u> Atlanta, GA 30308 Email: <u>kyanwilliams@paceusa.com</u> Phone: <u>470217-0008</u> Fax: _____ Requested Due Date: <u>Standard</u>		Section B Requested Project Information: Project To: <u>Kristen Austin, Anthony Szead</u> Copy To: <u>Laura Mitchell, Ben Hodges, Mike Smiley</u> <u>Moelle Gargi</u> Purchase Order #: <u>SPO26474-0007</u> Project Name: <u>Down AP-1</u> Project #: _____		Section C Sample Information: Attention: _____ Company Name: <u>Georgia Power</u> Address: <u>241 Ralph McGill Blvd. NE, Atlanta, GA 30308</u> PACE Quote: _____ PACE Project Manager: <u>Donna Wang@paceusa.com</u> PACE Profile #: <u>10844-5</u>		Supplier Agency _____ State Location <u>GA</u>
--	--	--	--	---	--	---

ITEM #	SAMPLE ID <small>One Chain of Custody form (A-Z, 0-9, -) Sample IDs must be unique</small>	MATERIAL <small>Leaving water rock sediment precipitate other</small>	CODE <small>LT WT WW</small>	MATERIAL CODE (see attached to ST)	SAMPLE TYPE (see attached)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							ANALYTICAL FIELD	RECEIVED DATE (MM/DD)	RECEIVED TIME (MM)	RECEIVED LOCATION (M/M)
						DATE	TIME			UPPERCASE	102504	102503	102502	102501	102500	102499					102498	102497	102496	102495
37	DOWN-AP1-FC-00	WQ	G																	
38	DOWN-AP1-FC-01	WQ	G																	
39	DOWN-AP1-FC-02	WQ	G																	
40	DOWN-AP1-FC-03	WQ	G																	
41	DOWN-AP1-FC-04	WQ	G																	
42	DOWN-AP1-FC-05	WQ	G																	
43	DOWN-AP1-FC-06	WQ	G																	
44	DOWN-AP1-FC-07	WQ	G																	
45	DOWN-AP1-FC-08	WQ	G																	
46	DOWN-AP1-FC-09	WQ	G																	
47	DOWN-AP1-FC-10	WQ	G																	
48	DOWN-AP1-FC-11	WQ	G																	
49	DOWN-AP1-FC-12	WQ	G																	
50	DOWN-AP1-FC-13	WQ	G																	
51	DOWN-AP1-FC-14	WQ	G																	
52	DOWN-AP1-FC-15	WQ	G																	
53	DOWN-AP1-FC-16	WQ	G																	
54	DOWN-AP1-FC-17	WQ	G																	
55	DOWN-AP1-FC-18	WQ	G																	
56	DOWN-AP1-FC-19	WQ	G			8/24/23	1650		5	2	3									055
57	DOWN-AP1-FC-20	WQ	G			8/24/23	1656		5	2	3									056
58	DOWN-AP1-FC-21	WQ	G																	

ADDITIONAL COMMENTS	ANALYZED BY / APPLICATION	DATE	TIME	ACCEPTED BY / APPLICATION	DATE	TIME	SAMPLES CORRECT	OTHER
	William Leaker	8/28/23	0930	Kyan Williams / PACE	8/28/23	0930		
	Kyan Williams / PACE	8/28/23	1300	[Signature]	8/28/23	1300		

SAMPLES RECEIVED FROM REGULATORY: NAME OF SAMPLER: <u>Karen Stephenson, William Leaker, Meredith Duncan</u>		SIGNATURE OF SAMPLER: <u>[Signature]</u> NAME OF SAMPLER: <u>Kaplan Environmental</u>	DATE: <u>8/24/23</u>
RECEIVED BY: _____ NAME OF RECEIVER: _____			SIGNATURE OF RECEIVER: _____ NAME OF RECEIVER: _____



September 22, 2023

Kristen Jurinko

Southern Co.

241 Ralph McGill Blvd NE Bin 10160

Atlanta, GA 30308

RE: Project: Bowen AP-1- RADs
Pace Project No.: 92683382

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 17, 2023 and August 28, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Greensburg

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

Sincerely,

Bonnie Vang

bonnie.vang@pacelabs.com

704-977-0968

Project Manager

Enclosures

cc: Whitney Law, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Anthony Szwast, Geosyntec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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**SAMPLE SUMMARY**

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92683382001	BOW-BGWA-29	Water	08/16/23 11:10	08/17/23 14:32
92683382002	BOW-BGWA-48D	Water	08/16/23 11:03	08/17/23 14:32
92683382003	BOW-BGWC-8	Water	08/16/23 14:32	08/17/23 14:32
92683382004	BOW-BGWC-12	Water	08/16/23 14:39	08/17/23 14:32
92683382005	BOW-BGWC-14A	Water	08/16/23 13:00	08/17/23 14:32
92683382006	BOW-BGWA-47D	Water	08/15/23 13:04	08/17/23 14:32
92683382007	BOW-BGWA-6	Water	08/15/23 13:29	08/17/23 14:32
92683382008	BOW-BGWC-44D	Water	08/15/23 11:08	08/17/23 14:32
92683382009	BOW-AP1-FB-13	Water	08/16/23 15:45	08/17/23 14:32
92683382010	BOW-BGWC-50D	Water	08/15/23 15:25	08/17/23 14:32
92683382011	BOW-AP1-FD-08	Water	08/15/23 00:00	08/17/23 14:32
92683382012	BOW-AP1-FB-12	Water	08/15/23 15:40	08/17/23 14:32
92683382013	BOW-BGWC-7	Water	08/17/23 10:08	08/21/23 10:55
92683382014	BOW-BGWC-9	Water	08/17/23 12:57	08/21/23 10:55
92683382015	BOW-BGWC-10	Water	08/17/23 11:19	08/21/23 10:55
92683382016	BOW-BGWC-16	Water	08/17/23 11:15	08/21/23 10:55
92683382017	BOW-BGWC-17	Water	08/17/23 12:50	08/21/23 10:55
92683382018	BOW-BGWC-18	Water	08/17/23 14:45	08/21/23 10:55
92683382019	BOW-BGWC-25	Water	08/17/23 14:52	08/21/23 10:55
92683382020	BOW-AP1-FD-09	Water	08/17/23 00:00	08/21/23 10:55
92683382021	BOW-AP1-FB-14	Water	08/17/23 15:24	08/21/23 10:55
92683382022	BOW-BGWC-19	Water	08/18/23 09:55	08/21/23 10:55
92683382023	BOW-BGWC-20	Water	08/18/23 13:08	08/21/23 10:55
92683382024	BOW-BGWC-31	Water	08/18/23 12:50	08/21/23 10:55
92683382025	BOW-BGWC-32	Water	08/18/23 09:26	08/21/23 10:55
92683382026	BOW-BGWC-34D	Water	08/18/23 11:27	08/21/23 10:55
92683382027	BOW-BGWC-40	Water	08/18/23 11:30	08/21/23 10:55
92683382028	BOW-AP1-FB-15	Water	08/18/23 13:13	08/21/23 10:55
92683382029	BOW-BGWA-33	Water	08/23/23 10:01	08/24/23 09:10
92683382030	BOW-BGWA-2	Water	08/21/23 13:54	08/24/23 09:10
92683382031	BOW-BGWC-21	Water	08/23/23 12:51	08/24/23 09:10
92683382032	BOW-BGWC-23	Water	08/23/23 14:40	08/24/23 09:10
92683382033	BOW-BGWC-22	Water	08/22/23 13:21	08/24/23 09:10
92683382034	BOW-BGWC-30	Water	08/21/23 11:50	08/24/23 09:10
92683382035	BOW-BGWC-39	Water	08/23/23 12:10	08/24/23 09:10
92683382036	BOW-BGWC-41D	Water	08/23/23 14:50	08/24/23 09:10
92683382037	BOW-BGWC-43D	Water	08/23/23 10:32	08/24/23 09:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92683382038	BOW-BGWC-36D	Water	08/21/23 13:20	08/24/23 09:10
92683382039	BOW-BGWC-38D	Water	08/21/23 16:10	08/24/23 09:10
92683382040	BOW-AP1-FD-11	Water	08/23/23 00:00	08/24/23 09:10
92683382041	BOW-AP1-FB-18	Water	08/23/23 15:40	08/24/23 09:10
92683382042	BOW-AP1-EB-04	Water	08/23/23 15:55	08/24/23 09:10
92683382043	BOW-BGWC-49D	Water	08/22/23 15:05	08/24/23 09:10
92683382044	BOW-BGWC-52	Water	08/22/23 11:24	08/24/23 09:10
92683382045	BOW-AP1-FB-17	Water	08/22/23 16:11	08/24/23 09:10
92683382046	BOW-AP1-EB-03	Water	08/22/23 16:03	08/24/23 09:10
92683382047	BOW-BGWC-51	Water	08/21/23 15:46	08/24/23 09:10
92683382048	BOW-AP1-FD-10	Water	08/21/23 00:00	08/24/23 09:10
92683382049	BOW-AP1-FB-16	Water	08/21/23 16:50	08/24/23 09:10
92683382050	BOW-AP1-EB-02	Water	08/21/23 16:55	08/24/23 09:10
92683382051	BOW-BGWC-24	Water	08/25/23 10:30	08/28/23 09:00
92683382052	BOW-BGWC-35D	Water	08/24/23 12:15	08/28/23 09:00
92683382053	BOW-BGWC-37D	Water	08/24/23 13:39	08/28/23 09:00
92683382054	BOW-BGWC-42D	Water	08/24/23 15:27	08/28/23 09:00
92683382055	BOW-AP1-FB-19	Water	08/24/23 16:50	08/28/23 09:00
92683382056	BOW-AP1-EB-05	Water	08/24/23 16:56	08/28/23 09:00
92683382057	BOW-AP1-FB-20	Water	08/25/23 13:34	08/28/23 09:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92683382001	BOW-BGWA-29	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382002	BOW-BGWA-48D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382003	BOW-BGWC-8	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382004	BOW-BGWC-12	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382005	BOW-BGWC-14A	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382006	BOW-BGWA-47D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382007	BOW-BGWA-6	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382008	BOW-BGWC-44D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382009	BOW-AP1-FB-13	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382010	BOW-BGWC-50D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382011	BOW-AP1-FD-08	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382012	BOW-AP1-FB-12	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
92683382013	BOW-BGWC-7	EPA 9315	SLC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92683382014	BOW-BGWC-9	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382015	BOW-BGWC-10	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382016	BOW-BGWC-16	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382017	BOW-BGWC-17	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382018	BOW-BGWC-18	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382019	BOW-BGWC-25	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382020	BOW-AP1-FD-09	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382021	BOW-AP1-FB-14	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382022	BOW-BGWC-19	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382023	BOW-BGWC-20	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382024	BOW-BGWC-31	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382025	BOW-BGWC-32	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92683382026	BOW-BGWC-34D	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92683382027	BOW-BGWC-40	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92683382028	BOW-AP1-FB-15	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92683382029	BOW-BGWA-33	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92683382030	BOW-BGWA-2	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92683382031	BOW-BGWC-21	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92683382032	BOW-BGWC-23	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92683382033	BOW-BGWC-22	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92683382034	BOW-BGWC-30	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92683382035	BOW-BGWC-39	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
92683382036	BOW-BGWC-41D	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
92683382037	BOW-BGWC-43D	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92683382038	BOW-BGWC-36D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382039	BOW-BGWC-38D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382040	BOW-AP1-FD-11	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382041	BOW-AP1-FB-18	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382042	BOW-AP1-EB-04	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382043	BOW-BGWC-49D	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382044	BOW-BGWC-52	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382045	BOW-AP1-FB-17	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382046	BOW-AP1-EB-03	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382047	BOW-BGWC-51	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382048	BOW-AP1-FD-10	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382049	BOW-AP1-FB-16	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92683382050	BOW-AP1-EB-02	EPA 9315	SLC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92683382051	BOW-BGWC-24	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382052	BOW-BGWC-35D	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382053	BOW-BGWC-37D	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382054	BOW-BGWC-42D	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382055	BOW-AP1-FB-19	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382056	BOW-AP1-EB-05	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92683382057	BOW-AP1-FB-20	EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	JJS1	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382001	BOW-BGWA-29					
EPA 9315	Radium-226	0.0915U ± 0.294 (0.722)	pCi/L		09/13/23 11:43	
EPA 9320	Radium-228	C:91% T:NA 0.160U ± 0.296 (0.649) C:86% T:91%	pCi/L		09/07/23 14:59	
Total Radium Calculation	Total Radium	0.252U ± 0.590 (1.37)	pCi/L		09/13/23 15:31	
92683382002	BOW-BGWA-48D					
EPA 9315	Radium-226	0.343U ± 0.383 (0.777)	pCi/L		09/13/23 11:46	
EPA 9320	Radium-228	C:79% T:NA 0.235U ± 0.279 (0.588) C:86% T:90%	pCi/L		09/07/23 14:59	
Total Radium Calculation	Total Radium	0.578U ± 0.662 (1.37)	pCi/L		09/13/23 15:31	
92683382003	BOW-BGWC-8					
EPA 9315	Radium-226	0.386U ± 0.386 (0.766)	pCi/L		09/13/23 11:46	
EPA 9320	Radium-228	C:88% T:NA 0.405U ± 0.299 (0.577) C:82% T:91%	pCi/L		09/07/23 14:59	
Total Radium Calculation	Total Radium	0.791U ± 0.685 (1.34)	pCi/L		09/13/23 15:31	
92683382004	BOW-BGWC-12					
EPA 9315	Radium-226	0.0731U ± 0.275 (0.692)	pCi/L		09/13/23 11:46	
EPA 9320	Radium-228	C:87% T:NA 0.548U ± 0.358 (0.670) C:78% T:85%	pCi/L		09/07/23 14:59	
Total Radium Calculation	Total Radium	0.621U ± 0.633 (1.36)	pCi/L		09/13/23 15:31	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382005	BOW-BGWC-14A					
EPA 9315	Radium-226	0.0185U ± 0.251 (0.669)	pCi/L		09/13/23 11:46	
EPA 9320	Radium-228	C:91% T:NA 0.244U ± 0.287 (0.603)	pCi/L		09/07/23 14:59	
Total Radium Calculation	Total Radium	C:90% T:83% 0.263U ± 0.538 (1.27)	pCi/L		09/13/23 15:31	
92683382006	BOW-BGWA-47D					
EPA 9315	Radium-226	0.213U ± 0.323 (0.708)	pCi/L		09/13/23 11:46	
EPA 9320	Radium-228	C:81% T:NA 0.545U ± 0.314 (0.562)	pCi/L		09/07/23 15:00	
Total Radium Calculation	Total Radium	C:85% T:87% 0.758U ± 0.637 (1.27)	pCi/L		09/13/23 15:31	
92683382007	BOW-BGWA-6					
EPA 9315	Radium-226	0.206U ± 0.338 (0.756)	pCi/L		09/13/23 11:46	
EPA 9320	Radium-228	C:85% T:NA 0.203U ± 0.263 (0.559)	pCi/L		09/07/23 15:00	
Total Radium Calculation	Total Radium	C:87% T:93% 0.409U ± 0.601 (1.32)	pCi/L		09/13/23 15:31	
92683382008	BOW-BGWC-44D					
EPA 9315	Radium-226	0.458U ± 0.387 (0.708)	pCi/L		09/13/23 11:44	
EPA 9320	Radium-228	C:85% T:NA 0.325U ± 0.303 (0.616)	pCi/L		09/07/23 15:00	
Total Radium Calculation	Total Radium	C:89% T:89% 0.783U ± 0.690 (1.32)	pCi/L		09/13/23 15:31	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382009	BOW-AP1-FB-13					
EPA 9315	Radium-226	0.284U ± 0.317 (0.633) C:88% T:NA	pCi/L		09/13/23 11:44	
EPA 9320	Radium-228	0.735U ± 0.417 (0.778) C:83% T:91%	pCi/L		09/07/23 15:00	
Total Radium Calculation	Total Radium	1.02U ± 0.734 (1.41)	pCi/L		09/13/23 15:31	
92683382010	BOW-BGWC-50D					
EPA 9315	Radium-226	0.660U ± 0.430 (0.685) C:90% T:NA	pCi/L		09/13/23 11:44	
EPA 9320	Radium-228	0.814 ± 0.424 (0.764) C:80% T:89%	pCi/L		09/07/23 15:00	
Total Radium Calculation	Total Radium	1.47 ± 0.854 (1.45)	pCi/L		09/13/23 15:31	
92683382011	BOW-AP1-FD-08					
EPA 9315	Radium-226	0.370U ± 0.375 (0.735) C:81% T:NA	pCi/L		09/13/23 11:46	
EPA 9320	Radium-228	0.421U ± 0.370 (0.752) C:84% T:87%	pCi/L		09/07/23 15:00	
Total Radium Calculation	Total Radium	0.791U ± 0.745 (1.49)	pCi/L		09/13/23 15:31	
92683382012	BOW-AP1-FB-12					
EPA 9315	Radium-226	0.141U ± 0.308 (0.723) C:83% T:NA	pCi/L		09/13/23 11:47	
EPA 9320	Radium-228	0.542U ± 0.396 (0.778) C:85% T:86%	pCi/L		09/07/23 15:00	
Total Radium Calculation	Total Radium	0.683U ± 0.704 (1.50)	pCi/L		09/13/23 15:31	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382013	BOW-BGWC-7					
EPA 9315	Radium-226	0.790 ± 0.385 (0.541)	pCi/L		09/15/23 08:35	
EPA 9320	Radium-228	C:86% T:NA 0.659U ± 0.452 (0.852)	pCi/L		09/11/23 15:10	
Total Radium Calculation	Total Radium	C:63% T:82% 1.45 ± 0.837 (1.39)	pCi/L		09/19/23 15:38	
92683382014	BOW-BGWC-9					
EPA 9315	Radium-226	0.462U ± 0.327 (0.552)	pCi/L		09/15/23 08:38	
EPA 9320	Radium-228	C:76% T:NA 0.249U ± 0.526 (1.15)	pCi/L		09/11/23 15:09	
Total Radium Calculation	Total Radium	C:67% T:66% 0.711U ± 0.853 (1.70)	pCi/L		09/19/23 15:38	
92683382015	BOW-BGWC-10					
EPA 9315	Radium-226	0.942 ± 0.418 (0.498)	pCi/L		09/15/23 08:38	
EPA 9320	Radium-228	C:78% T:NA -0.00489U ± 0.400 (0.934)	pCi/L		09/11/23 15:11	
Total Radium Calculation	Total Radium	C:62% T:78% 0.942U ± 0.818 (1.43)	pCi/L		09/19/23 15:38	
92683382016	BOW-BGWC-16					
EPA 9315	Radium-226	0.634 ± 0.344 (0.491)	pCi/L		09/15/23 08:38	
EPA 9320	Radium-228	C:88% T:NA 0.578U ± 0.567 (1.16)	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	C:72% T:59% 1.21U ± 0.911 (1.65)	pCi/L		09/19/23 15:44	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382017	BOW-BGWC-17					
EPA 9315	Radium-226	0.163U ± 0.235 (0.508) C:85% T:NA	pCi/L		09/15/23 08:39	
EPA 9320	Radium-228	0.879 ± 0.433 (0.718) C:78% T:73%	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	1.04U ± 0.668 (1.23)	pCi/L		09/19/23 15:44	
92683382018	BOW-BGWC-18					
EPA 9315	Radium-226	0.0786U ± 0.181 (0.433) C:80% T:NA	pCi/L		09/15/23 08:39	
EPA 9320	Radium-228	1.08 ± 0.486 (0.780) C:80% T:68%	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	1.16U ± 0.667 (1.21)	pCi/L		09/19/23 15:44	
92683382019	BOW-BGWC-25					
EPA 9315	Radium-226	0.324U ± 0.269 (0.488) C:88% T:NA	pCi/L		09/15/23 08:39	
EPA 9320	Radium-228	0.585U ± 0.400 (0.754) C:78% T:73%	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	0.909U ± 0.669 (1.24)	pCi/L		09/19/23 15:44	
92683382020	BOW-AP1-FD-09					
EPA 9315	Radium-226	0.0326U ± 0.184 (0.477) C:87% T:NA	pCi/L		09/15/23 10:12	
EPA 9320	Radium-228	0.350U ± 0.582 (1.27) C:80% T:59%	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	0.383U ± 0.766 (1.75)	pCi/L		09/19/23 15:44	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382021	BOW-AP1-FB-14					
EPA 9315	Radium-226	0.271U ± 0.232 (0.413)	pCi/L		09/15/23 10:12	
EPA 9320	Radium-228	C:91% T:NA 0.399U ± 0.405 (0.841)	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	C:78% T:87% 0.670U ± 0.637 (1.25)	pCi/L		09/19/23 15:44	
92683382022	BOW-BGWC-19					
EPA 9315	Radium-226	0.465U ± 0.332 (0.592)	pCi/L		09/15/23 10:12	
EPA 9320	Radium-228	C:85% T:NA 1.02 ± 0.554 (1.01)	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	C:76% T:74% 1.49U ± 0.886 (1.60)	pCi/L		09/19/23 15:44	
92683382023	BOW-BGWC-20					
EPA 9315	Radium-226	0.256U ± 0.263 (0.523)	pCi/L		09/15/23 10:12	
EPA 9320	Radium-228	C:88% T:NA -0.139U ± 0.541 (1.27)	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	C:71% T:71% 0.256U ± 0.804 (1.79)	pCi/L		09/19/23 15:44	
92683382024	BOW-BGWC-31					
EPA 9315	Radium-226	0.757 ± 0.346 (0.408)	pCi/L		09/15/23 10:13	
EPA 9320	Radium-228	C:89% T:NA 1.06 ± 0.548 (0.946)	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	C:74% T:63% 1.82 ± 0.894 (1.35)	pCi/L		09/19/23 15:44	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382025	BOW-BGWC-32					
EPA 9315	Radium-226	0.712 ± 0.356 (0.509) C:91% T:NA	pCi/L		09/15/23 10:13	
EPA 9320	Radium-228	0.531U ± 0.437 (0.859) C:71% T:68%	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	1.24U ± 0.793 (1.37)	pCi/L		09/19/23 15:44	
92683382026	BOW-BGWC-34D					
EPA 9315	Radium-226	1.79 ± 0.554 (0.469) C:89% T:NA	pCi/L		09/15/23 10:16	
EPA 9320	Radium-228	0.570U ± 0.506 (1.02) C:75% T:63%	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	2.36 ± 1.06 (1.49)	pCi/L		09/19/23 15:44	
92683382027	BOW-BGWC-40					
EPA 9315	Radium-226	0.271U ± 0.268 (0.523) C:81% T:NA	pCi/L		09/15/23 10:16	
EPA 9320	Radium-228	0.871U ± 0.506 (0.919) C:74% T:68%	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	1.14U ± 0.774 (1.44)	pCi/L		09/19/23 15:44	
92683382028	BOW-AP1-FB-15					
EPA 9315	Radium-226	0.103U ± 0.187 (0.424) C:80% T:NA	pCi/L		09/15/23 10:16	
EPA 9320	Radium-228	0.960 ± 0.438 (0.711) C:73% T:81%	pCi/L		09/18/23 13:03	
Total Radium Calculation	Total Radium	1.06U ± 0.625 (1.14)	pCi/L		09/19/23 15:44	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382029	BOW-BGWA-33					
EPA 9315	Radium-226	0.876 ± 0.392 (0.487) C:82% T:NA	pCi/L		09/15/23 10:16	
EPA 9320	Radium-228	0.318U ± 0.321 (0.660) C:75% T:87%	pCi/L		09/18/23 13:04	
Total Radium Calculation	Total Radium	1.19 ± 0.713 (1.15)	pCi/L		09/19/23 15:44	
92683382030	BOW-BGWA-2					
EPA 9315	Radium-226	0.229U ± 0.278 (0.578) C:75% T:NA	pCi/L		09/15/23 10:16	
EPA 9320	Radium-228	0.332U ± 0.410 (0.866) C:74% T:78%	pCi/L		09/18/23 13:04	
Total Radium Calculation	Total Radium	0.561U ± 0.688 (1.44)	pCi/L		09/19/23 15:44	
92683382031	BOW-BGWC-21					
EPA 9315	Radium-226	0.293U ± 0.267 (0.502) C:83% T:NA	pCi/L		09/15/23 10:15	
EPA 9320	Radium-228	0.411U ± 0.568 (1.22) C:72% T:69%	pCi/L		09/18/23 13:04	
Total Radium Calculation	Total Radium	0.704U ± 0.835 (1.72)	pCi/L		09/19/23 15:44	
92683382032	BOW-BGWC-23					
EPA 9315	Radium-226	0.471U ± 0.303 (0.472) C:82% T:NA	pCi/L		09/15/23 10:15	
EPA 9320	Radium-228	0.328U ± 0.546 (1.19) C:72% T:68%	pCi/L		09/18/23 13:04	
Total Radium Calculation	Total Radium	0.799U ± 0.849 (1.66)	pCi/L		09/19/23 15:44	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382033	BOW-BGWC-22					
EPA 9315	Radium-226	1.13 ± 0.340 (0.302)	pCi/L		09/19/23 08:26	
EPA 9320	Radium-228	C:87% T:NA 1.30 ± 0.569 (0.951)	pCi/L		09/18/23 13:04	
Total Radium Calculation	Total Radium	C:76% T:77% 2.43 ± 0.909 (1.25)	pCi/L		09/19/23 15:44	
92683382034	BOW-BGWC-30					
EPA 9315	Radium-226	0.480 ± 0.233 (0.341)	pCi/L		09/19/23 08:26	
EPA 9320	Radium-228	C:83% T:NA 0.506U ± 0.536 (1.12)	pCi/L		09/18/23 13:04	
Total Radium Calculation	Total Radium	C:77% T:69% 0.986U ± 0.769 (1.46)	pCi/L		09/19/23 15:44	
92683382035	BOW-BGWC-39					
EPA 9315	Radium-226	0.529 ± 0.233 (0.305)	pCi/L		09/19/23 08:26	
EPA 9320	Radium-228	C:90% T:NA 0.933U ± 0.611 (1.18)	pCi/L		09/18/23 13:04	
Total Radium Calculation	Total Radium	C:74% T:67% 1.46U ± 0.844 (1.49)	pCi/L		09/19/23 15:44	
92683382036	BOW-BGWC-41D					
EPA 9315	Radium-226	0.971 ± 0.322 (0.332)	pCi/L		09/19/23 08:26	
EPA 9320	Radium-228	C:83% T:NA 1.09 ± 0.567 (1.02)	pCi/L		09/18/23 13:05	
Total Radium Calculation	Total Radium	C:80% T:69% 2.06 ± 0.889 (1.35)	pCi/L		09/19/23 15:43	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382037	BOW-BGWC-43D					
EPA 9315	Radium-226	0.448 ± 0.203 (0.262) C:90% T:NA	pCi/L		09/19/23 08:26	
EPA 9320	Radium-228	1.34 ± 0.624 (1.07) C:79% T:65%	pCi/L		09/18/23 13:05	
Total Radium Calculation	Total Radium	1.79 ± 0.827 (1.33)	pCi/L		09/19/23 15:43	
92683382038	BOW-BGWC-36D					
EPA 9315	Radium-226	0.513 ± 0.225 (0.287) C:85% T:NA	pCi/L		09/19/23 08:27	
EPA 9320	Radium-228	0.676U ± 0.471 (0.914) C:79% T:73%	pCi/L		09/18/23 13:05	
Total Radium Calculation	Total Radium	1.19U ± 0.696 (1.20)	pCi/L		09/19/23 15:43	
92683382039	BOW-BGWC-38D					
EPA 9315	Radium-226	1.18 ± 0.341 (0.277) C:88% T:NA	pCi/L		09/19/23 08:27	
EPA 9320	Radium-228	2.08 ± 0.692 (0.968) C:79% T:71%	pCi/L		09/18/23 13:05	
Total Radium Calculation	Total Radium	3.26 ± 1.03 (1.25)	pCi/L		09/19/23 15:43	
92683382040	BOW-AP1-FD-11					
EPA 9315	Radium-226	0.951 ± 0.306 (0.303) C:86% T:NA	pCi/L		09/19/23 09:26	
EPA 9320	Radium-228	0.940U ± 0.629 (1.22) C:76% T:63%	pCi/L		09/18/23 13:05	
Total Radium Calculation	Total Radium	1.89 ± 0.935 (1.52)	pCi/L		09/19/23 15:43	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382041	BOW-AP1-FB-18					
EPA 9315	Radium-226	0.367 ± 0.182 (0.245) C:90% T:NA	pCi/L		09/19/23 08:27	
EPA 9320	Radium-228	0.326U ± 0.409 (0.869) C:75% T:84%	pCi/L		09/18/23 13:05	
Total Radium Calculation	Total Radium	0.693U ± 0.591 (1.11)	pCi/L		09/19/23 15:43	
92683382042	BOW-AP1-EB-04					
EPA 9315	Radium-226	0.131U ± 0.139 (0.278) C:85% T:NA	pCi/L		09/19/23 08:27	
EPA 9320	Radium-228	0.204U ± 0.351 (0.765) C:79% T:82%	pCi/L		09/18/23 13:06	
Total Radium Calculation	Total Radium	0.335U ± 0.490 (1.04)	pCi/L		09/19/23 15:43	
92683382043	BOW-BGWC-49D					
EPA 9315	Radium-226	1.25 ± 0.347 (0.264) C:88% T:NA	pCi/L		09/19/23 08:27	
EPA 9320	Radium-228	1.72 ± 0.623 (0.925) C:79% T:73%	pCi/L		09/18/23 13:06	
Total Radium Calculation	Total Radium	2.97 ± 0.970 (1.19)	pCi/L		09/19/23 15:43	
92683382044	BOW-BGWC-52					
EPA 9315	Radium-226	0.135U ± 0.137 (0.263) C:75% T:NA	pCi/L		09/19/23 08:27	
EPA 9320	Radium-228	0.751U ± 0.781 (1.63) C:75% T:68%	pCi/L		09/18/23 16:12	
Total Radium Calculation	Total Radium	0.886U ± 0.918 (1.89)	pCi/L		09/19/23 15:43	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382045	BOW-AP1-FB-17					
EPA 9315	Radium-226	0.129U ± 0.161 (0.340)	pCi/L		09/19/23 08:27	
EPA 9320	Radium-228	C:71% T:NA 0.0844U ± 0.367 (0.833) C:83% T:84%	pCi/L		09/18/23 16:58	
Total Radium Calculation	Total Radium	0.213U ± 0.528 (1.17)	pCi/L		09/19/23 15:43	
92683382046	BOW-AP1-EB-03					
EPA 9315	Radium-226	0.0205U ± 0.117 (0.298)	pCi/L		09/19/23 08:29	
EPA 9320	Radium-228	C:87% T:NA 0.537U ± 0.412 (0.816) C:81% T:90%	pCi/L		09/18/23 16:58	
Total Radium Calculation	Total Radium	0.558U ± 0.529 (1.11)	pCi/L		09/19/23 15:43	
92683382047	BOW-BGWC-51					
EPA 9315	Radium-226	0.105U ± 0.151 (0.332)	pCi/L		09/19/23 08:29	
EPA 9320	Radium-228	C:87% T:NA 0.178U ± 0.508 (1.14) C:76% T:71%	pCi/L		09/18/23 16:59	
Total Radium Calculation	Total Radium	0.283U ± 0.659 (1.47)	pCi/L		09/19/23 15:43	
92683382048	BOW-AP1-FD-10					
EPA 9315	Radium-226	0.547 ± 0.236 (0.293)	pCi/L		09/19/23 08:29	
EPA 9320	Radium-228	C:84% T:NA 1.61 ± 0.713 (1.19) C:78% T:66%	pCi/L		09/18/23 16:59	
Total Radium Calculation	Total Radium	2.16 ± 0.949 (1.48)	pCi/L		09/19/23 15:43	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382049	BOW-AP1-FB-16					
EPA 9315	Radium-226	0.0587U ± 0.121 (0.281) C:90% T:NA	pCi/L		09/19/23 08:29	
EPA 9320	Radium-228	0.182U ± 0.390 (0.861) C:80% T:84%	pCi/L		09/18/23 16:59	
Total Radium Calculation	Total Radium	0.241U ± 0.511 (1.14)	pCi/L		09/19/23 15:43	
92683382050	BOW-AP1-EB-02					
EPA 9315	Radium-226	0.0575U ± 0.118 (0.275) C:94% T:NA	pCi/L		09/19/23 08:30	
EPA 9320	Radium-228	0.195U ± 0.396 (0.872) C:78% T:89%	pCi/L		09/18/23 16:59	
Total Radium Calculation	Total Radium	0.253U ± 0.514 (1.15)	pCi/L		09/19/23 15:43	
92683382051	BOW-BGWC-24					
EPA 9315	Radium-226	0.240U ± 0.174 (0.307) C:89% T:NA	pCi/L		09/19/23 08:30	
EPA 9320	Radium-228	1.39U ± 0.952 (1.85) C:85% T:41%	pCi/L		09/18/23 16:59	
Total Radium Calculation	Total Radium	1.63U ± 1.13 (2.16)	pCi/L		09/19/23 15:43	
92683382052	BOW-BGWC-35D					
EPA 9315	Radium-226	0.999 ± 0.308 (0.274) C:93% T:NA	pCi/L		09/19/23 08:31	
EPA 9320	Radium-228	2.09 ± 0.712 (1.02) C:84% T:71%	pCi/L		09/18/23 16:59	
Total Radium Calculation	Total Radium	3.09 ± 1.02 (1.29)	pCi/L		09/19/23 15:43	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382053	BOW-BGWC-37D					
EPA 9315	Radium-226	0.921 ± 0.286 (0.254)	pCi/L		09/20/23 18:53	
EPA 9320	Radium-228	C:91% T:NA 2.14 ± 0.740 (1.04)	pCi/L		09/18/23 16:59	
Total Radium Calculation	Total Radium	C:75% T:70% 3.06 ± 1.03 (1.29)	pCi/L		09/21/23 15:15	
92683382054	BOW-BGWC-42D					
EPA 9315	Radium-226	0.351 ± 0.200 (0.313)	pCi/L		09/20/23 18:57	
EPA 9320	Radium-228	C:84% T:NA 1.02 ± 0.525 (0.912)	pCi/L		09/18/23 16:59	
Total Radium Calculation	Total Radium	C:79% T:71% 1.37 ± 0.725 (1.23)	pCi/L		09/21/23 15:15	
92683382055	BOW-AP1-FB-19					
EPA 9315	Radium-226	0.0368U ± 0.134 (0.330)	pCi/L		09/21/23 08:34	
EPA 9320	Radium-228	C:77% T:NA 0.0245U ± 0.369 (0.852)	pCi/L		09/18/23 16:59	
Total Radium Calculation	Total Radium	C:82% T:84% 0.0613U ± 0.503 (1.18)	pCi/L		09/21/23 15:15	
92683382056	BOW-AP1-EB-05					
EPA 9315	Radium-226	0.0829U ± 0.119 (0.259)	pCi/L		09/21/23 08:35	
EPA 9320	Radium-228	C:90% T:NA 0.0969U ± 0.363 (0.801)	pCi/L		09/18/23 15:02	
Total Radium Calculation	Total Radium	C:64% T:85% 0.180U ± 0.482 (1.06)	pCi/L		09/21/23 15:15	

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SUMMARY OF DETECTION

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92683382057	BOW-AP1-FB-20					
EPA 9315	Radium-226	0.271 ± 0.160 (0.244) C:84% T:NA	pCi/L		09/21/23 08:35	
EPA 9320	Radium-228	0.349U ± 0.451 (0.937) C:53% T:76%	pCi/L		09/18/23 15:03	
Total Radium Calculation	Total Radium	0.620U ± 0.611 (1.18)	pCi/L		09/21/23 15:15	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWA-29 **Lab ID: 92683382001** Collected: 08/16/23 11:10 Received: 08/17/23 14:32 Matrix: Water
 PWS: Site ID: Sample Type:
 Comments: • Added 5.0 HNO3 to sample 001 = 1/2 and 2/2, 004 = 1/2, 005 = 2/2.

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0915U ± 0.294 (0.722) C:91% T:NA	pCi/L	09/13/23 11:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.160U ± 0.296 (0.649) C:86% T:91%	pCi/L	09/07/23 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.252U ± 0.590 (1.37)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWA-48D	Lab ID: 92683382002	Collected: 08/16/23 11:03	Received: 08/17/23 14:32	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.343U ± 0.383 (0.777) C:79% T:NA	pCi/L	09/13/23 11:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.235U ± 0.279 (0.588) C:86% T:90%	pCi/L	09/07/23 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.578U ± 0.662 (1.37)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-8 **Lab ID: 92683382003** Collected: 08/16/23 14:32 Received: 08/17/23 14:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.386U ± 0.386 (0.766) C:88% T:NA	pCi/L	09/13/23 11:46	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.405U ± 0.299 (0.577) C:82% T:91%	pCi/L	09/07/23 14:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.791U ± 0.685 (1.34)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-12 **Lab ID: 92683382004** Collected: 08/16/23 14:39 Received: 08/17/23 14:32 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0731U ± 0.275 (0.692) C:87% T:NA	pCi/L	09/13/23 11:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.548U ± 0.358 (0.670) C:78% T:85%	pCi/L	09/07/23 14:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.621U ± 0.633 (1.36)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-14A Lab ID: 92683382005 Collected: 08/16/23 13:00 Received: 08/17/23 14:32 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0185U ± 0.251 (0.669) C:91% T:NA	pCi/L	09/13/23 11:46	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.244U ± 0.287 (0.603) C:90% T:83%	pCi/L	09/07/23 14:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.263U ± 0.538 (1.27)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWA-47D	Lab ID: 92683382006	Collected: 08/15/23 13:04	Received: 08/17/23 14:32	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.213U ± 0.323 (0.708) C:81% T:NA	pCi/L	09/13/23 11:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.545U ± 0.314 (0.562) C:85% T:87%	pCi/L	09/07/23 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.758U ± 0.637 (1.27)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWA-6 **Lab ID: 92683382007** Collected: 08/15/23 13:29 Received: 08/17/23 14:32 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.206U ± 0.338 (0.756) C:85% T:NA	pCi/L	09/13/23 11:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.203U ± 0.263 (0.559) C:87% T:93%	pCi/L	09/07/23 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.409U ± 0.601 (1.32)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-44D	Lab ID: 92683382008	Collected: 08/15/23 11:08	Received: 08/17/23 14:32	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.458U ± 0.387 (0.708) C:85% T:NA	pCi/L	09/13/23 11:44	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.325U ± 0.303 (0.616) C:89% T:89%	pCi/L	09/07/23 15:00	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.783U ± 0.690 (1.32)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FB-13 **Lab ID: 92683382009** Collected: 08/16/23 15:45 Received: 08/17/23 14:32 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.284U ± 0.317 (0.633) C:88% T:NA	pCi/L	09/13/23 11:44	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.735U ± 0.417 (0.778) C:83% T:91%	pCi/L	09/07/23 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.02U ± 0.734 (1.41)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-50D Lab ID: 92683382010 Collected: 08/15/23 15:25 Received: 08/17/23 14:32 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.660U ± 0.430 (0.685) C:90% T:NA	pCi/L	09/13/23 11:44	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.814 ± 0.424 (0.764) C:80% T:89%	pCi/L	09/07/23 15:00	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.47 ± 0.854 (1.45)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FD-08 **Lab ID: 92683382011** Collected: 08/15/23 00:00 Received: 08/17/23 14:32 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.370U ± 0.375 (0.735) C:81% T:NA	pCi/L	09/13/23 11:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.421U ± 0.370 (0.752) C:84% T:87%	pCi/L	09/07/23 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.791U ± 0.745 (1.49)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FB-12 **Lab ID: 92683382012** Collected: 08/15/23 15:40 Received: 08/17/23 14:32 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.141U ± 0.308 (0.723) C:83% T:NA	pCi/L	09/13/23 11:47	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.542U ± 0.396 (0.778) C:85% T:86%	pCi/L	09/07/23 15:00	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.683U ± 0.704 (1.50)	pCi/L	09/13/23 15:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-7	Lab ID: 92683382013	Collected: 08/17/23 10:08	Received: 08/21/23 10:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.790 ± 0.385 (0.541) C:86% T:NA	pCi/L	09/15/23 08:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.659U ± 0.452 (0.852) C:63% T:82%	pCi/L	09/11/23 15:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.45 ± 0.837 (1.39)	pCi/L	09/19/23 15:38	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-9 **Lab ID: 92683382014** Collected: 08/17/23 12:57 Received: 08/21/23 10:55 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.462U ± 0.327 (0.552) C:76% T:NA	pCi/L	09/15/23 08:38	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.249U ± 0.526 (1.15) C:67% T:66%	pCi/L	09/11/23 15:09	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.711U ± 0.853 (1.70)	pCi/L	09/19/23 15:38	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-10	Lab ID: 92683382015	Collected: 08/17/23 11:19	Received: 08/21/23 10:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.942 ± 0.418 (0.498) C:78% T:NA	pCi/L	09/15/23 08:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.00489U ± 0.400 (0.934) C:62% T:78%	pCi/L	09/11/23 15:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.942U ± 0.818 (1.43)	pCi/L	09/19/23 15:38	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-16	Lab ID: 92683382016	Collected: 08/17/23 11:15	Received: 08/21/23 10:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.634 ± 0.344 (0.491) C:88% T:NA	pCi/L	09/15/23 08:38	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.578U ± 0.567 (1.16) C:72% T:59%	pCi/L	09/18/23 13:03	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.21U ± 0.911 (1.65)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-17 Lab ID: 92683382017 Collected: 08/17/23 12:50 Received: 08/21/23 10:55 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.163U ± 0.235 (0.508) C:85% T:NA	pCi/L	09/15/23 08:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.879 ± 0.433 (0.718) C:78% T:73%	pCi/L	09/18/23 13:03	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.04U ± 0.668 (1.23)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-18 **Lab ID: 92683382018** Collected: 08/17/23 14:45 Received: 08/21/23 10:55 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0786U ± 0.181 (0.433) C:80% T:NA	pCi/L	09/15/23 08:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.08 ± 0.486 (0.780) C:80% T:68%	pCi/L	09/18/23 13:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.16U ± 0.667 (1.21)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-25	Lab ID: 92683382019	Collected: 08/17/23 14:52	Received: 08/21/23 10:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.324U ± 0.269 (0.488) C:88% T:NA	pCi/L	09/15/23 08:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.585U ± 0.400 (0.754) C:78% T:73%	pCi/L	09/18/23 13:03	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.909U ± 0.669 (1.24)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FD-09 **Lab ID: 92683382020** Collected: 08/17/23 00:00 Received: 08/21/23 10:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0326U ± 0.184 (0.477) C:87% T:NA	pCi/L	09/15/23 10:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.350U ± 0.582 (1.27) C:80% T:59%	pCi/L	09/18/23 13:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.383U ± 0.766 (1.75)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FB-14 **Lab ID: 92683382021** Collected: 08/17/23 15:24 Received: 08/21/23 10:55 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.271U ± 0.232 (0.413) C:91% T:NA	pCi/L	09/15/23 10:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.399U ± 0.405 (0.841) C:78% T:87%	pCi/L	09/18/23 13:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.670U ± 0.637 (1.25)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-19	Lab ID: 92683382022	Collected: 08/18/23 09:55	Received: 08/21/23 10:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.465U ± 0.332 (0.592) C:85% T:NA	pCi/L	09/15/23 10:12	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.02 ± 0.554 (1.01) C:76% T:74%	pCi/L	09/18/23 13:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.49U ± 0.886 (1.60)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-20	Lab ID: 92683382023	Collected: 08/18/23 13:08	Received: 08/21/23 10:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.256U ± 0.263 (0.523) C:88% T:NA	pCi/L	09/15/23 10:12	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	-0.139U ± 0.541 (1.27) C:71% T:71%	pCi/L	09/18/23 13:03	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.256U ± 0.804 (1.79)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-31 Lab ID: 92683382024 Collected: 08/18/23 12:50 Received: 08/21/23 10:55 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.757 ± 0.346 (0.408) C:89% T:NA	pCi/L	09/15/23 10:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.06 ± 0.548 (0.946) C:74% T:63%	pCi/L	09/18/23 13:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.82 ± 0.894 (1.35)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-32 Lab ID: 92683382025 Collected: 08/18/23 09:26 Received: 08/21/23 10:55 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.712 ± 0.356 (0.509) C:91% T:NA	pCi/L	09/15/23 10:13	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.531U ± 0.437 (0.859) C:71% T:68%	pCi/L	09/18/23 13:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.24U ± 0.793 (1.37)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-34D	Lab ID: 92683382026	Collected: 08/18/23 11:27	Received: 08/21/23 10:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.79 ± 0.554 (0.469) C:89% T:NA	pCi/L	09/15/23 10:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.570U ± 0.506 (1.02) C:75% T:63%	pCi/L	09/18/23 13:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.36 ± 1.06 (1.49)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-40 Lab ID: 92683382027 Collected: 08/18/23 11:30 Received: 08/21/23 10:55 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.271U ± 0.268 (0.523) C:81% T:NA	pCi/L	09/15/23 10:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.871U ± 0.506 (0.919) C:74% T:68%	pCi/L	09/18/23 13:03	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.14U ± 0.774 (1.44)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FB-15 **Lab ID: 92683382028** Collected: 08/18/23 13:13 Received: 08/21/23 10:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.103U ± 0.187 (0.424) C:80% T:NA	pCi/L	09/15/23 10:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.960 ± 0.438 (0.711) C:73% T:81%	pCi/L	09/18/23 13:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.06U ± 0.625 (1.14)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWA-33 Lab ID: 92683382029 Collected: 08/23/23 10:01 Received: 08/24/23 09:10 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.876 ± 0.392 (0.487) C:82% T:NA	pCi/L	09/15/23 10:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.318U ± 0.321 (0.660) C:75% T:87%	pCi/L	09/18/23 13:04	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.19 ± 0.713 (1.15)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWA-2 **Lab ID: 92683382030** Collected: 08/21/23 13:54 Received: 08/24/23 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.229U ± 0.278 (0.578) C:75% T:NA	pCi/L	09/15/23 10:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.332U ± 0.410 (0.866) C:74% T:78%	pCi/L	09/18/23 13:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.561U ± 0.688 (1.44)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-21 Lab ID: 92683382031 Collected: 08/23/23 12:51 Received: 08/24/23 09:10 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.293U ± 0.267 (0.502) C:83% T:NA	pCi/L	09/15/23 10:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.411U ± 0.568 (1.22) C:72% T:69%	pCi/L	09/18/23 13:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.704U ± 0.835 (1.72)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-23 **Lab ID: 92683382032** Collected: 08/23/23 14:40 Received: 08/24/23 09:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.471U ± 0.303 (0.472) C:82% T:NA	pCi/L	09/15/23 10:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.328U ± 0.546 (1.19) C:72% T:68%	pCi/L	09/18/23 13:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.799U ± 0.849 (1.66)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-22 Lab ID: 92683382033 Collected: 08/22/23 13:21 Received: 08/24/23 09:10 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.13 ± 0.340 (0.302) C:87% T:NA	pCi/L	09/19/23 08:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.30 ± 0.569 (0.951) C:76% T:77%	pCi/L	09/18/23 13:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.43 ± 0.909 (1.25)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-30 **Lab ID: 92683382034** Collected: 08/21/23 11:50 Received: 08/24/23 09:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.480 ± 0.233 (0.341) C:83% T:NA	pCi/L	09/19/23 08:26	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.506U ± 0.536 (1.12) C:77% T:69%	pCi/L	09/18/23 13:04	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.986U ± 0.769 (1.46)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-39	Lab ID: 92683382035	Collected: 08/23/23 12:10	Received: 08/24/23 09:10	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.529 ± 0.233 (0.305) C:90% T:NA	pCi/L	09/19/23 08:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.933U ± 0.611 (1.18) C:74% T:67%	pCi/L	09/18/23 13:04	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.46U ± 0.844 (1.49)	pCi/L	09/19/23 15:44	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-41D	Lab ID: 92683382036	Collected: 08/23/23 14:50	Received: 08/24/23 09:10	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.971 ± 0.322 (0.332) C:83% T:NA	pCi/L	09/19/23 08:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.09 ± 0.567 (1.02) C:80% T:69%	pCi/L	09/18/23 13:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.06 ± 0.889 (1.35)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-43D **Lab ID: 92683382037** Collected: 08/23/23 10:32 Received: 08/24/23 09:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.448 ± 0.203 (0.262) C:90% T:NA	pCi/L	09/19/23 08:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.34 ± 0.624 (1.07) C:79% T:65%	pCi/L	09/18/23 13:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.79 ± 0.827 (1.33)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-36D	Lab ID: 92683382038	Collected: 08/21/23 13:20	Received: 08/24/23 09:10	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.513 ± 0.225 (0.287) C:85% T:NA	pCi/L	09/19/23 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.676U ± 0.471 (0.914) C:79% T:73%	pCi/L	09/18/23 13:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.19U ± 0.696 (1.20)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-38D **Lab ID: 92683382039** Collected: 08/21/23 16:10 Received: 08/24/23 09:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.18 ± 0.341 (0.277) C:88% T:NA	pCi/L	09/19/23 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	2.08 ± 0.692 (0.968) C:79% T:71%	pCi/L	09/18/23 13:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	3.26 ± 1.03 (1.25)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-AP1-FD-11 Lab ID: 92683382040 Collected: 08/23/23 00:00 Received: 08/24/23 09:10 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.951 ± 0.306 (0.303) C:86% T:NA	pCi/L	09/19/23 09:26	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.940U ± 0.629 (1.22) C:76% T:63%	pCi/L	09/18/23 13:05	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.89 ± 0.935 (1.52)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FB-18 **Lab ID: 92683382041** Collected: 08/23/23 15:40 Received: 08/24/23 09:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.367 ± 0.182 (0.245) C:90% T:NA	pCi/L	09/19/23 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.326U ± 0.409 (0.869) C:75% T:84%	pCi/L	09/18/23 13:05	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.693U ± 0.591 (1.11)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-EB-04 **Lab ID: 92683382042** Collected: 08/23/23 15:55 Received: 08/24/23 09:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.131U ± 0.139 (0.278) C:85% T:NA	pCi/L	09/19/23 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.204U ± 0.351 (0.765) C:79% T:82%	pCi/L	09/18/23 13:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.335U ± 0.490 (1.04)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-49D	Lab ID: 92683382043	Collected: 08/22/23 15:05	Received: 08/24/23 09:10	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	1.25 ± 0.347 (0.264) C:88% T:NA	pCi/L	09/19/23 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.72 ± 0.623 (0.925) C:79% T:73%	pCi/L	09/18/23 13:06	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.97 ± 0.970 (1.19)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-52 **Lab ID: 92683382044** Collected: 08/22/23 11:24 Received: 08/24/23 09:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.135U ± 0.137 (0.263) C:75% T:NA	pCi/L	09/19/23 08:27	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.751U ± 0.781 (1.63) C:75% T:68%	pCi/L	09/18/23 16:12	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.886U ± 0.918 (1.89)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FB-17 **Lab ID: 92683382045** Collected: 08/22/23 16:11 Received: 08/24/23 09:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.129U ± 0.161 (0.340) C:71% T:NA	pCi/L	09/19/23 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0844U ± 0.367 (0.833) C:83% T:84%	pCi/L	09/18/23 16:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.213U ± 0.528 (1.17)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-EB-03 **Lab ID: 92683382046** Collected: 08/22/23 16:03 Received: 08/24/23 09:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0205U ± 0.117 (0.298) C:87% T:NA	pCi/L	09/19/23 08:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.537U ± 0.412 (0.816) C:81% T:90%	pCi/L	09/18/23 16:58	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.558U ± 0.529 (1.11)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-51 Lab ID: 92683382047 Collected: 08/21/23 15:46 Received: 08/24/23 09:10 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.105U ± 0.151 (0.332) C:87% T:NA	pCi/L	09/19/23 08:29	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.178U ± 0.508 (1.14) C:76% T:71%	pCi/L	09/18/23 16:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.283U ± 0.659 (1.47)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FD-10	Lab ID: 92683382048	Collected: 08/21/23 00:00	Received: 08/24/23 09:10	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.547 ± 0.236 (0.293) C:84% T:NA	pCi/L	09/19/23 08:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.61 ± 0.713 (1.19) C:78% T:66%	pCi/L	09/18/23 16:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.16 ± 0.949 (1.48)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FB-16 **Lab ID: 92683382049** Collected: 08/21/23 16:50 Received: 08/24/23 09:10 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0587U ± 0.121 (0.281) C:90% T:NA	pCi/L	09/19/23 08:29	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.182U ± 0.390 (0.861) C:80% T:84%	pCi/L	09/18/23 16:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.241U ± 0.511 (1.14)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-EB-02 **Lab ID: 92683382050** Collected: 08/21/23 16:55 Received: 08/24/23 09:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0575U ± 0.118 (0.275) C:94% T:NA	pCi/L	09/19/23 08:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.195U ± 0.396 (0.872) C:78% T:89%	pCi/L	09/18/23 16:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.253U ± 0.514 (1.15)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-24 **Lab ID: 92683382051** Collected: 08/25/23 10:30 Received: 08/28/23 09:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.240U ± 0.174 (0.307) C:89% T:NA	pCi/L	09/19/23 08:30	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.39U ± 0.952 (1.85) C:85% T:41%	pCi/L	09/18/23 16:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.63U ± 1.13 (2.16)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-BGWC-35D Lab ID: 92683382052 Collected: 08/24/23 12:15 Received: 08/28/23 09:00 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.999 ± 0.308 (0.274) C:93% T:NA	pCi/L	09/19/23 08:31	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	2.09 ± 0.712 (1.02) C:84% T:71%	pCi/L	09/18/23 16:59	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	3.09 ± 1.02 (1.29)	pCi/L	09/19/23 15:43	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-37D	Lab ID: 92683382053	Collected: 08/24/23 13:39	Received: 08/28/23 09:00	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.921 ± 0.286 (0.254) C:91% T:NA	pCi/L	09/20/23 18:53	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	2.14 ± 0.740 (1.04) C:75% T:70%	pCi/L	09/18/23 16:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	3.06 ± 1.03 (1.29)	pCi/L	09/21/23 15:15	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-BGWC-42D	Lab ID: 92683382054	Collected: 08/24/23 15:27	Received: 08/28/23 09:00	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.351 ± 0.200 (0.313) C:84% T:NA	pCi/L	09/20/23 18:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.02 ± 0.525 (0.912) C:79% T:71%	pCi/L	09/18/23 16:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.37 ± 0.725 (1.23)	pCi/L	09/21/23 15:15	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FB-19 **Lab ID: 92683382055** Collected: 08/24/23 16:50 Received: 08/28/23 09:00 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0368U ± 0.134 (0.330) C:77% T:NA	pCi/L	09/21/23 08:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0245U ± 0.369 (0.852) C:82% T:84%	pCi/L	09/18/23 16:59	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.0613U ± 0.503 (1.18)	pCi/L	09/21/23 15:15	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-EB-05 **Lab ID: 92683382056** Collected: 08/24/23 16:56 Received: 08/28/23 09:00 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0829U ± 0.119 (0.259) C:90% T:NA	pCi/L	09/21/23 08:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0969U ± 0.363 (0.801) C:64% T:85%	pCi/L	09/18/23 15:02	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.180U ± 0.482 (1.06)	pCi/L	09/21/23 15:15	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Sample: BOW-AP1-FB-20 **Lab ID: 92683382057** Collected: 08/25/23 13:34 Received: 08/28/23 09:00 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.271 ± 0.160 (0.244) C:84% T:NA	pCi/L	09/21/23 08:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.349U ± 0.451 (0.937) C:53% T:76%	pCi/L	09/18/23 15:03	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.620U ± 0.611 (1.18)	pCi/L	09/21/23 15:15	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

QC Batch:	614488	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92683382036, 92683382037, 92683382038, 92683382039, 92683382040, 92683382041, 92683382042, 92683382043, 92683382044, 92683382045, 92683382046, 92683382047, 92683382048, 92683382049, 92683382050, 92683382051, 92683382052, 92683382053, 92683382054, 92683382055

METHOD BLANK:	2991799	Matrix:	Water
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Associated Lab Samples: 92683382036, 92683382037, 92683382038, 92683382039, 92683382040, 92683382041, 92683382042, 92683382043, 92683382044, 92683382045, 92683382046, 92683382047, 92683382048, 92683382049, 92683382050, 92683382051, 92683382052, 92683382053, 92683382054, 92683382055

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.240 ± 0.332 (0.711) C:75% T:84%	pCi/L	09/18/23 13:06	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

QC Batch:	612655	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92683382001, 92683382002, 92683382003, 92683382004, 92683382005, 92683382006, 92683382007, 92683382008, 92683382009, 92683382010, 92683382011, 92683382012

METHOD BLANK:	2982189	Matrix:	Water
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Associated Lab Samples: 92683382001, 92683382002, 92683382003, 92683382004, 92683382005, 92683382006, 92683382007, 92683382008, 92683382009, 92683382010, 92683382011, 92683382012

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0574 ± 0.265 (0.671) C:94% T:NA	pCi/L	09/13/23 11:43	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

QC Batch:	611588	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92683382001, 92683382002, 92683382003, 92683382004, 92683382005, 92683382006, 92683382007, 92683382008, 92683382009, 92683382010, 92683382011, 92683382012

METHOD BLANK: 2976852 Matrix: Water

Associated Lab Samples: 92683382001, 92683382002, 92683382003, 92683382004, 92683382005, 92683382006, 92683382007, 92683382008, 92683382009, 92683382010, 92683382011, 92683382012

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.118 ± 0.231 (0.509) C:88% T:94%	pCi/L	09/07/23 14:58	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

QC Batch: 614497

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92683382056, 92683382057

METHOD BLANK: 2991829

Matrix: Water

Associated Lab Samples: 92683382056, 92683382057

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.345 ± 0.359 (0.727) C:66% T:82%	pCi/L	09/18/23 15:00	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

QC Batch:	611593	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92683382013, 92683382014, 92683382015

METHOD BLANK: 2976865 Matrix: Water

Associated Lab Samples: 92683382013, 92683382014, 92683382015

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.153 ± 0.337 (0.741) C:69% T:93%	pCi/L	09/11/23 15:08	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

QC Batch:	613520	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92683382033, 92683382034, 92683382035, 92683382036, 92683382037, 92683382038, 92683382039, 92683382040, 92683382041, 92683382042, 92683382043, 92683382044, 92683382045, 92683382046, 92683382047, 92683382048, 92683382049, 92683382050, 92683382051, 92683382052

METHOD BLANK:	2986526	Matrix:	Water
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Associated Lab Samples: 92683382033, 92683382034, 92683382035, 92683382036, 92683382037, 92683382038, 92683382039, 92683382040, 92683382041, 92683382042, 92683382043, 92683382044, 92683382045, 92683382046, 92683382047, 92683382048, 92683382049, 92683382050, 92683382051, 92683382052

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.368 ± 0.201 (0.310) C:89% T:NA	pCi/L	09/19/23 08:25	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

QC Batch:	614486	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92683382016, 92683382017, 92683382018, 92683382019, 92683382020, 92683382021, 92683382022, 92683382023, 92683382024, 92683382025, 92683382026, 92683382027, 92683382028, 92683382029, 92683382030, 92683382031, 92683382032, 92683382033, 92683382034, 92683382035

METHOD BLANK:	2991797	Matrix:	Water
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Associated Lab Samples: 92683382016, 92683382017, 92683382018, 92683382019, 92683382020, 92683382021, 92683382022, 92683382023, 92683382024, 92683382025, 92683382026, 92683382027, 92683382028, 92683382029, 92683382030, 92683382031, 92683382032, 92683382033, 92683382034, 92683382035

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.389 ± 0.369 (0.755) C:75% T:85%	pCi/L	09/18/23 13:02	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

QC Batch:	613519	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92683382013, 92683382014, 92683382015, 92683382016, 92683382017, 92683382018, 92683382019, 92683382020, 92683382021, 92683382022, 92683382023, 92683382024, 92683382025, 92683382026, 92683382027, 92683382028, 92683382029, 92683382030, 92683382031, 92683382032

METHOD BLANK:	2986525	Matrix:	Water
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Associated Lab Samples: 92683382013, 92683382014, 92683382015, 92683382016, 92683382017, 92683382018, 92683382019, 92683382020, 92683382021, 92683382022, 92683382023, 92683382024, 92683382025, 92683382026, 92683382027, 92683382028, 92683382029, 92683382030, 92683382031, 92683382032

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.208 ± 0.227 (0.445) C:82% T:NA	pCi/L	09/15/23 08:35	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

QC Batch:	615171	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92683382053, 92683382054, 92683382055, 92683382056, 92683382057

METHOD BLANK: 2995487 Matrix: Water

Associated Lab Samples: 92683382053, 92683382054, 92683382055, 92683382056, 92683382057

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.329 ± 0.171 (0.240) C:90% T:NA	pCi/L	09/20/23 18:52	

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QUALIFIERS

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683382001	BOW-BGWA-29	EPA 9315	612655		
92683382002	BOW-BGWA-48D	EPA 9315	612655		
92683382003	BOW-BGWC-8	EPA 9315	612655		
92683382004	BOW-BGWC-12	EPA 9315	612655		
92683382005	BOW-BGWC-14A	EPA 9315	612655		
92683382006	BOW-BGWA-47D	EPA 9315	612655		
92683382007	BOW-BGWA-6	EPA 9315	612655		
92683382008	BOW-BGWC-44D	EPA 9315	612655		
92683382009	BOW-AP1-FB-13	EPA 9315	612655		
92683382010	BOW-BGWC-50D	EPA 9315	612655		
92683382011	BOW-AP1-FD-08	EPA 9315	612655		
92683382012	BOW-AP1-FB-12	EPA 9315	612655		
92683382013	BOW-BGWC-7	EPA 9315	613519		
92683382014	BOW-BGWC-9	EPA 9315	613519		
92683382015	BOW-BGWC-10	EPA 9315	613519		
92683382016	BOW-BGWC-16	EPA 9315	613519		
92683382017	BOW-BGWC-17	EPA 9315	613519		
92683382018	BOW-BGWC-18	EPA 9315	613519		
92683382019	BOW-BGWC-25	EPA 9315	613519		
92683382020	BOW-AP1-FD-09	EPA 9315	613519		
92683382021	BOW-AP1-FB-14	EPA 9315	613519		
92683382022	BOW-BGWC-19	EPA 9315	613519		
92683382023	BOW-BGWC-20	EPA 9315	613519		
92683382024	BOW-BGWC-31	EPA 9315	613519		
92683382025	BOW-BGWC-32	EPA 9315	613519		
92683382026	BOW-BGWC-34D	EPA 9315	613519		
92683382027	BOW-BGWC-40	EPA 9315	613519		
92683382028	BOW-AP1-FB-15	EPA 9315	613519		
92683382029	BOW-BGWA-33	EPA 9315	613519		
92683382030	BOW-BGWA-2	EPA 9315	613519		
92683382031	BOW-BGWC-21	EPA 9315	613519		
92683382032	BOW-BGWC-23	EPA 9315	613519		
92683382033	BOW-BGWC-22	EPA 9315	613520		
92683382034	BOW-BGWC-30	EPA 9315	613520		
92683382035	BOW-BGWC-39	EPA 9315	613520		
92683382036	BOW-BGWC-41D	EPA 9315	613520		
92683382037	BOW-BGWC-43D	EPA 9315	613520		
92683382038	BOW-BGWC-36D	EPA 9315	613520		
92683382039	BOW-BGWC-38D	EPA 9315	613520		
92683382040	BOW-AP1-FD-11	EPA 9315	613520		
92683382041	BOW-AP1-FB-18	EPA 9315	613520		
92683382042	BOW-AP1-EB-04	EPA 9315	613520		
92683382043	BOW-BGWC-49D	EPA 9315	613520		
92683382044	BOW-BGWC-52	EPA 9315	613520		
92683382045	BOW-AP1-FB-17	EPA 9315	613520		
92683382046	BOW-AP1-EB-03	EPA 9315	613520		
92683382047	BOW-BGWC-51	EPA 9315	613520		
92683382048	BOW-AP1-FD-10	EPA 9315	613520		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683382049	BOW-AP1-FB-16	EPA 9315	613520		
92683382050	BOW-AP1-EB-02	EPA 9315	613520		
92683382051	BOW-BGWC-24	EPA 9315	613520		
92683382052	BOW-BGWC-35D	EPA 9315	613520		
92683382053	BOW-BGWC-37D	EPA 9315	615171		
92683382054	BOW-BGWC-42D	EPA 9315	615171		
92683382055	BOW-AP1-FB-19	EPA 9315	615171		
92683382056	BOW-AP1-EB-05	EPA 9315	615171		
92683382057	BOW-AP1-FB-20	EPA 9315	615171		
92683382001	BOW-BGWA-29	EPA 9320	611588		
92683382002	BOW-BGWA-48D	EPA 9320	611588		
92683382003	BOW-BGWC-8	EPA 9320	611588		
92683382004	BOW-BGWC-12	EPA 9320	611588		
92683382005	BOW-BGWC-14A	EPA 9320	611588		
92683382006	BOW-BGWA-47D	EPA 9320	611588		
92683382007	BOW-BGWA-6	EPA 9320	611588		
92683382008	BOW-BGWC-44D	EPA 9320	611588		
92683382009	BOW-AP1-FB-13	EPA 9320	611588		
92683382010	BOW-BGWC-50D	EPA 9320	611588		
92683382011	BOW-AP1-FD-08	EPA 9320	611588		
92683382012	BOW-AP1-FB-12	EPA 9320	611588		
92683382013	BOW-BGWC-7	EPA 9320	611593		
92683382014	BOW-BGWC-9	EPA 9320	611593		
92683382015	BOW-BGWC-10	EPA 9320	611593		
92683382016	BOW-BGWC-16	EPA 9320	614486		
92683382017	BOW-BGWC-17	EPA 9320	614486		
92683382018	BOW-BGWC-18	EPA 9320	614486		
92683382019	BOW-BGWC-25	EPA 9320	614486		
92683382020	BOW-AP1-FD-09	EPA 9320	614486		
92683382021	BOW-AP1-FB-14	EPA 9320	614486		
92683382022	BOW-BGWC-19	EPA 9320	614486		
92683382023	BOW-BGWC-20	EPA 9320	614486		
92683382024	BOW-BGWC-31	EPA 9320	614486		
92683382025	BOW-BGWC-32	EPA 9320	614486		
92683382026	BOW-BGWC-34D	EPA 9320	614486		
92683382027	BOW-BGWC-40	EPA 9320	614486		
92683382028	BOW-AP1-FB-15	EPA 9320	614486		
92683382029	BOW-BGWA-33	EPA 9320	614486		
92683382030	BOW-BGWA-2	EPA 9320	614486		
92683382031	BOW-BGWC-21	EPA 9320	614486		
92683382032	BOW-BGWC-23	EPA 9320	614486		
92683382033	BOW-BGWC-22	EPA 9320	614486		
92683382034	BOW-BGWC-30	EPA 9320	614486		
92683382035	BOW-BGWC-39	EPA 9320	614486		
92683382036	BOW-BGWC-41D	EPA 9320	614488		
92683382037	BOW-BGWC-43D	EPA 9320	614488		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683382038	BOW-BGWC-36D	EPA 9320	614488		
92683382039	BOW-BGWC-38D	EPA 9320	614488		
92683382040	BOW-AP1-FD-11	EPA 9320	614488		
92683382041	BOW-AP1-FB-18	EPA 9320	614488		
92683382042	BOW-AP1-EB-04	EPA 9320	614488		
92683382043	BOW-BGWC-49D	EPA 9320	614488		
92683382044	BOW-BGWC-52	EPA 9320	614488		
92683382045	BOW-AP1-FB-17	EPA 9320	614488		
92683382046	BOW-AP1-EB-03	EPA 9320	614488		
92683382047	BOW-BGWC-51	EPA 9320	614488		
92683382048	BOW-AP1-FD-10	EPA 9320	614488		
92683382049	BOW-AP1-FB-16	EPA 9320	614488		
92683382050	BOW-AP1-EB-02	EPA 9320	614488		
92683382051	BOW-BGWC-24	EPA 9320	614488		
92683382052	BOW-BGWC-35D	EPA 9320	614488		
92683382053	BOW-BGWC-37D	EPA 9320	614488		
92683382054	BOW-BGWC-42D	EPA 9320	614488		
92683382055	BOW-AP1-FB-19	EPA 9320	614488		
92683382056	BOW-AP1-EB-05	EPA 9320	614497		
92683382057	BOW-AP1-FB-20	EPA 9320	614497		
92683382001	BOW-BGWA-29	Total Radium Calculation	615247		
92683382002	BOW-BGWA-48D	Total Radium Calculation	615247		
92683382003	BOW-BGWC-8	Total Radium Calculation	615247		
92683382004	BOW-BGWC-12	Total Radium Calculation	615247		
92683382005	BOW-BGWC-14A	Total Radium Calculation	615247		
92683382006	BOW-BGWA-47D	Total Radium Calculation	615247		
92683382007	BOW-BGWA-6	Total Radium Calculation	615247		
92683382008	BOW-BGWC-44D	Total Radium Calculation	615247		
92683382009	BOW-AP1-FB-13	Total Radium Calculation	615247		
92683382010	BOW-BGWC-50D	Total Radium Calculation	615247		
92683382011	BOW-AP1-FD-08	Total Radium Calculation	615247		
92683382012	BOW-AP1-FB-12	Total Radium Calculation	615247		
92683382013	BOW-BGWC-7	Total Radium Calculation	616574		
92683382014	BOW-BGWC-9	Total Radium Calculation	616574		
92683382015	BOW-BGWC-10	Total Radium Calculation	616574		
92683382016	BOW-BGWC-16	Total Radium Calculation	616580		
92683382017	BOW-BGWC-17	Total Radium Calculation	616580		
92683382018	BOW-BGWC-18	Total Radium Calculation	616580		
92683382019	BOW-BGWC-25	Total Radium Calculation	616580		
92683382020	BOW-AP1-FD-09	Total Radium Calculation	616580		
92683382021	BOW-AP1-FB-14	Total Radium Calculation	616580		
92683382022	BOW-BGWC-19	Total Radium Calculation	616580		
92683382023	BOW-BGWC-20	Total Radium Calculation	616580		
92683382024	BOW-BGWC-31	Total Radium Calculation	616580		
92683382025	BOW-BGWC-32	Total Radium Calculation	616580		
92683382026	BOW-BGWC-34D	Total Radium Calculation	616580		
92683382027	BOW-BGWC-40	Total Radium Calculation	616580		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1- RADs

Pace Project No.: 92683382

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92683382028	BOW-AP1-FB-15	Total Radium Calculation	616580		
92683382029	BOW-BGWA-33	Total Radium Calculation	616580		
92683382030	BOW-BGWA-2	Total Radium Calculation	616580		
92683382031	BOW-BGWC-21	Total Radium Calculation	616580		
92683382032	BOW-BGWC-23	Total Radium Calculation	616580		
92683382033	BOW-BGWC-22	Total Radium Calculation	616580		
92683382034	BOW-BGWC-30	Total Radium Calculation	616580		
92683382035	BOW-BGWC-39	Total Radium Calculation	616580		
92683382036	BOW-BGWC-41D	Total Radium Calculation	616578		
92683382037	BOW-BGWC-43D	Total Radium Calculation	616578		
92683382038	BOW-BGWC-36D	Total Radium Calculation	616578		
92683382039	BOW-BGWC-38D	Total Radium Calculation	616578		
92683382040	BOW-AP1-FD-11	Total Radium Calculation	616578		
92683382041	BOW-AP1-FB-18	Total Radium Calculation	616578		
92683382042	BOW-AP1-EB-04	Total Radium Calculation	616578		
92683382043	BOW-BGWC-49D	Total Radium Calculation	616578		
92683382044	BOW-BGWC-52	Total Radium Calculation	616578		
92683382045	BOW-AP1-FB-17	Total Radium Calculation	616578		
92683382046	BOW-AP1-EB-03	Total Radium Calculation	616578		
92683382047	BOW-BGWC-51	Total Radium Calculation	616578		
92683382048	BOW-AP1-FD-10	Total Radium Calculation	616578		
92683382049	BOW-AP1-FB-16	Total Radium Calculation	616578		
92683382050	BOW-AP1-EB-02	Total Radium Calculation	616578		
92683382051	BOW-BGWC-24	Total Radium Calculation	616578		
92683382052	BOW-BGWC-35D	Total Radium Calculation	616578		
92683382053	BOW-BGWC-37D	Total Radium Calculation	617213		
92683382054	BOW-BGWC-42D	Total Radium Calculation	617213		
92683382055	BOW-AP1-FB-19	Total Radium Calculation	617213		
92683382056	BOW-AP1-EB-05	Total Radium Calculation	617213		
92683382057	BOW-AP1-FB-20	Total Radium Calculation	617213		

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Asheville

Sample Condition Upon Receipt

Client Name: G A Power

Project #: **WO# : 92683382**

Courier: Fed Ex UPS USPS Client Commercial Pace Other: _____



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initial Person Examining Contents 8/14/23
CR

Packing Material: Bubble Wrap Bubble Bags Loose Other: _____

Biological Tissue Frozen? Yes No N/A

Thermometer: Digital: 230 Type of Ice: Wet Blue None

Cooler Temp: 2.1 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 5°C Samples out of temperature. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.1

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Do samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
2-Phase Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Discarded analysis Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Includes Date/Time/ID/Analysis Matrix <u>W</u>			
Headspace in VOA Vials (>5mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seal's Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY _____ Field Data Required? Yes No

Lot ID of split containers: _____

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, *OC, Oil and Grease, DRO/BOIS (water), DOC, LHG

**Bottom half of box is to list number of bottles

***Check unpreserved Nitrates for chlorine

Project #

WO#: 92683382

PH: BV

Due Date: 09/11/23

CLIENT: 02-GP-BOMLF

Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP1U-125 mL Plastic Unpreserved (N/A) (Cl-)													
BP2U-250 mL Plastic Unpreserved (N/A)													
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2S/N (pH < 7) (Cl-)													
BP1N-250 mL Plastic H2O3 (pH < 2)													
BP4B-125 mL Plastic Zn Acetate & NaOH (pH)													
BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)													
WGFU-Water-modified Glass jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (Cl-)													
AG1M-1 liter Amber HCl (pH < 2)													
AG2U-250 mL Amber Unpreserved (N/A) (Cl-)													
AG3S-1 liter Amber H2S/N (pH < 7)													
AG3S-250 mL Amber H2S/N (pH < 2)													
DQ9H-40 mL Amber HNO3 (N/A) (Cl-)													
VQ59H-40 mL VOA HCl (N/A)													
VQ9T-40 mL VOA Na2SO3 (N/A)													
VQ9U-40 mL VOA Unpreserved (N/A)													
DG9V-40 mL VOA H3PO4 (N/A)													
KP7U-50 mL Plastic Unpreserved (N/A)													
V/GK (3 vials per NIS-VPH/Sun kit) (N/A)													
SP5T-125 ml Sterile Plastic (N/A - 50)													
SP2T-250 mL Sterile Plastic (N/A - 10)													
AG0M-100 mL Amber Unpreserved (N/A) (Cl-)													
V16U-20 mL Scintillation vials (N/A)													
2659U-40 mL Amber Unpreserved vials (N/A)													

BLAN

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of field, incorrect preservative, out of temp, incorrect containers).

Page

Submitting a sample via the chain of custody constitutes acknowledgment and acceptance of the Terms and Conditions found in the copy of the specimen contract upon receipt of the sample.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
 Requested Chain-of-Custody: Georgia Power
 Location B
 Requested Project Information: North Georgia
 Section C
 Sample Information: 241 Ryan Woodford Rd NE, Atlanta, GA 30308

Client: Georgia Power Project To: North Georgia, Georgia Power
 Address: 241 Ryan Woodford Blvd NE City To: Atlanta, Georgia
 State: GA 30308 Project Name: 241 Ryan Woodford NE, Atlanta, GA 30308
 Client: Georgia Power Project Order #: 241 Ryan Woodford NE, Atlanta, GA 30308
 Project Name: 241 Ryan Woodford NE, Atlanta, GA 30308
 Project Order #: 241 Ryan Woodford NE, Atlanta, GA 30308
 Requested Date For: Sample Project #: 241 Ryan Woodford NE, Atlanta, GA 30308

SAMPLE ID
 One Character per Box
 (A-Z, 0-9, /)
 Sample ID's must be unique

Matrix Code (See User Guide p. 10)
 Sample Type (See User Guide p. 10)
 Date Collected
 Time Collected
 Completion at Collection
 # of Containers
 Preservation
 H2SO4
 HNO3
 HCl
 H2O2
 H2O
 Other
 App. In. / Analyte
 O.F. 504
 TDS
 RAD 90109320

NO.	DESCRIPTION	MATRIX CODE	SAMPLE TYPE	DATE	TIME	COMPLETION AT COLLECTION	# OF CONTAINERS	PRESERVATION	APP. IN. / ANALYTE	O.F. 504	TDS	RAD 90109320	RECEIVED BY	DATE
1	BOY-BOWA-2	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
2	BOY-BOWA-3	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
3	BOY-BOWA-4	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
4	BOY-BOWA-5	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
5	BOY-BOWA-6	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
6	BOY-BOWA-7	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
7	BOY-BOWA-8	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
8	BOY-BOWA-9	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
9	BOY-BOWA-10	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
10	BOY-BOWA-11	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
11	BOY-BOWA-12	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
12	BOY-BOWA-13	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20
13	BOY-BOWA-14	WGS 5	SAMPLES	11/20	11:00		5		X	X	X	X	WJL	11/20

Section D
 Received by: WJL
 Date: 11/20
 Signature: [Signature]
 Title: Analyst
 Company: Georgia Power
 Address: 241 Ryan Woodford Blvd NE, Atlanta, GA 30308
 Phone: 404-311-0000
 Fax: 404-311-0000
 Email: WJL@ge.com
 Requested Date For: Sample
 Project #: 241 Ryan Woodford NE, Atlanta, GA 30308

Page 1 of 4



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the PACE Terms and Conditions found at <http://www.paceusa.com/html/chain-of-custody-terms.pdf>.

CHAIN-OF-CUSTODY / Analytical Request Document

Page 1 of 3 ON 4

Section A
 Requested Client Information:
 Client Name: Georgia Power
 Address: 241 Ralph McGill Blvd NE
 Atlanta, GA 30303
 Project Name: Peach State Energy
 Requested Date: Standard
Section B
 Requested Project Information:
 Report To: Kristin Jarnal, Anthony Sowell
 Contact: Lisa Lambert from Project, Mike Bentley
 Project Manager: Dawn April
Section C
 Analysis Information:
 Analytical Request: Georgia Power
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30303
 Project Manager: Dawn April
 Requested Date: Standard

#	SAMPLE ID	DATE	TIME	SAMPLE TYPE	WATER CODE	COLLECTED		# OF CONTAINERS	DETERMINES	PARAMETERS							RESIDUAL (Chlorine) (ppm)				
						DATE	TIME			TEMP AT COLLECTION	PH	CHL	CO ₂	CL ₂	SO ₄	NO ₃		NO ₂	AMMONIA		
26	BOW-BQWC-32	WAG	D																		
27	BOW-BQWC-34D	WAG	D																		
28	BOW-BQWC-38D	WAG	D																		
29	BOW-BQWC-38D	WAG	D																		
30	BOW-BQWC-38D	WAG	D																		
31	BOW-BQWC-38D	WAG	D																		
32	BOW-BQWC-38D	WAG	D																		
33	BOW-BQWC-38D	WAG	D																		
34	BOW-BQWC-38D	WAG	D																		
35	BOW-BQWC-38D	WAG	D																		
36	BOW-BQWC-38D	WAG	D																		
37	BOW-BQWC-38D	WAG	D																		
38	BOW-BQWC-38D	WAG	D																		
39	BOW-BQWC-38D	WAG	D																		
40	BOW-BQWC-38D	WAG	D																		
41	BOW-BQWC-38D	WAG	D																		
42	BOW-BQWC-38D	WAG	D																		
43	BOW-BQWC-38D	WAG	D																		
44	BOW-BQWC-38D	WAG	D																		
45	BOW-BQWC-38D	WAG	D																		
46	BOW-BQWC-38D	WAG	D																		
47	BOW-BQWC-38D	WAG	D																		
48	BOW-BQWC-38D	WAG	D																		
49	BOW-BQWC-38D	WAG	D																		
50	BOW-BQWC-38D	WAG	D																		
51	BOW-BQWC-38D	WAG	D																		
52	BOW-BQWC-38D	WAG	D																		
53	BOW-BQWC-38D	WAG	D																		
54	BOW-BQWC-38D	WAG	D																		
55	BOW-BQWC-38D	WAG	D																		
56	BOW-BQWC-38D	WAG	D																		
57	BOW-BQWC-38D	WAG	D																		
58	BOW-BQWC-38D	WAG	D																		
59	BOW-BQWC-38D	WAG	D																		
60	BOW-BQWC-38D	WAG	D																		
61	BOW-BQWC-38D	WAG	D																		
62	BOW-BQWC-38D	WAG	D																		
63	BOW-BQWC-38D	WAG	D																		
64	BOW-BQWC-38D	WAG	D																		
65	BOW-BQWC-38D	WAG	D																		
66	BOW-BQWC-38D	WAG	D																		
67	BOW-BQWC-38D	WAG	D																		
68	BOW-BQWC-38D	WAG	D																		
69	BOW-BQWC-38D	WAG	D																		
70	BOW-BQWC-38D	WAG	D																		
71	BOW-BQWC-38D	WAG	D																		
72	BOW-BQWC-38D	WAG	D																		
73	BOW-BQWC-38D	WAG	D																		
74	BOW-BQWC-38D	WAG	D																		
75	BOW-BQWC-38D	WAG	D																		
76	BOW-BQWC-38D	WAG	D																		
77	BOW-BQWC-38D	WAG	D																		
78	BOW-BQWC-38D	WAG	D																		
79	BOW-BQWC-38D	WAG	D																		
80	BOW-BQWC-38D	WAG	D																		
81	BOW-BQWC-38D	WAG	D																		
82	BOW-BQWC-38D	WAG	D																		
83	BOW-BQWC-38D	WAG	D																		
84	BOW-BQWC-38D	WAG	D																		
85	BOW-BQWC-38D	WAG	D																		
86	BOW-BQWC-38D	WAG	D																		
87	BOW-BQWC-38D	WAG	D																		
88	BOW-BQWC-38D	WAG	D																		
89	BOW-BQWC-38D	WAG	D																		
90	BOW-BQWC-38D	WAG	D																		
91	BOW-BQWC-38D	WAG	D																		
92	BOW-BQWC-38D	WAG	D																		
93	BOW-BQWC-38D	WAG	D																		
94	BOW-BQWC-38D	WAG	D																		
95	BOW-BQWC-38D	WAG	D																		
96	BOW-BQWC-38D	WAG	D																		
97	BOW-BQWC-38D	WAG	D																		
98	BOW-BQWC-38D	WAG	D																		
99	BOW-BQWC-38D	WAG	D																		
100	BOW-BQWC-38D	WAG	D																		

ANALYST: *[Signature]*
 DATE: 8/15/23
 RECEIVED ON: 8/15/23
 ANALYTICAL REQUEST: *[Signature]*
 DATE: 8/15/23
 ANALYST: *[Signature]*
 DATE: 8/15/23



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta ~~Kornersville~~

Sample Condition Upon Receipt

Client Name: G-M Power

WO#: 92683382

PM: BV Due Date: 08/11/23
CLIENT: 02-CP-SOWLF

Carrier: Fed Ex UPS USPS Client
 Commercial Pace Other

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-21-23 AV

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: K/Son ID: 9083 Type of ice: Wet Blue None

Cooler Temp: 41 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 41

USDA Regulated Soil? N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check inapt)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples fluid filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COI?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix:	<u>WG</u>	
Headspace in VOC Vials: 5-Sigma?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

1 of 10 of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRP Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition
Blank Receipt

Client Name: G-M Power

Project #: WO# : 92683382

Carrier: Fed Ex UPS USPS Other
 Commercial Pace Other

PH: BV Due Date: 09/11/23
CLIENT: 02-GP-BOWLF

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-24-23 AV

Packing Material: Bubble Wrap Bubble Bags None Other

Biological These Frozen? Yes No N/A

Thermometer: Wet Bulb (C) 9.83 Type of tag: Wet Blue None

Cooler Temp: 4.1 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C
 Samples out of temp conts. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.1
USDA Regulated Soil N/A, water sample
Did samples originate in a quarantine zone within the United States, CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (< 72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Brush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix.	<u>WV</u>	
Headspace in VOA Vials (> 5 Gms)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY _____ Field Data Required? Yes No

Lot ID of split containers: _____

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2023

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRC/8015 Swater, UOI, Lung

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92683382

PM: BY

Due Date: 09/11/23

CLIENT: B2-GP-80MLF

Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP411-125 mL Plastic Unpreserved (N/A) (CI-)													
BP230-250 mL Plastic Unpreserved (N/A)													
BP230-500 mL Plastic Unpreserved (N/A)													
BP100-1 liter Plastic Unpreserved (N/A)													
BP049-125 mL Plastic H2SO4 (pH < 2) (CI-)													
BP324-250 mL Plastic HNO3 (pH < 2)													
BP402-125 mL Plastic 2N Acetate & NaOH (S-S)													
BP408-125 mL Plastic NaOH (pH > 12) (CI-)													
W06FU-Wide-mouthed Glass Jar Unpreserved													
AG110-1 liter Amber Unpreserved (N/A) (CI-)													
AG114-1 liter Amber HCl (pH < 2)													
AG130-250 mL Amber Unpreserved (N/A) (CI-)													
AG151-1 liter Amber H2SO4 (pH < 2)													
AG151-250 mL Amber H2SO4 (pH < 2)													
DC94-40 mL Amber NH4Cl (N/A)(CI-)													
DC691-40 mL VOA HCl (N/A)													
VB87-40 mL VOA H2SO4 (N/A)													
V040-40 mL VOA Unpreserved (N/A)													
DC89V-40 mL VOA H3PO4 (N/A)													
BP710-50 mL Plastic Unpreserved (N/A)													
Y/GK (3 vials per kit) VPM/COB kit (N/A)													
SP23-125 mL Sealed Plastic (N/A - 1bb)													
SP23-250 mL Sealed Plastic (N/A - 1bb)													
BP98-250 mL Plastic (M12)2504-03 9.71													
AG100-100 mL Amber Unpreserved (N/A) (CI-)													
V56U-20 mL Schlenk-type vial (N/A)													
DC69U-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certified or OFFICER in Out of Field, incorrect preservative, out of temp, incorrect containers



DC# Title: ENV-FRM-HUN1-0063 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

WO#: 92683382

Sample Code from: Up on Receipt

Client Name: GA Power

Project #:

PR: BV

Due Date: 09/11/23

Courier: Commercial

Fed Ex UPS USPS Other

CLIENT: 92-GP-BDWLF

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-21-23 AB

Packing Material: Bubble Wrap Bubble Bags None Other

Biological/Toxic Frozen? Yes No N/A

Thermometer:

Part #: OR3 Type of Ice: Wet Dry None

Cooler Temp: 9.1

Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.1

USDA Regulated Soil: N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Samples Arrived within hold time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7
Dissolved analysis: Samples Fed Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8
Sample Labels Match COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9
Includes Data/Time/ID/Analysis Matrix	WG	
Headspace in VOA vials (>5-5mls)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted

Date/Time:

Project Manager -SECURE-Review:

Date:

Project Manager -SRF-Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92683382

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

By

Due Date: 09/11/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DBO/BSL5 (water) DCC, LHM

CLIENT: 92-GP-B0NLF

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
BP3U-250 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP2U-500 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP1U-1 liter Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
BP3N-250 mL plastic HNO3 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
BP4S-125 mL Plastic 2N Acetate & NaOH (>9)		/	/	/	/	/	/	/	/	/	/	/	/
BP3H-225 mL Plastic NaOH (pH > 12) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
WG7U-Wide mouthed Glass jar Unpreserved		/	/	/	/	/	/	/	/	/	/	/	/
AG3U-1 liter Amber Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
AG3H-1 liter Amber HCl (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG3U-250 mL Amber Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
AG1S-1 liter Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG3S-250 mL Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
DG94-40 mL Amber NH4Cl (N/A)(C-)		/	/	/	/	/	/	/	/	/	/	/	/
DG9H-40 mL VOA HCl (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VG9T-40 mL VOA N2S2O3 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VG9U-40 mL VOA Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG9V-40 mL V3R H3BO3 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
MP7U-50 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
V7BH (9 vials per kit)-VPH/Gas kit (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
SP5T-2.75 mL Sterile Plastic (N/A - lab)		/	/	/	/	/	/	/	/	/	/	/	/
SP2T-250 mL Sterile Plastic (N/A - lab)		/	/	/	/	/	/	/	/	/	/	/	/
BP3K-250 mL Plastic (MH2)SUA (9-3-7)		/	/	/	/	/	/	/	/	/	/	/	/
AG1U-100 mL Amber Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
VG5U-20 mL 5c Milliflow vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
CG9U-40 mL Amber Unpreserved vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservation, out of temp, incorrect containers)



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sam's Club
Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92683382

PN: BV

Due Date: 09/11/23

CLIENT: 92-GP-BONLF

Carrier: Fed Ex UPS USPS Client Other:
 Commercial Pace

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents:

8-24-23 AY

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Goods Frozen? Yes No N/A

Thermometer:

Gun ID:

083

Type of Ice: Wet Dry None

Cooler Temp:

4

Correction Factor:

Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

4.1

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<= 72 hr.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COG?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix: <i>WG</i>		
Headspace in VOA Vials (4-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot # of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time

Project Manager SCRF Review:

Date:

Project Manager SRF Review:

Date:



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition: Upon Receipt

Client Name: G.A. Power

WO#: 92683382

Project #: PR: BV Due Date: 08/11/23

CLIENT: S2-GP-BOWLF

Cowling: Fed Ex UPS USPS Other Commercial Parc Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-21-23 AB

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Issues Frozen? Yes No N/A

Thermometer: NIST ID: 083 Type of Use: Wet Dry None

Cooler Temp: 9.1 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C Samples out of temp prior to cooling process has begun

Cooler Temp Corrected (°C): 9.1
USDA Regulated Soil? N/A (water sample)

Did samples originate from a foreign source (International, including Hawaii and Puerto Rico)? Yes No

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis? (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Pre-filtrated?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix: WG		
Headspace in vials (≥5-min)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of spill containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

Project #

WO#: 92683382

PH: 8V

Due Date: 09/11/23

CLIENT: 92-CP-80MLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VDA, Caliform, TOC, Oil and Grease, CPO/BC25 (water) DOC, U-12

**Bottom half of box is to list number of bottles

***Check pH unpreserved Nitrites for chlorine

Item #	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (C-1)													
BP5U-150 mL Plastic Unpreserved (N/A)													
BP21-500 ml Plastic Unpreserved (N/A)													
BP1U-2 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (C-1)													
BP3M-750 ml plastic HNO3 (pH < 2)													
BP4S-125 mL 5% astatic Zn Acetate & NaOH (pH)													
BP4B-125 mL Plastic HNOH (pH > 12) (C-1)													
WGFU-WH40-Reduced Glass jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (C-1)													
AG1H-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (C-1)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
DC3H-40 mL Amber HNO3 (N/A) (C-1)													
DC3M-40 mL VOA HCl (N/A)													
VG5T-40 mL VOA HNO3 (N/A)													
VG5U-40 mL VOA Unpreserved (N/A)													
DC3H-40 mL VOA = 3004 (N/A)													
KF7U-50 mL Plastic Unpreserved (N/A)													
V/GK (3 vials per kit) VPH/GAS kit (N/A)													
SP5T-125 mL Sterile Plastic (N/A - 10b)													
SP2T-250 mL Sterile Plastic (N/A - 10b)													
BP3H-250 mL P astatic (M42)2504 (9.3-9.7)													
N00U-100 mL Amber Unpreserved (N/A) (C-1)													
V50U-20 mL Scintillation vials (N/A)													
DC6U-40 mL Amber Unpreserved vials (N/A)													

BRIN

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office. Out of field, incorrect preservative, out of terms, incorrect containers.

Page

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Free Terms and Conditions found at <http://www.fishbase.org>

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A: Requested Project Information
 Section B: Requested Project Information
 Section C: Requested Project Information
 Section D: Requested Project Information

Requested Project Information:
 Client Name: Georgia Power
 Address: 241 Ralph McGill Blvd NE
 Atlanta, GA 30308
 Email: highlights@georgiapower.com
 Phone: 404.977.9000 Fax:
 Requested Date From: 8/18/23 To: 8/18/23

Requested Project Information:
 Project ID: 10044-5
 Project Name: Brown - M-1
 Project Location: Brown - M-1
 Project Start: 10/1/22
 Project End: 10/1/23

Requested Project Information:
 Client Name: Georgia Power
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
 Project Name: Brown - M-1
 Project Location: Brown - M-1
 Project Start: 10/1/22
 Project End: 10/1/23

ITEM #	SAMPLE ID	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES					ANALYTES TESTED	MATCHED CRYSTALS (Y/N)	
						Formalin	ROCK	NON	Number	Material			Color
28	BOY-BOWC-382	8/18/23	0926	5.2	3								
29	BOY-BOWC-383	8/18/23	1127	5.2	3								
30	BOY-BOWC-384												
31	BOY-BOWC-385												
32	BOY-BOWC-386												
33	BOY-BOWC-387												
34	BOY-BOWC-388												
35	BOY-BOWC-389												
36	BOY-BOWC-390												
37	BOY-BOWC-391												
38	BOY-BOWC-392												
39	BOY-BOWC-393												
40	BOY-BOWC-394												
41	BOY-BOWC-395												
42	BOY-BOWC-396												
43	BOY-BOWC-397												
44	BOY-BOWC-398												
45	BOY-BOWC-399												
46	BOY-BOWC-400												
47	BOY-BOWC-401												
48	BOY-BOWC-402												
49	BOY-BOWC-403												
50	BOY-BOWC-404												
51	BOY-BOWC-405												
52	BOY-BOWC-406												
53	BOY-BOWC-407												
54	BOY-BOWC-408												
55	BOY-BOWC-409												
56	BOY-BOWC-410												
57	BOY-BOWC-411												
58	BOY-BOWC-412												
59	BOY-BOWC-413												
60	BOY-BOWC-414												
61	BOY-BOWC-415												
62	BOY-BOWC-416												
63	BOY-BOWC-417												
64	BOY-BOWC-418												
65	BOY-BOWC-419												
66	BOY-BOWC-420												
67	BOY-BOWC-421												
68	BOY-BOWC-422												
69	BOY-BOWC-423												
70	BOY-BOWC-424												
71	BOY-BOWC-425												
72	BOY-BOWC-426												
73	BOY-BOWC-427												
74	BOY-BOWC-428												
75	BOY-BOWC-429												
76	BOY-BOWC-430												
77	BOY-BOWC-431												
78	BOY-BOWC-432												
79	BOY-BOWC-433												
80	BOY-BOWC-434												
81	BOY-BOWC-435												
82	BOY-BOWC-436												
83	BOY-BOWC-437												
84	BOY-BOWC-438												
85	BOY-BOWC-439												
86	BOY-BOWC-440												
87	BOY-BOWC-441												
88	BOY-BOWC-442												
89	BOY-BOWC-443												
90	BOY-BOWC-444												
91	BOY-BOWC-445												
92	BOY-BOWC-446												
93	BOY-BOWC-447												
94	BOY-BOWC-448												
95	BOY-BOWC-449												
96	BOY-BOWC-450												
97	BOY-BOWC-451												
98	BOY-BOWC-452												
99	BOY-BOWC-453												
100	BOY-BOWC-454												

Received on 8/18/23
 by [Signature]
 Sample ID: 1055
 Date: 8/18/23



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2021

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition upon Receipt

Client Name: GMA Power

Project #:

Courier: Fed Ex UPS USPS Other: Pace

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8-24-23 AB

Packing Material: Bubble Wrap Bubble Bags None Other:

Biological Tissue Frozen? Yes No N/A

Thermometer: Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 9.1 Correction Factor: 0.0 Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 9.1

USDA Regulated Soil (N/A, water sample)

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Did samples originate in a quarantine zone within the United States (CA, NY, or SC check maps)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<92 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COI?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix:	<u>WG</u>	
Headspace in VOA vials (>5.0mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCRF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



Effective Date: 11/14/2021

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VDA, Coliform, YEC, Oil and Grease, DRG/3015 (water) DO, LUg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40-125 mL Plastic Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
BP30-150 ml Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP24-500 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP10-1 liter Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP45-125 mL Plastic H2SO4 (pH < 2) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
BP20-250 mL Plastic HNO3 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
BP42-25 ml Plastic 7N Acetic & NaOH (C-)		/	/	/	/	/	/	/	/	/	/	/	/
BP48-125 ml Plastic NaOH (pH > 12) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
W66U-wide-mouthed Glass Jar Unpreserved		/	/	/	/	/	/	/	/	/	/	/	/
AG3U-1 liter Amber Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
AG3M-1 liter Amber HCl (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG3U-250 ml Amber Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
AG15-1 liter Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG35-250 mL Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
DG3M-60 mL Amber NH4C (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
DG3M-60 mL VOA HCl (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VG07-10 mL VOA Na2S2O3 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VG5U-60 mL VOA Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG3M-60 mL VOA H3PO4 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
MP7U-50 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
V76U-13 vials per NTP-VPH/Cas kit (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
SP3Y-125 mL Storage Plastic (N/A - 180)		/	/	/	/	/	/	/	/	/	/	/	/
SP2Y-250 mL Storage Plastic (N/A - 180)		/	/	/	/	/	/	/	/	/	/	/	/
BP3R-250 ml Plastic (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
AG6U-100 ml Amber Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
VG5U-10 mL Sterilization vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG9U-60 mL Amber Unpreserved vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of field, incorrect preservative, out of temp., incorrect containers).



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt
 Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt:

Client Name: GP PW

Project #: **WO# : 92683382**

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

PH: BV Due Date: 09/11/23
 CLIENT: 82-GP-BOWLF

Custody Seal Present? Yes No Seals intact? Yes No

Date/Initials Person Examining Contents: 8-24-23 JCC

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometers: K Gun ID: Z14 Type of Ice: Yes Blue None

Cooler Temp: 3.4 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing (0 6°C)
 Samples out of temp or temp. Samples or ice, cooling process has begun

Cooler Temp Corrected (°C): 3.4

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>N</u>	
Headspace In N/A vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY: _____ Field Data Required? Yes No

Lot ID of split containers: _____

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURE Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

Project

WO#: 92683382

PM: BV

Due Date: 08/11/23

CLIENT: 02-GP-BOMLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliforms, TOC, OI and Green. DRC/8015 (water) DQC, LUG

**Bottom half of box is to list number of bottles

***Check g unpreserved Nitrates for chlorine

Item#	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4A-125 mL Plastic Unpreserved (N/A) (U-)		/	/	/	/	/	/	/	/	/	/	/	/
BP4A-250 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP4U-500 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP4U-1 liter Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP4S-125 mL Plastic H2SO4 (pH < 2) (C1-)		/	/	/	/	/	/	/	/	/	/	/	/
BP3M-250 mL plastic HNO3 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
BP4Z-125 mL ultra-pure HAcetic & NaOH (pH)		/	/	/	/	/	/	/	/	/	/	/	/
BP4B-125 mL Plastic NaOH (pH > 12) (C1-)		/	/	/	/	/	/	/	/	/	/	/	/
WGFU- Wide-mouthed glass jar Unpreserved		/	/	/	/	/	/	/	/	/	/	/	/
AG1U-1 liter Amber Unpreserved (N/A) (U-)		/	/	/	/	/	/	/	/	/	/	/	/
AG1M-1 liter Amber HCl (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG3U-250 mL Amber Unpreserved (N/A) (U-)		/	/	/	/	/	/	/	/	/	/	/	/
AG1S-1 liter Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG3S-250 mL Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
DG9M-40 mL Amber HNO3 (N/A)(C1-)		/	/	/	/	/	/	/	/	/	/	/	/
DG9H-40 mL VOA HCl (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VG9F-40 mL VOA Na2SO3 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VG9U-40 mL VOA Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG9V-40 mL VOA H3PO4 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP7U-50 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
V/GW (9 vials per kit)-VOH/Cap kit (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
SP5T-125 mL Sterile Plastic (N/A - lab)		/	/	/	/	/	/	/	/	/	/	/	/
SP7T-250 mL Sterile Plastic (N/A - lab)		/	/	/	/	/	/	/	/	/	/	/	/
BP3M-250 mL Plastic (N/A) (250mL 10, 9, 9, 7)		/	/	/	/	/	/	/	/	/	/	/	/
AG8B-100 mL Amber Unpreserved (N/A) (U-)		/	/	/	/	/	/	/	/	/	/	/	/
VSGU-30 mL Sediment vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG9U-40 mL Amber Unpreserved vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/

BRAIN

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (if Out of hold, incorrect preservative, out of temp, incorrect containers).



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project

WO#: 92683382

Exception: VOA, Coliform, TDC, Oil and Grease, MCO/8015 (water), DCC (UHG)

PM: BV

Due Date: 09/11/23

**Bottom half of box is to list number of bottles

CLIENT: 92-GP-BOWLF

***Check g unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP4U-250 mL Plastic Unpreserved (N/A)	BP5U-500 mL Plastic Unpreserved (N/A)	BP3U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic HDPE (pH < 7) (C-)	BP5S-250 mL Plastic HDPE (pH < 7) (C-)	BP4Z-125 mL Plastic 2N Acetate & NaOH (S-)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	W6FU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HQ (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG34-40 mL Amber NHCl (N/A)(C-)	DG3H-40 mL VOA HQ (N/A)	VG3T-40 mL VOA HQ/2500 (N/A)	VG3U-40 mL VOA Unpreserved (N/A)	DG3Y-40 mL VOA H3PO4 (N/A)	KP70-50 mL Plastic Unpreserved (N/A)	V/GK (5 Waits per bag) VOA/GAS kit (N/A)	SP3T-125 mL Sterile Plastic (N/A - 1AU)	SP3T-250 mL Sterile Plastic (N/A - 1AU)	BP3H-250 mL Plastic (NH2)2SO4 (S > 9.7)	AGDU-100 mL Amber Unpreserved (N/A) (C-)	V50U-10 mL Sanitization vials (N/A)	DG3U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DNR Certification Office (i.e. Out of field, incorrect preservative, out of comp, incorrect containers)

Page 1

CHAIN-OF-CUSTODY / Analytical Request Document

This Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. The Chain-of-Custody is the physical evidence and acceptance of the Police, Sheriff, and Forensic Laboratory. It is a legal document and must be handled accordingly.

Page: 1 of 4

Reported Case Information:	Report To: Victim Agency, Agency Contact	Agency:
Case No: 2118001	Case To: James EARL Ray, Sheriff, Sheriff's Office	Company Name: Georgia Power
Case Name: 2118001	Case Group: Health Group	Address: 241 Fifth Street, NE, Atlanta, GA 30303
Case Date: 8/23/2018	Project Name: 2118001	Case Number: 2118001
Case Location: 2118001	Project Location: 2118001	Case Status: 2118001

ITEM #	DESCRIPTION	DATE	TIME	SAMPLE TEMP AT COLLECTION	REP. CONTAINERS	PREPARED BY	RECEIVED BY	REMARKS
1	BOY-60100-1	8/23/23	1001	5.2	3			
2	BOY-60100-2							
3	BOY-60100-3							
4	BOY-60100-4							
5	BOY-60100-5							
6	BOY-60100-6							
7	BOY-60100-7							
8	BOY-60100-8							
9	BOY-60100-9							
10	BOY-60100-10							
11	BOY-60100-11							
12	BOY-60100-12							
13	BOY-60100-13							
14	BOY-60100-14							
15	BOY-60100-15							

Case No: 2118001	Case Name: 2118001	Case Date: 8/23/2018	Case Location: 2118001	Case Status: 2118001
Case Group: Health Group	Case Project: 2118001	Case Location: 2118001	Case Status: 2118001	Case Date: 8/23/2018
Case Name: 2118001	Case Project: 2118001	Case Location: 2118001	Case Status: 2118001	Case Date: 8/23/2018
Case Name: 2118001	Case Project: 2118001	Case Location: 2118001	Case Status: 2118001	Case Date: 8/23/2018
Case Name: 2118001	Case Project: 2118001	Case Location: 2118001	Case Status: 2118001	Case Date: 8/23/2018
Case Name: 2118001	Case Project: 2118001	Case Location: 2118001	Case Status: 2118001	Case Date: 8/23/2018
Case Name: 2118001	Case Project: 2118001	Case Location: 2118001	Case Status: 2118001	Case Date: 8/23/2018
Case Name: 2118001	Case Project: 2118001	Case Location: 2118001	Case Status: 2118001	Case Date: 8/23/2018
Case Name: 2118001	Case Project: 2118001	Case Location: 2118001	Case Status: 2118001	Case Date: 8/23/2018
Case Name: 2118001	Case Project: 2118001	Case Location: 2118001	Case Status: 2118001	Case Date: 8/23/2018

PAGE

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Generating a sample via the chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <http://www.cdm.com>.

Requested Client Name: **State of Michigan**
 Requested Project: **Michigan Judicial Authority Support**
 Company Name: **Joseph A. ...**
 Address: **241 Right Way Blvd NE, Atlanta, GA 30308**
 Project Name: **Michigan Judicial Authority Support**
 Requested Date: **8/21/2013**

ITEM #	DESCRIPTION	QTY	UNIT	DATE	TIME	TEMP	COLLECTED		PRESERVED	APP. #	C. #	T. #	R. #	ANALYST
							DATE	TIME						
1	SAMPLE ID One Character per box. Date: 8/21/13 Samples for metal analysis	1	BOX	8/21/13	1354	5	2	3						
2	BOX 101A-1	1	BOX							X	X	X	X	
3	BOX 101A-2	1	BOX							X	X	X	X	
4	BOX 101A-3	1	BOX							X	X	X	X	
5	BOX 101A-4	1	BOX							X	X	X	X	
6	BOX 101A-5	1	BOX							X	X	X	X	
7	BOX 101A-6	1	BOX							X	X	X	X	
8	BOX 101A-7	1	BOX							X	X	X	X	
9	BOX 101A-8	1	BOX							X	X	X	X	
10	BOX 101A-9	1	BOX							X	X	X	X	
11	BOX 101A-10	1	BOX							X	X	X	X	
12	BOX 101A-11	1	BOX							X	X	X	X	
13	BOX 101A-12	1	BOX							X	X	X	X	
14	BOX 101A-13	1	BOX							X	X	X	X	
15	BOX 101A-14	1	BOX							X	X	X	X	
16	BOX 101A-15	1	BOX							X	X	X	X	

Requested By: **William Cooper**
 Requested Date: **8/21/2013**
 Requested Project: **Michigan Judicial Authority Support**
 Requested Date: **8/21/2013**
 Requested Project: **Michigan Judicial Authority Support**
 Requested Date: **8/21/2013**
 Requested Project: **Michigan Judicial Authority Support**



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Fees and Conditions found at <http://p10110101.pace.com/chain-of-custody-standard-form.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

Section A: Requested Chain Information: **Requested Chain Information:**
 Client: **George Power**
 Address: **241 E Main, WOODBURY, CA 95066**
 Contact: **Myra@georgepower.com**
 Project Name: **Standard**

Section B: Requested Parties Information: **Requested Parties Information:**
 Request To: **Madam Justice Anthony Sweeney**
 Case No: **2011 FC 1000**
 Project Name: **Standard**

Section C: Section Information: **Section Information:**
 Project Name: **Standard**
 Project No: **01000000000000000000**
 Project Manager: **Myra@georgepower.com**

ITEM #	DESCRIPTION	DATE	TIME	TEMP AT COLLECTION	FOR CONTAINER	PREPARED BY	ANALYZED BY	RECEIVED BY
001	SAMPLE ID							
002	ONE (1) SAMPLE FOR ANALYSIS							
003	ONE (1) SAMPLE FOR ANALYSIS							
004	ONE (1) SAMPLE FOR ANALYSIS							
005	ONE (1) SAMPLE FOR ANALYSIS							
006	ONE (1) SAMPLE FOR ANALYSIS							
007	ONE (1) SAMPLE FOR ANALYSIS							
008	ONE (1) SAMPLE FOR ANALYSIS							
009	ONE (1) SAMPLE FOR ANALYSIS							
010	ONE (1) SAMPLE FOR ANALYSIS							
011	ONE (1) SAMPLE FOR ANALYSIS							
012	ONE (1) SAMPLE FOR ANALYSIS							
013	ONE (1) SAMPLE FOR ANALYSIS							
014	ONE (1) SAMPLE FOR ANALYSIS							
015	ONE (1) SAMPLE FOR ANALYSIS							
016	ONE (1) SAMPLE FOR ANALYSIS							
017	ONE (1) SAMPLE FOR ANALYSIS							
018	ONE (1) SAMPLE FOR ANALYSIS							
019	ONE (1) SAMPLE FOR ANALYSIS							
020	ONE (1) SAMPLE FOR ANALYSIS							
021	ONE (1) SAMPLE FOR ANALYSIS							
022	ONE (1) SAMPLE FOR ANALYSIS							
023	ONE (1) SAMPLE FOR ANALYSIS							
024	ONE (1) SAMPLE FOR ANALYSIS							
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026	ONE (1) SAMPLE FOR ANALYSIS							
027	ONE (1) SAMPLE FOR ANALYSIS							
028	ONE (1) SAMPLE FOR ANALYSIS							
029	ONE (1) SAMPLE FOR ANALYSIS							
030	ONE (1) SAMPLE FOR ANALYSIS							
031	ONE (1) SAMPLE FOR ANALYSIS							
032	ONE (1) SAMPLE FOR ANALYSIS							
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099	ONE (1) SAMPLE FOR ANALYSIS							
100	ONE (1) SAMPLE FOR ANALYSIS							

Client: **George Power**
 Address: **241 E Main, WOODBURY, CA 95066**
 Contact: **Myra@georgepower.com**
 Project Name: **Standard**

Request To: **Madam Justice Anthony Sweeney**
 Case No: **2011 FC 1000**
 Project Name: **Standard**

Section Information:
 Project Name: **Standard**
 Project No: **01000000000000000000**
 Project Manager: **Myra@georgepower.com**

Client Signature: **William L. Lober**
 Date: **8/24/23**
 Title: **Partner**

Requester Signature: **Myra**
 Date: **8/24/23**
 Title: **Project Manager**

Received on: **8/24/23**
 Received by: **Myra**
 Custody: **Myra**
 Sample ID: **032**



CHAIN-OF-CUSTODY / Analytical Request Document

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

Buylanting a sample via this chain of custody certifies acknowledgment and acceptance of the Page Terms and Conditions found at <http://www.pace-ds.com/terms-conditions-contributor.html>.

Requested Client Information: **Section B**
 Requested Project Name: **Section C**
 Requested Project Location: **Section D**

Requested Client Name: **George Power**
 Address: **241 Rijn Road NE**
 Atlanta, GA 30308

Requested Project Name: **Section C**
 Project No.: **241 Rijn Road NE**
 Project Location: **Atlanta, GA**

Requested Project Location: **Section D**
 Project Name: **George Power**
 Project Address: **241 Rijn Road NE, Atlanta, GA 30308**

Requested Client Contact: **George Power**
 Phone: **(404) 717-0300**
 Email: **gpower@georgepower.com**

Requested Project Contact: **Section D**
 Project Name: **George Power**
 Project Address: **241 Rijn Road NE, Atlanta, GA 30308**

SAMPLE ID	MATRIX CODE	SAMPLE TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	PRESERVATION										Residual Chlorine (YR)					
						PCP	PCB	PCDD	PCDF	PCMX	PCNB	PCN	PCBz	PCBt	PCBd		PCBf	PCBg			
ROW-EDWC-17	WED G																				
ROW-EDWC-18	WEG G																				
ROW-EDWC-19	WEG G																				
ROW-EDWC-20	WEG G																				
ROW-EDWC-21	WEG G																				
ROW-EDWC-22	WEG G																				
ROW-EDWC-23	WEG G																				
ROW-EDWC-24	WEG G																				
ROW-EDWC-25	WEG G																				
ROW-EDWC-26	WEG G																				
ROW-EDWC-27	WEG G		8/21/23	1150	5.2	3															
ROW-EDWC-28	WEG G																				
ROW-EDWC-29	WEG G																				
ROW-EDWC-30	WEG G																				
ROW-EDWC-31	WEG G																				

NAME	ROLE	DATE	TIME	INITIALS	DATE	TIME	INITIALS	DATE	TIME	INITIALS	DATE	TIME	INITIALS	DATE	TIME	INITIALS	DATE	TIME	INITIALS
William Looker	William Looker	8/21/23	0910	WLL	8/21/23	1126	WLL	8/21/23	1126	WLL	8/21/23	1126	WLL	8/21/23	1126	WLL	8/21/23	1126	WLL
Byron Williams	Byron Williams	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW
Byron Williams	Byron Williams	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW
Byron Williams	Byron Williams	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW	8/21/23	1126	BW

TEMP in C

Received at

by

on

at

Address

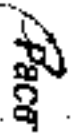
City

State

Zip

Signature

Date



Obtaining a sample for the chain of custody constitutes acknowledgment and acceptance of the Peace Terms and Conditions found in https://pba.pacba.com/chain-of-custody-terms.pdf

CHAIN-OF-CUSTODY / Analytical Request Document

Requested Chain of Custody Information:

Sample Information:

Page: 1 of 4

Company: Georgia Power	Request To: Analytical Services, Analytical Support	Request From: Georgia Power
Address: 241 North Avenue, NE	Request To: Laura Lopez, Don Taylor, Steve Quinley	Address: 241 North Avenue, NE, Atlanta, GA 30303
City: Atlanta, GA 30303	Request From: Steve Quinley	City: Atlanta, GA 30303
Phone: 404/522-2000	Request From: Steve Quinley	Phone: 404/522-2000
Requester Name: LARRY J. GOR	Request From: Steve Quinley	Requester Name: Steve Quinley
Requester Title: Standard	Request From: Steve Quinley	Requester Title: Steve Quinley
Requester Email: lgor@ge.com	Request From: Steve Quinley	Requester Email: Steve.Quinley@ge.com

SAMPLE ID	DATE	TIME	SAMPLE FROM AT COLLECTION	PRESERVATION							App. 17 - N/A	App. 18 - N/A	TDS	ANALYSIS	ANALYST
				Unpreserved	COOL	WASH	NOX	NO3	NO2	NO					
BOW-BOWC-32	8/23/23	12:10	5 2 3	X	X	X	X	X	X	X	X	X	X	X	D 35
BOW-BOWC-33	8/23/23	14:50	5 2 3	X	X	X	X	X	X	X	X	X	X	X	D 36
BOW-BOWC-34	8/23/23	10:32	5 2 3	X	X	X	X	X	X	X	X	X	X	X	D 37

ANALYST	DATE	TIME	TEMP °C	RECEIVED BY	DATE	TIME	TEMP °C
William Looker	8/23/23	09:10		Ryan Williams	8/23/23	09:10	
Kevin M. R. ...	8/23/23	11:35		...	8/23/23	...	

Page

Showing a sample via the chain of custody certifies acknowledgment and acceptance of the Place, Time and Conditions found at the field site provided a complete chain of custody is maintained.

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 4

Requester Information:
 Requester: *Compta Firm*
 Address: *211 NORTH FRONT STREET W*
 Atlanta, GA 30308
 Phone: *404.582.2000*
 Requested Date: *Standard*

Requester Physical Information:
 Report To: *Miller, James Anthony Sr*
 Contact: *Copy 1 to: Laura HARRIS, Ben Hodges, Mike Strick*
 Sample Name: *Boiler Sample*
 Project Name: *Boiler #1*

Sender Information:
 Sender: *Standard*
 Company Name: *Georgia Power*
 Address: *241 North North Ave, Atlanta, GA 30308*
 Phone: *404.582.2000*
 Project Manager: *James Anthony Sr*
 Phone Number: *404.582.2000*

SAMPLE ID	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATION							APPROX. # OF SAMPLES	CFR 824	TDS	RAD 50:56320	ANALYST	
					COOLING	FREEZING	REFRIGERATION	OTHER	STORAGE	TRANSPORT	LABORATORY						
BOWAP1-ED-01	8/22/23	1505	5	2	3												
BOWAP1-ED-02																	
BOWAP1-ED-03	8/22/23	1124	5	2	3												
BOWAP1-ED-04																	
BOWAP1-ED-05																	
BOWAP1-ED-06																	
BOWAP1-ED-07																	
BOWAP1-ED-08																	
BOWAP1-ED-09																	
BOWAP1-ED-10																	
BOWAP1-ED-11																	
BOWAP1-ED-12																	
BOWAP1-ED-13																	
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BOWAP1-ED-27																	
BOWAP1-ED-28																	
BOWAP1-ED-29																	
BOWAP1-ED-30																	

DATE	TIME	TEMP IN C	ANALYST														
8/22/23	1603	5	2	3													
8/22/23	1611	5	2	3													
8/24/23	0910																
8/24/23	1235																
8/24/23	1245																
8/24/23	1255																
8/24/23	1305																
8/24/23	1315																
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8/24/23	2405																
8/24/23	2415																
8/24/23	2425																



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name: GA Power

Project # **WO# : 92683382**

PH: BY _____ Due Date: 09/11/23
CLIENT: 02-CP-BOWLF

Courier: Commercial Fed Ex UPS USPS Other _____ Client

Custody Seal Present? Yes No Seal Intact? Yes No

Date/Initials Person Examining Container: 8/23/23
CSZ

Packing Material: Bubble Wrap Bubble Bags None Other _____

Biological Tissue Frozen? Yes No N/A

Thermometer: In Sun ID: 230 Type of Ice: Wet Blue None

Cooler Temp: 5.6 Correction Factor: Add/Subtract (°C): 0.0

Temp should be above freezing to 6°C
 Samples out of temp entire. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.6

USDA Regulated Soil (N/A, water sample)
Did samples originate in a quarantined zone within the United States, CA, NY, or SC (check map)? Yes No

Do samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Container Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analytes: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Match: <u>W</u>		
Headpack in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY _____ Field Data Required? Yes No

Lot ID of spB containers: _____

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO# : 92683382

PR: BV

Due Date: 09/11/23

CLIENT: 92-GP-BOMLF

**Bottom half of box is to list number of bottles

***Check off unpreserved Nitrates for chlorine

ITEM#	DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
BP5U-250 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP2U-500 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP3U-1 liter Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP4S-125 mL Plastic H2SO4 (pH < 2) (CH)		/	/	/	/	/	/	/	/	/	/	/	/
BP5S-250 mL plastic HNO3 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
BP6S-125 mL Plastic 2N Acetic B. HCl (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
BP6S-250 mL Plastic HNO3 (pH < 2) (CH)		/	/	/	/	/	/	/	/	/	/	/	/
WGFP-Wide-mouthed Glass Jar Unpreserved		/	/	/	/	/	/	/	/	/	/	/	/
AG1B-1 liter Amber Unpreserved (N/A) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
AG2B-2 liter Amber HCl (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG3U-250 mL Amber Unpreserved (N/A) (C1-1)		/	/	/	/	/	/	/	/	/	/	/	/
AG3S-1 liter Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG3S-250 mL Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
DG94-40 mL Amber BHT/Cl (N/A)(CH)		/	/	/	/	/	/	/	/	/	/	/	/
DG9H-10 mL VOA HCl (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VG8T-40 mL VOA Na2S2O3 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VG9U-40 mL VOA Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG9U-40 mL VOA H3PO4 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
EP1U-50 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
V/lock 1/8 inch per NIP VPP/Gas kit (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
SP1T-125 mL Sterile Plastic (N/A - 1bb)		/	/	/	/	/	/	/	/	/	/	/	/
SP2T-250 mL Sterile Plastic (N/A - 1bb)		/	/	/	/	/	/	/	/	/	/	/	/
BP6S-125 mL Plastic (NH2)2SO4 (pH 3-9.7)		/	/	/	/	/	/	/	/	/	/	/	/
AG5U-100 mL Amber Unpreserved (N/A) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
VS5U-20 mL Scintillation vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG9U-40 mL Amber Unpreserved vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/

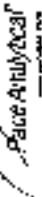
BPIN
 VPP/GAS KIT
 NIP VPP/GAS KIT

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQR Certification Office (i.e. Out of field, incorrect preservative, out of temp, incorrect containers)

Quality Control Sample Performance Assessment



Test: RA 220
 Analyte: ZPT
 Date: 9/1/2023
 Method: 15031
 Matrix: W1

Method Blank Assessment

MSD Sample ID	2576502
MSD Measurement	0.118
MSD 2 Sigma CSU	0.201
MSD MDL	0.509
MS Numerical Performance Indicator	0.00
MS Status vs Numerical Indicator	Pass
MS Upper Recovery Limit	Pass
MS Lower Recovery Limit	Pass

Laboratory Control Sample Assessment

LOSDT or NP	Y
LOSDT	LOSDT001
Count	9570203
Sample ID	23-043
Count Corrected Spike Concentration (ppm)	35.902
Volume Used (mL)	0.10
Aliquot Volume (L)	0.10
Target Conc (ppm)	4.878
Concentration (ppm)	0.429
Result (ppm)	1.721
MSD CSU 2 Sigma (ppm)	5.428
Numerical Performance Indicator	-2.52
Percent Recovery	16.21%
Status vs Numerical Indicator	Fail
Upper % Recovery Limit	195%
Lower % Recovery Limit	0%

Duplicate Sample Assessment

Sample ID	U157501
Duplicate Sample ID	U5D7501
Sample Result 1 (ppm)	3.734
Sample Result 2 (ppm)	0.820
Sample Duplicate Ratio (ppm)	7.515
Sample Duplicate Ratio 2 (ppm)	0.480
MS Numerical Performance Indicator	NO
MS Status vs Numerical Indicator	0.336
MS Upper Recovery Limit	5.41%
MS Lower Recovery Limit	Fail
Duplicate Status vs Numerical Indicator	Pass
Duplicate Status vs RPD Limit	36%

Pass Evaluation of duplicate precision is not applicable as within the sample of the spike results we below the MDL.

CONTINUED:

VAF
9/18/23

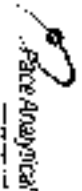
Sample Matrix Spike Control Assessment

Sample Collection Date	MSMSD 1	MSMSD 2
Sample ID		
Sample Matrix		
Sample ID		
MSMSD 1		
MSMSD 2		
MS Target Concentration (ppm)		
MS Spike Volume Used in MS (mL)		
MS Spike Volume Used in MSD (mL)		
MS Target Concentration (ppm)		
MSD Target Concentration (ppm)		
MS Spike Uncertainty (relative)		
MSD Spike Uncertainty (relative)		
Sample Result 2 (ppm)		
Sample Spike Ratio (ppm)		
MS Numerical Performance Indicator		
MS Status vs Numerical Indicator		
MS Upper Recovery Limit		
MS Lower Recovery Limit		

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample ID	
Sample Matrix	
Sample ID	
MS Target Concentration (ppm)	
MS Spike Volume Used in MS (mL)	
MS Spike Volume Used in MSD (mL)	
MS Target Concentration (ppm)	
MSD Target Concentration (ppm)	
MS Spike Uncertainty (relative)	
MSD Spike Uncertainty (relative)	
Sample Result 2 (ppm)	
Sample Spike Ratio (ppm)	
MS Numerical Performance Indicator	
MS Status vs Numerical Indicator	
MS Upper Recovery Limit	
MS Lower Recovery Limit	

Quality Control Sample Performance Assessment



Test: RA-228
 ZFC
 Analyte: 9/17/2023
 Date: 75025
 Worksheet: 7/1
 Name: 7/1

Analyst: Maria Manually Enter All Fields Methodology: In Yellow

Method Blank Assessment	MS Sample ID	2376565
MS Concentration	C150	
MS 2 Sigma CSU	0.237	
MS MDZ	0.741	
MS Numerical Performance Indicator	0.00	
MS Status vs Numerical Indicator	Pass	
MS Status vs MDZ	Pass	

Calculated Control Sample Assessment	LCSD % of NP	LCSD % of NP
Count Date	5/11/2023	
Spire ID	23-045	
Batch Connected Spire Dates (Start/End)	20/065	
Volume Used (mL)	0.10	
Aliquot Volume (L) (g) (F)	0.017	
Target Conc. (ppm) (g) (F)	4850	
Uncertainty (Calculation)	0.230	
Percent (FC) (g) (F)	7.62	
LCSD 2 Sigma CSU (ppm) (g) (F)	0.811	
MS Numerical Performance Indicator	0.14	
Percent Recovery	7.62	
Spire vs Numerical Indicator	Fail	
Status vs Recovery	Fail	
Lower % Recovery Limit	1.02%	
Upper % Recovery Limit	132%	

RI

Duplicate Sample Assessment	Sample ID	Enter Duplicate Sample ID & other than LCSD/CSU in the Spire below
Sample Result 1 (1) (L) (F)	Sample Result 2 (2) (L) (F)	
Sample Result 3 (3) (L) (F)	Sample Result 4 (4) (L) (F)	
Sample Result 5 (5) (L) (F)	Sample Result 6 (6) (L) (F)	
Sample Result 7 (7) (L) (F)	Sample Result 8 (8) (L) (F)	
Sample Result 9 (9) (L) (F)	Sample Result 10 (10) (L) (F)	
Sample Result 11 (11) (L) (F)	Sample Result 12 (12) (L) (F)	
Sample Result 13 (13) (L) (F)	Sample Result 14 (14) (L) (F)	
Sample Result 15 (15) (L) (F)	Sample Result 16 (16) (L) (F)	
Sample Result 17 (17) (L) (F)	Sample Result 18 (18) (L) (F)	
Sample Result 19 (19) (L) (F)	Sample Result 20 (20) (L) (F)	
Sample Result 21 (21) (L) (F)	Sample Result 22 (22) (L) (F)	
Sample Result 23 (23) (L) (F)	Sample Result 24 (24) (L) (F)	
Sample Result 25 (25) (L) (F)	Sample Result 26 (26) (L) (F)	
Sample Result 27 (27) (L) (F)	Sample Result 28 (28) (L) (F)	
Sample Result 29 (29) (L) (F)	Sample Result 30 (30) (L) (F)	
Sample Result 31 (31) (L) (F)	Sample Result 32 (32) (L) (F)	
Sample Result 33 (33) (L) (F)	Sample Result 34 (34) (L) (F)	
Sample Result 35 (35) (L) (F)	Sample Result 36 (36) (L) (F)	
Sample Result 37 (37) (L) (F)	Sample Result 38 (38) (L) (F)	
Sample Result 39 (39) (L) (F)	Sample Result 40 (40) (L) (F)	
Sample Result 41 (41) (L) (F)	Sample Result 42 (42) (L) (F)	
Sample Result 43 (43) (L) (F)	Sample Result 44 (44) (L) (F)	
Sample Result 45 (45) (L) (F)	Sample Result 46 (46) (L) (F)	
Sample Result 47 (47) (L) (F)	Sample Result 48 (48) (L) (F)	
Sample Result 49 (49) (L) (F)	Sample Result 50 (50) (L) (F)	
Sample Result 51 (51) (L) (F)	Sample Result 52 (52) (L) (F)	
Sample Result 53 (53) (L) (F)	Sample Result 54 (54) (L) (F)	
Sample Result 55 (55) (L) (F)	Sample Result 56 (56) (L) (F)	
Sample Result 57 (57) (L) (F)	Sample Result 58 (58) (L) (F)	
Sample Result 59 (59) (L) (F)	Sample Result 60 (60) (L) (F)	
Sample Result 61 (61) (L) (F)	Sample Result 62 (62) (L) (F)	
Sample Result 63 (63) (L) (F)	Sample Result 64 (64) (L) (F)	
Sample Result 65 (65) (L) (F)	Sample Result 66 (66) (L) (F)	
Sample Result 67 (67) (L) (F)	Sample Result 68 (68) (L) (F)	
Sample Result 69 (69) (L) (F)	Sample Result 70 (70) (L) (F)	
Sample Result 71 (71) (L) (F)	Sample Result 72 (72) (L) (F)	
Sample Result 73 (73) (L) (F)	Sample Result 74 (74) (L) (F)	
Sample Result 75 (75) (L) (F)	Sample Result 76 (76) (L) (F)	
Sample Result 77 (77) (L) (F)	Sample Result 78 (78) (L) (F)	
Sample Result 79 (79) (L) (F)	Sample Result 80 (80) (L) (F)	
Sample Result 81 (81) (L) (F)	Sample Result 82 (82) (L) (F)	
Sample Result 83 (83) (L) (F)	Sample Result 84 (84) (L) (F)	
Sample Result 85 (85) (L) (F)	Sample Result 86 (86) (L) (F)	
Sample Result 87 (87) (L) (F)	Sample Result 88 (88) (L) (F)	
Sample Result 89 (89) (L) (F)	Sample Result 90 (90) (L) (F)	
Sample Result 91 (91) (L) (F)	Sample Result 92 (92) (L) (F)	
Sample Result 93 (93) (L) (F)	Sample Result 94 (94) (L) (F)	
Sample Result 95 (95) (L) (F)	Sample Result 96 (96) (L) (F)	
Sample Result 97 (97) (L) (F)	Sample Result 98 (98) (L) (F)	
Sample Result 99 (99) (L) (F)	Sample Result 100 (100) (L) (F)	

MS/MSD Duplicate Sample Assessment	Sample ID	MS/MSD 1	MS/MSD 2
Sample Result 1 (1) (L) (F)	Sample Result 2 (2) (L) (F)		
Sample Result 3 (3) (L) (F)	Sample Result 4 (4) (L) (F)		
Sample Result 5 (5) (L) (F)	Sample Result 6 (6) (L) (F)		
Sample Result 7 (7) (L) (F)	Sample Result 8 (8) (L) (F)		
Sample Result 9 (9) (L) (F)	Sample Result 10 (10) (L) (F)		
Sample Result 11 (11) (L) (F)	Sample Result 12 (12) (L) (F)		
Sample Result 13 (13) (L) (F)	Sample Result 14 (14) (L) (F)		
Sample Result 15 (15) (L) (F)	Sample Result 16 (16) (L) (F)		
Sample Result 17 (17) (L) (F)	Sample Result 18 (18) (L) (F)		
Sample Result 19 (19) (L) (F)	Sample Result 20 (20) (L) (F)		
Sample Result 21 (21) (L) (F)	Sample Result 22 (22) (L) (F)		
Sample Result 23 (23) (L) (F)	Sample Result 24 (24) (L) (F)		
Sample Result 25 (25) (L) (F)	Sample Result 26 (26) (L) (F)		
Sample Result 27 (27) (L) (F)	Sample Result 28 (28) (L) (F)		
Sample Result 29 (29) (L) (F)	Sample Result 30 (30) (L) (F)		
Sample Result 31 (31) (L) (F)	Sample Result 32 (32) (L) (F)		
Sample Result 33 (33) (L) (F)	Sample Result 34 (34) (L) (F)		
Sample Result 35 (35) (L) (F)	Sample Result 36 (36) (L) (F)		
Sample Result 37 (37) (L) (F)	Sample Result 38 (38) (L) (F)		
Sample Result 39 (39) (L) (F)	Sample Result 40 (40) (L) (F)		
Sample Result 41 (41) (L) (F)	Sample Result 42 (42) (L) (F)		
Sample Result 43 (43) (L) (F)	Sample Result 44 (44) (L) (F)		
Sample Result 45 (45) (L) (F)	Sample Result 46 (46) (L) (F)		
Sample Result 47 (47) (L) (F)	Sample Result 48 (48) (L) (F)		
Sample Result 49 (49) (L) (F)	Sample Result 50 (50) (L) (F)		
Sample Result 51 (51) (L) (F)	Sample Result 52 (52) (L) (F)		
Sample Result 53 (53) (L) (F)	Sample Result 54 (54) (L) (F)		
Sample Result 55 (55) (L) (F)	Sample Result 56 (56) (L) (F)		
Sample Result 57 (57) (L) (F)	Sample Result 58 (58) (L) (F)		
Sample Result 59 (59) (L) (F)	Sample Result 60 (60) (L) (F)		
Sample Result 61 (61) (L) (F)	Sample Result 62 (62) (L) (F)		
Sample Result 63 (63) (L) (F)	Sample Result 64 (64) (L) (F)		
Sample Result 65 (65) (L) (F)	Sample Result 66 (66) (L) (F)		
Sample Result 67 (67) (L) (F)	Sample Result 68 (68) (L) (F)		
Sample Result 69 (69) (L) (F)	Sample Result 70 (70) (L) (F)		
Sample Result 71 (71) (L) (F)	Sample Result 72 (72) (L) (F)		
Sample Result 73 (73) (L) (F)	Sample Result 74 (74) (L) (F)		
Sample Result 75 (75) (L) (F)	Sample Result 76 (76) (L) (F)		
Sample Result 77 (77) (L) (F)	Sample Result 78 (78) (L) (F)		
Sample Result 79 (79) (L) (F)	Sample Result 80 (80) (L) (F)		
Sample Result 81 (81) (L) (F)	Sample Result 82 (82) (L) (F)		
Sample Result 83 (83) (L) (F)	Sample Result 84 (84) (L) (F)		
Sample Result 85 (85) (L) (F)	Sample Result 86 (86) (L) (F)		
Sample Result 87 (87) (L) (F)	Sample Result 88 (88) (L) (F)		
Sample Result 89 (89) (L) (F)	Sample Result 90 (90) (L) (F)		
Sample Result 91 (91) (L) (F)	Sample Result 92 (92) (L) (F)		
Sample Result 93 (93) (L) (F)	Sample Result 94 (94) (L) (F)		
Sample Result 95 (95) (L) (F)	Sample Result 96 (96) (L) (F)		
Sample Result 97 (97) (L) (F)	Sample Result 98 (98) (L) (F)		
Sample Result 99 (99) (L) (F)	Sample Result 100 (100) (L) (F)		

At Evaluation of Udd/Low prices on it not applicable if after the sample or duplicate results are within the RFL:
 Comments:
 *Search must be as prep'd due to LUD issues

WAT
 9/17/23

Quality Control Sample Performance Assessment



Test#: RA-228
 Analyst: ZPC
 Date: 9/14/23
 Version: 75035
 Page 11

Analyst Must Manually Enter All Inside Checkboxes in Yellow

Method Blank Assessment

MS Sample ID: MS00000000
 MS Concentration: MS00000000
 MS Numerical Performance Indicator: MS00000000
 MS Status vs Numerical Indicator: MS00000000
 MS Status vs Method: MS00000000

Laboratory Control Sample Assessment

Control Name	Target Value	Actual Value	% Error
Control 1	100.00	100.00	0.00%
Control 2	200.00	200.00	0.00%
Control 3	300.00	300.00	0.00%
Control 4	400.00	400.00	0.00%
Control 5	500.00	500.00	0.00%
Control 6	600.00	600.00	0.00%
Control 7	700.00	700.00	0.00%
Control 8	800.00	800.00	0.00%
Control 9	900.00	900.00	0.00%
Control 10	1000.00	1000.00	0.00%

Duplicate Sample Assessment

Sample ID: MS00000000
 Duplicate Sample ID: MS00000000
 Sample Name: MS00000000
 Sample Concentration: MS00000000
 Sample Numerical Performance Indicator: MS00000000
 Sample Status vs Numerical Indicator: MS00000000
 Sample Status vs Method: MS00000000

Sample Matrix Spike Control Assessment

Sample Matrix Spike Control Name	Sample Concentration	MS Sample ID	MS Concentration	MS Numerical Performance Indicator	MS Status vs Numerical Indicator	MS Status vs Method
MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000
MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000
MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000
MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000
MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000
MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000
MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000
MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000
MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000
MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000	MS00000000

Matrix Spike/Recovery Spike Duplicate Sample Assessment

Sample ID: MS00000000
 Duplicate Sample ID: MS00000000
 Sample Name: MS00000000
 Sample Concentration: MS00000000
 Sample Numerical Performance Indicator: MS00000000
 Sample Status vs Numerical Indicator: MS00000000
 Sample Status vs Method: MS00000000

2. Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDL.

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UPL

9/19/23

Quality Control Sample Performance Assessment



Analyst Must Affirmatively Enter All Fields Highlighted in Yellow

Test: R-228
 Analyst: VAL
 Date: 5/13/2023
 Worksheet: 75251
 Matrix: WIT

Method Blank Performance

MS Sample ID	7861706
MS Concentration	0.240
MS Sigma	0.312
MS MSQ	0.171
MS Numerical Performance Indicator	1.42
MS Status vs Numerical Indicator	Pass
MS Status vs MSQ	Pass

Laboratory Control Sample Assessment

Sample ID	Y
LC507561	10.52023
LC507562	23.043
LC507563	29.172
LC507564	3.10
LC507565	0.815
LC507566	4.820
LC507567	0.728
LC507568	5.445
LC507569	1.276
LC507570	0.90
LC507571	111.524
LC507572	N/A
LC507573	Pass
LC507574	100%
LC507575	100%
LC507576	62%

Duplicate Sample Assessment

Sample ID	Y	Other Item
LC507561	10.52023	LC507562
LC507562	23.043	LC507561
LC507563	29.172	LC507564
LC507564	3.10	LC507563
LC507565	0.815	LC507566
LC507566	4.820	LC507565
LC507567	0.728	LC507568
LC507568	5.445	LC507567
LC507569	1.276	LC507570
LC507570	0.90	LC507569
LC507571	111.524	LC507572
LC507572	N/A	LC507571
LC507573	Pass	LC507574
LC507574	100%	LC507573
LC507575	100%	LC507574
LC507576	62%	LC507575

Sample Matrix Spike Control Assessment

Sample ID	Y
MS4450	1
MS4451	1
MS4452	1
MS4453	1
MS4454	1
MS4455	1
MS4456	1
MS4457	1
MS4458	1
MS4459	1
MS4460	1
MS4461	1
MS4462	1
MS4463	1
MS4464	1
MS4465	1
MS4466	1
MS4467	1
MS4468	1
MS4469	1
MS4470	1
MS4471	1
MS4472	1
MS4473	1
MS4474	1
MS4475	1
MS4476	1
MS4477	1
MS4478	1
MS4479	1
MS4480	1
MS4481	1
MS4482	1
MS4483	1
MS4484	1
MS4485	1
MS4486	1
MS4487	1
MS4488	1
MS4489	1
MS4490	1
MS4491	1
MS4492	1
MS4493	1
MS4494	1
MS4495	1
MS4496	1
MS4497	1
MS4498	1
MS4499	1
MS4500	1

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample ID	Y
MS4450	1
MS4451	1
MS4452	1
MS4453	1
MS4454	1
MS4455	1
MS4456	1
MS4457	1
MS4458	1
MS4459	1
MS4460	1
MS4461	1
MS4462	1
MS4463	1
MS4464	1
MS4465	1
MS4466	1
MS4467	1
MS4468	1
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MS4488	1
MS4489	1
MS4490	1
MS4491	1
MS4492	1
MS4493	1
MS4494	1
MS4495	1
MS4496	1
MS4497	1
MS4498	1
MS4499	1
MS4500	1

For Evaluation of duplicate retention is not applicable if matrix. The sample ID of duplicate results are below the NDC Comment

VAL
 9/19/23

Quality Control Sample Performance Assessment

Pass Analytical
 2020-09-01

Analyst: Robert Marquardt Email: RM@passanalytical.com

Lab: F-226
 Analyst: SJC
 Date: 9/3/2023
 Worksheet: 75105
 Matrix: M1

Method Blank Assessment

MR Sample ID	287704
MR Concentration	0.07
MR 2 Sigma (SD)	0.25
MR MDL	0.71
MR Numerical Performance Interval	7.47
MR Status as Reported	Pass
MR Status as MDL	NA

Recovery Control Sample Assessment

Control	LC8575105	LC8575105
Control Name	LC8575105	LC8575105
Sample ID	287716	311223
Volume added (mL)	25.00	25.00
Spiked Volume (mL)	25.00	25.00
Target Concentration (ppm)	4.80	4.80
Measured Concentration (ppm)	0.231	0.231
Recovery (%)	4.80	4.80
Numerical Performance Interval	0.163	0.163
Factor Efficiency	0.231	0.231
Status as Reported	Pass	Pass
Status as Recovery	NA	NA
Status as Precision Limit	0.25	0.25
Status as Recovery Limit	0.25	0.25

Duplicate Sample Assessment

Sample ID	LC8575105	LC8575105
Sample ID	287716	287716
Sample Concentration	0.231	0.231
Sample 2 Concentration	0.231	0.231
Average Concentration	0.231	0.231
Standard Deviation	0.000	0.000
Numerical Performance Interval	0.163	0.163
Status as Reported	Pass	Pass
Status as Precision Limit	0.25	0.25
Status as Recovery Limit	0.25	0.25

Sample Matrix Spike Control Assessment

Sample ID	MS15021	MS15021
Sample ID	MS15021	MS15021
Sample Concentration	0.231	0.231
Sample 2 Concentration	0.231	0.231
Average Concentration	0.231	0.231
Standard Deviation	0.000	0.000
Numerical Performance Interval	0.163	0.163
Status as Reported	Pass	Pass
Status as Precision Limit	0.25	0.25
Status as Recovery Limit	0.25	0.25

Matrix Spike Duplicate Assessment

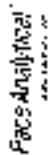
Sample ID	MS15021	MS15021
Sample ID	MS15021	MS15021
Sample Concentration	0.231	0.231
Sample 2 Concentration	0.231	0.231
Average Concentration	0.231	0.231
Standard Deviation	0.000	0.000
Numerical Performance Interval	0.163	0.163
Status as Reported	Pass	Pass
Status as Precision Limit	0.25	0.25
Status as Recovery Limit	0.25	0.25

Comments: Evaluate the data precision and accuracy for the sample results to the below the MDL

[Handwritten Signature]

RAM 9/13/23

Quality Control Sample Performance Assessment



Test: **Ag-226**
 Anal. Lab: **SLC**
 Date: **07/14/2023**
 Worksheet: **7517J**
 Matrix: **WT**

Method Blank Assessment

MD Sample ID	290626
MB Concentration	0.345
MD Sample ID	0.261
MB MDG	0.370
UR Numerical Performance Indicator	1.00
MB Status vs. Recovery Indicator	Pass
MB Status vs. MDG	Pass

Laboratory Control Sample Assessment

Control	LC5075173	LC5075173
Sample ID	30192023	30192023
Sample Concentration	32.282	32.282
Target Conc. (µCi/L)	3.10	3.10
Recovery (%)	0.95	0.95
Uncertainty (%)	0.25	0.25
MDG (%)	1.1%	1.1%
UR Numerical Performance Indicator	0.95	0.95
MB Status vs. Recovery	Pass	Pass
MB Status vs. MDG	Pass	Pass

Duplicate Sample Assessment

Sample ID	LC5075173	LC5075173
Duplicate Sample ID	950332062	20801802701011
Sample Concentration	4.758	4.758
Target Conc. (µCi/L)	0.116	0.116
Recovery (%)	0.926	0.926
Uncertainty (%)	0.42	0.42
MDG (%)	0.1%	0.1%
UR Numerical Performance Indicator	Pass	Pass
MB Status vs. Recovery	Pass	Pass
MB Status vs. MDG	Pass	Pass

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Sample Matrix Spike Control Assessment

Sample ID	Matrix	MSD	MSD
Sample ID	Sample ID	MSD	MSD
Sample Volume	Sample Volume	MSD	MSD
Sample MSD ID	Sample MSD ID	MSD	MSD
MSD ID	MSD ID	MSD	MSD
MSD Concentration	MSD Concentration	MSD	MSD
MSD Sample ID	MSD Sample ID	MSD	MSD
MSD Matrix	MSD Matrix	MSD	MSD
MSD Target Conc. (µCi/L)	MSD Target Conc. (µCi/L)	MSD	MSD
MSD Recovery (%)	MSD Recovery (%)	MSD	MSD
MSD Uncertainty (%)	MSD Uncertainty (%)	MSD	MSD
MSD MDG (%)	MSD MDG (%)	MSD	MSD
MSD UR Numerical Performance Indicator	MSD UR Numerical Performance Indicator	MSD	MSD
MSD MB Status vs. Recovery	MSD MB Status vs. Recovery	MSD	MSD
MSD MB Status vs. MDG	MSD MB Status vs. MDG	MSD	MSD

Matrix Spike Matrix Spike Duplicate Sample Assessment

Sample ID	Matrix	MSD	MSD
Sample ID	Sample ID	MSD	MSD
Sample Volume	Sample Volume	MSD	MSD
Sample MSD ID	Sample MSD ID	MSD	MSD
MSD ID	MSD ID	MSD	MSD
MSD Concentration	MSD Concentration	MSD	MSD
MSD Sample ID	MSD Sample ID	MSD	MSD
MSD Matrix	MSD Matrix	MSD	MSD
MSD Target Conc. (µCi/L)	MSD Target Conc. (µCi/L)	MSD	MSD
MSD Recovery (%)	MSD Recovery (%)	MSD	MSD
MSD Uncertainty (%)	MSD Uncertainty (%)	MSD	MSD
MSD MDG (%)	MSD MDG (%)	MSD	MSD
MSD UR Numerical Performance Indicator	MSD UR Numerical Performance Indicator	MSD	MSD
MSD MB Status vs. Recovery	MSD MB Status vs. Recovery	MSD	MSD
MSD MB Status vs. MDG	MSD MB Status vs. MDG	MSD	MSD

MS: Evaluation of duplicate performance is not available. Refer to the sample and/or method file for more information.

Comments: **MSD Concentration is not available. Refer to the sample and/or method file for more information.**

LAB: 07/14/2023
 1000 Main Street, Suite 100, Northampton, MA 01060

Passes vs Recovery Criteria
 75-125%

LAB: 07/14/2023

Pre-Design Investigation Events

June – October 2023

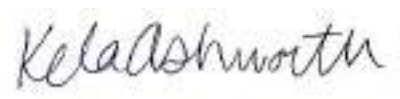

Analytical Results

SiREM File Reference: S-9872

Client: Geosyntec Consultants Inc.
Client Project Number: GW6581H/09/03
Date Samples Received: June 22, 2023
Date Samples Analyzed: August 9, 2023

Client Sample ID	Laboratory Sample ID	Client Sample Date	Molybdenum	Cobalt	Arsenic	Iron	Aluminum	Manganese
			µg/g	µg/g	µg/g	µg/g	µg/g	µg/g
BOW-PDI-SO-20230609-50.0-50.2	23-14293	9-Jun-23	15	4.2	9.5	8,000	21,000	110

Comments:
µg/g - microgram per gram

Analyst:	Results approved:	Date:
		15-Sep-23
Kela Ashworth, B.Sc. Scientist	Michael Healey, B.Sc. Project Scientist	



Canada Shipping Address
 130 Stone Road West
 Guelph, Ontario N1G 3Z2
 PH 1 519 622-2266
 Toll Free PH 1-866-251-1747
 www.sirem.com

U.S. Shipping Address
 1808 Market Place Blvd
 Knoxville, TN 37922
 PH 1 865 333 0037
 Toll Free PH 1-866-251-1747

Chain of Custody (COC) Record

Lab #
S9872

Project Name Bowen PDI		Project # (Optional) GW6581H/09/03		Analysis										1 of 1 COCs					
Project Manager Kip Gray		Proposal #												Two bags (2000g) for 10.45 at 10.45												For Lab Use Only SIREM Database Info
Company Geosyntec Consultants	Email Address Kip.Gray@geosyntec.com															Recorded By: ...			
Address (Street) 1255 Roberts Blvd, Suite 200														Date:					
City Kennesaw	State/Province GA, 30144	Country USA													Sample ID				
Phone # 678-202-9500																			
Sampler's Signature <i>(Taylor Payne)</i>		Sampler's Printed Name Taylor Payne																	
Client Sample ID		Sampling		Matrix	Number of Containers	Sample Preservative	X											Other Information (Optional)	
		Date	Time																
BOW-PDI-01-SD-20230609-50.0-50.2		6/9/2023	18:00	SO	1	None													
<div style="display: flex; justify-content: space-between;"> <i>(Signature)</i> <i>(Signature)</i> </div>																			
Billing Information (Optional)						Observed Cooler Temperature (°C) 3.8						For Lab Use Only							
P.O. # GW6581H/09/03						Corrected Cooler Temperature (°C) 6.9						Cooler Number (if applicable):							
Bill To Geosyntec Consultants - Kennesaw Branch						Thermometer ID KX00058						Custody Seal Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Not Applicable)							
Custody Seal Number (if applicable):																			
Relinquished By:		Received By:		Relinquished By:		Received By:		Relinquished By:		Received By:		Relinquished By:		Received By:					
<i>(Signature)</i>		<i>(Signature)</i>		<i>(Signature)</i>		<i>(Signature)</i>		<i>(Signature)</i>		<i>(Signature)</i>		<i>(Signature)</i>		<i>(Signature)</i>					
Printed Name Ashley Sawant		Printed Name Fair and Cecilia		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name					
Firm Geosyntec		Firm SIREM		Firm		Firm		Firm		Firm		Firm		Firm					
Date/Time 6-21-2023 17:00		Date/Time 06-22-23 10:00		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time					

Please note: The SIREM Knoxville location does not have a loading dock and cannot accept shipments from trucks without a lift gate.



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2000 FAX: 705-652-6365

Project : PO#8000005846A

05-September-2023

SiREM Laboratory

Attn : Kela Ashworth

130 Stone Rd. W, Guelph
Canada, N1G 3Z2
Phone: 519-822-2265, Fax:519-822-3151

Date Rec. : 26 July 2023
LR Report: CA12966-JUL23
Reference: S-9872 (Si-06545) - PO#
800005846A

Copy: #1

CERTIFICATE OF ANALYSIS

Final Report

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis Completed Time	5: BOW-PDI-01- SO
Sample Date & Time					24-Jul-23
Ag [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	10
Al [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	21000
As [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	9.5
Ba [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	50
Be [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	0.33
Bi [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	< 0.09
Ca [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	180000
Cd [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	0.03
Co [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	4.2
Cr [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	12
Cu [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	28
Fe [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	8000
K [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	6700
Li [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	12
Mg [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	93000
Mn [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	110
Mo [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	15
Ni [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	11
Pb [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	9
Sb [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	< 0.8
Se [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	0.1
Sn [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	< 6
Sr [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	56
Ti [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	894
Tl [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	0.38
U [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	2.08


SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.
 Lakefield - Ontario - K0L 2H0
 Phone: 705-652-2000 FAX: 705-652-6365

Project : PO#8000005846A

LR Report : CA12966-JUL23

Analysis	1: Analysis Start Date	2: Analysis Start Time	3: Analysis Completed Date	4: Analysis BOW-PDI-01- Completed Time	5: SO
V [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	16
Y [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	3.25
Zn [µg/g]	03-Aug-23	19:06	09-Aug-23	10:03	12

Catharine Arnold 
Catharine Arnold, B.Sc., C.Chem
 Project Specialist,
 Environment, Health & Safety



June 30, 2023

Kristen Jurinko
Southern Co.

RE: Project: Plant Bowen PDI June 2023
Pace Project No.: 92673015

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on June 16, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,

Angela Baioni for
Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Whitney Law, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Anthony Szwast, Geosyntec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant Bowen PDI June 2023

Pace Project No.: 92673015

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant Bowen PDI June 2023
Pace Project No.: 92673015

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92673015001	BOW-PDI-02-WG-20230613-33	Water	06/13/23 12:33	06/16/23 13:46

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SAMPLE ANALYTE COUNT

Project: Plant Bowen PDI June 2023
Pace Project No.: 92673015

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92673015001	BOW-PDI-02-WG-20230613-33	EPA 6020B	CW1	2

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Plant Bowen PDI June 2023

Pace Project No.: 92673015

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92673015001	BOW-PDI-02-WG-20230613-33					
EPA 6020B	Boron, Dissolved	15.2	mg/L	0.40	06/29/23 13:24	
EPA 6020B	Cobalt, Dissolved	0.0057	mg/L	0.0050	06/28/23 19:59	

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ANALYTICAL RESULTS

Project: Plant Bowen PDI June 2023

Pace Project No.: 92673015

Sample: BOW-PDI-02-WG-20230613-33 Lab ID: 92673015001 Collected: 06/13/23 12:33 Received: 06/16/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Boron, Dissolved	15.2	mg/L	0.40	0.086	10	06/28/23 11:00	06/29/23 13:24	7440-42-8	
Cobalt, Dissolved	0.0057	mg/L	0.0050	0.00039	1	06/28/23 11:00	06/28/23 19:59	7440-48-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant Bowen PDI June 2023
 Pace Project No.: 92673015

QC Batch: 783506 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET Dissolved
 Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92673015001

METHOD BLANK: 4063430 Matrix: Water

Associated Lab Samples: 92673015001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron, Dissolved	mg/L	ND	0.040	0.0086	06/28/23 19:47	
Cobalt, Dissolved	mg/L	ND	0.0050	0.00039	06/28/23 19:47	

LABORATORY CONTROL SAMPLE: 4063431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron, Dissolved	mg/L	1	1.0	100	80-120	
Cobalt, Dissolved	mg/L	0.1	0.10	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4063512 4063513

Parameter	Units	4063512		4063513		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Boron, Dissolved	mg/L	15.2	1	1	16.5	132	55	75-125	5	20	
Cobalt, Dissolved	mg/L	0.0057	0.1	0.1	0.10	99	96	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant Bowen PDI June 2023

Pace Project No.: 92673015

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen PDI June 2023
Pace Project No.: 92673015

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92673015001	BOW-PDI-02-WG-20230613-33	EPA 3005A	783506	EPA 6020B	783627

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

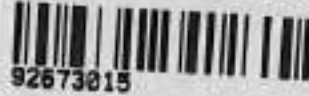
Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #:

WO#: 92673015



Courier: Fed Ex UPS USPS Client Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9/15/23 [initials]

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 214 Type of Ice: Wet Blue None

Cooler Temp: 4.5 Correction Factor: 0.1 Add/Subtract (°C)

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.6

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: W	
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92673015

PM: BV

Due Date: 06/30/23

CLIENT: 92-GP-BOWLF

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WG7U-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-2 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG9U-100 mL Amber Unpreserved (N/A) (C-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



August 15, 2023

Kristen Jurinko
Southern Co.

RE: Project: Plant Bowen PDI July 2023
Pace Project No.: 92679362

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on July 26, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Whitney Law, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Anthony Szwast, Geosyntec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Plant Bowen PDI July 2023
Pace Project No.: 92679362

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381
South Carolina Certification #: 98011001
Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Plant Bowen PDI July 2023

Pace Project No.: 92679362

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92679362001	BOW-PDI-01-WG-20230725-38.0	Water	07/25/23 18:49	07/26/23 11:50
92679362002	BOW-PDI-03-WG-20230725-32.0	Water	07/25/23 11:53	07/26/23 11:50
92679362003	BOW-PDI-WG-FD-20230725	Water	07/25/23 11:53	07/26/23 11:50
92679362004	BOW-PDI-WQ-EB-20230725	Water	07/25/23 13:30	07/26/23 11:50
92679362005	BOW-PDI-WQ-FB-20230725	Water	07/25/23 13:30	07/26/23 11:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Plant Bowen PDI July 2023
Pace Project No.: 92679362

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92679362001	BOW-PDI-01-WG-20230725-38.0	EPA 6020B	CW1	2
92679362002	BOW-PDI-03-WG-20230725-32.0	EPA 6020B	CW1	2
92679362003	BOW-PDI-WG-FD-20230725	EPA 6020B	CW1	2
92679362004	BOW-PDI-WQ-EB-20230725	EPA 6020B	CW1	2
92679362005	BOW-PDI-WQ-FB-20230725	EPA 6020B	CW1	2

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Plant Bowen PDI July 2023

Pace Project No.: 92679362

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92679362001	BOW-PDI-01-WG-20230725-38.0					
EPA 6020B	Boron, Dissolved	21.8	mg/L	0.40	08/11/23 18:54	M1
EPA 6020B	Cobalt, Dissolved	0.035	mg/L	0.0050	08/10/23 20:30	
92679362002	BOW-PDI-03-WG-20230725-32.0					
EPA 6020B	Boron, Dissolved	9.6	mg/L	0.40	08/11/23 19:12	
EPA 6020B	Cobalt, Dissolved	0.0031J	mg/L	0.0050	08/10/23 20:54	
92679362003	BOW-PDI-WG-FD-20230725					
EPA 6020B	Boron, Dissolved	9.1	mg/L	0.40	08/11/23 19:18	
EPA 6020B	Cobalt, Dissolved	0.0031J	mg/L	0.0050	08/10/23 21:06	

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ANALYTICAL RESULTS

Project: Plant Bowen PDI July 2023

Pace Project No.: 92679362

Sample: BOW-PDI-01-WG-20230725-38.0 Lab ID: 92679362001 Collected: 07/25/23 18:49 Received: 07/26/23 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Boron, Dissolved	21.8	mg/L	0.40	0.086	10	08/09/23 14:00	08/11/23 18:54	7440-42-8	M1
Cobalt, Dissolved	0.035	mg/L	0.0050	0.00039	1	08/09/23 14:00	08/10/23 20:30	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Bowen PDI July 2023

Pace Project No.: 92679362

Sample: **BOW-PDI-03-WG-20230725-32.0** Lab ID: **92679362002** Collected: 07/25/23 11:53 Received: 07/26/23 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020B									
Pace Analytical Services - Peachtree Corners, GA									
Boron, Dissolved	9.6	mg/L	0.40	0.086	10		08/11/23 19:12	7440-42-8	
Cobalt, Dissolved	0.0031J	mg/L	0.0050	0.00039	1		08/10/23 20:54	7440-48-4	

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ANALYTICAL RESULTS

Project: Plant Bowen PDI July 2023

Pace Project No.: 92679362

Sample: BOW-PDI-WG-FD-20230725 Lab ID: 92679362003 Collected: 07/25/23 11:53 Received: 07/26/23 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020B									
Pace Analytical Services - Peachtree Corners, GA									
Boron, Dissolved	9.1	mg/L	0.40	0.086	10		08/11/23 19:18	7440-42-8	
Cobalt, Dissolved	0.0031J	mg/L	0.0050	0.00039	1		08/10/23 21:06	7440-48-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant Bowen PDI July 2023

Pace Project No.: 92679362

Sample: BOW-PDI-WQ-EB-20230725 Lab ID: 92679362004 Collected: 07/25/23 13:30 Received: 07/26/23 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved									
Analytical Method: EPA 6020B									
Pace Analytical Services - Peachtree Corners, GA									
Boron, Dissolved	ND	mg/L	0.040	0.0086	1		08/11/23 18:30	7440-42-8	
Cobalt, Dissolved	ND	mg/L	0.0050	0.00039	1		08/10/23 21:12	7440-48-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Plant Bowen PDI July 2023

Pace Project No.: 92679362

Sample: BOW-PDI-WQ-FB-20230725 Lab ID: 92679362005 Collected: 07/25/23 13:30 Received: 07/26/23 11:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS, Dissolved		Analytical Method: EPA 6020B Pace Analytical Services - Peachtree Corners, GA							
Boron, Dissolved	ND	mg/L	0.040	0.0086	1		08/11/23 18:36	7440-42-8	
Cobalt, Dissolved	ND	mg/L	0.0050	0.00039	1		08/10/23 21:29	7440-48-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Plant Bowen PDI July 2023

Pace Project No.: 92679362

QC Batch: 792548

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET Dissolved

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92679362001

METHOD BLANK: 4107228

Matrix: Water

Associated Lab Samples: 92679362001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron, Dissolved	mg/L	ND	0.040	0.0086	08/10/23 20:18	
Cobalt, Dissolved	mg/L	ND	0.0050	0.00039	08/10/23 20:18	

LABORATORY CONTROL SAMPLE: 4107229

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron, Dissolved	mg/L	1	1.1	114	80-120	
Cobalt, Dissolved	mg/L	0.1	0.10	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4107230 4107231

Parameter	Units	92679362001		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.								
Boron, Dissolved	mg/L	21.8	1	23.3	22.5	155	68	75-125	4	20	M1
Cobalt, Dissolved	mg/L	0.035	0.1	0.13	0.13	98	94	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Plant Bowen PDI July 2023

Pace Project No.: 92679362

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Plant Bowen PDI July 2023

Pace Project No.: 92679362

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92679362001	BOW-PDI-01-WG-20230725-38.0	EPA 3005A	792548	EPA 6020B	792727
92679362002	BOW-PDI-03-WG-20230725-32.0	EPA 6020B	792727		
92679362003	BOW-PDI-WG-FD-20230725	EPA 6020B	792727		
92679362004	BOW-PDI-WQ-EB-20230725	EPA 6020B	792727		
92679362005	BOW-PDI-WQ-FB-20230725	EPA 6020B	792727		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

sheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power - Bowen

Project #:

WO#: 92679362



Carrier: Fed Ex UPS USPS Client Other: Pace

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: MTW

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID:

083

Type of Ice:

Wet

Blue

None

Cooler Temp:

3.4

Correction Factor: Add/Subtract (°C)

0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

3.4

SDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A 3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A 4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A 8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 9.
-Includes Date/Time/ID/Analysis Matrix:	<u>WG</u>
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A 10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A 11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

ceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

Bottom half of box is to list number of bottles

*Check all unpreserved Nitrates for chlorine

Project #

WO#: 92679362

PM: BV

Due Date: 08/09/23

CLIENT: 92-GP-BOWLF

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #
BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)						
BP3U-250 mL Plastic Unpreserved (N/A)						
BP2U-500 mL Plastic Unpreserved (N/A)						
BP1U-1 liter Plastic Unpreserved (N/A)						
BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)						
BP3N-250 mL plastic HNO3 (pH < 2)						
BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)						
BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)						
WGFU-Wide-mouthed Glass Jar Unpreserved						
AG1U-1 liter Amber Unpreserved (N/A) (Cl-)						
AG1H-1 liter Amber HCl (pH < 2)						
AG3U-250 mL Amber Unpreserved (N/A) (Cl-)						
AG3S-1 liter Amber H2SO4 (pH < 2)						
AG3S-250 mL Amber H2SO4 (pH < 2)						
DG9A-40 mL Amber NH4Cl (N/A)(Cl-)						
DG9H-40 mL VOA HCl (N/A)						
VG9T-40 mL VOA Na2S2O3 (N/A)						
VG9U-40 mL VOA Unpreserved (N/A)						
DG8V-40 mL VOA H3PO4 (N/A)						
KP7U-50 mL Plastic Unpreserved (N/A)						
V/GK (3 vials per kit)-VPH/Gas kit (N/A)						
SP5T-125 mL Sterile Plastic (N/A - lab)						
SP2T-250 mL Sterile Plastic (N/A - lab)						
BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)						
AGOU-100 mL Amber Unpreserved (N/A) (Cl-)						
VSGU-20 mL Scintillation vials (N/A)						
DG6U-40 mL Amber Unpreserved vials (N/A)						

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers.



October 18, 2023

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1
Pace Project No.: 92690624

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Whitney Law, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Anthony Szwast, Geosyntec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen AP-1

Pace Project No.: 92690624

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen AP-1
Pace Project No.: 92690624

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92690624001	BOW-PT-02	Water	09/27/23 12:15	09/28/23 09:33
92690624002	BOW-AP1-FD-1	Water	09/27/23 00:00	09/28/23 09:33
92690624003	BOW-AP1-FB-1	Water	09/27/23 14:05	09/28/23 09:33
92690624004	BOW-AP1-EB-1	Water	09/27/23 14:10	09/28/23 09:33

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92690624

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92690624001	BOW-PT-02	EPA 6020B	CW1	2
92690624002	BOW-AP1-FD-1	EPA 6020B	CW1	2
92690624003	BOW-AP1-FB-1	EPA 6020B	CW1	2
92690624004	BOW-AP1-EB-1	EPA 6020B	CW1	2

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92690624

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92690624001	BOW-PT-02					
EPA 6020B	Boron	18.1	mg/L	0.20	10/11/23 17:36	
EPA 6020B	Cobalt	0.016J	mg/L	0.050	10/12/23 18:54	D3
92690624002	BOW-AP1-FD-1					
EPA 6020B	Boron	20.2	mg/L	0.40	10/12/23 18:58	
EPA 6020B	Cobalt	0.015J	mg/L	0.050	10/12/23 18:58	D3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92690624

Sample: BOW-PT-02 Lab ID: 92690624001 Collected: 09/27/23 12:15 Received: 09/28/23 09:33 Matrix: Water

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

6020 MET ICPMS

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

Boron	18.1	mg/L	0.20	0.043	5	10/07/23 10:09	10/11/23 17:36	7440-42-8	
Cobalt	0.016J	mg/L	0.050	0.0039	10	10/07/23 10:09	10/12/23 18:54	7440-48-4	D3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92690624

Sample: BOW-AP1-FD-1 Lab ID: 92690624002 Collected: 09/27/23 00:00 Received: 09/28/23 09:33 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Boron	20.2	mg/L	0.40	0.086	10	10/07/23 10:09	10/12/23 18:58	7440-42-8	
Cobalt	0.015J	mg/L	0.050	0.0039	10	10/07/23 10:09	10/12/23 18:58	7440-48-4	D3

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92690624

Sample: BOW-AP1-FB-1 Lab ID: 92690624003 Collected: 09/27/23 14:05 Received: 09/28/23 09:33 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Boron	ND	mg/L	0.040	0.0086	1	10/07/23 10:09	10/12/23 18:14	7440-42-8	
Cobalt	ND	mg/L	0.0050	0.00039	1	10/07/23 10:09	10/12/23 18:14	7440-48-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92690624

Sample: BOW-AP1-EB-1 Lab ID: 92690624004 Collected: 09/27/23 14:10 Received: 09/28/23 09:33 Matrix: Water

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

6020 MET ICPMS

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

Boron	ND	mg/L	0.040	0.0086	1	10/07/23 10:09	10/12/23 18:18	7440-42-8	
Cobalt	ND	mg/L	0.0050	0.00039	1	10/07/23 10:09	10/12/23 18:18	7440-48-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92690624

QC Batch: 804824

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92690624001, 92690624002, 92690624003, 92690624004

METHOD BLANK: 4168094

Matrix: Water

Associated Lab Samples: 92690624001, 92690624002, 92690624003, 92690624004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	0.0086	10/11/23 15:13	
Cobalt	mg/L	ND	0.0050	0.00039	10/11/23 15:13	

LABORATORY CONTROL SAMPLE: 4168095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	1.1	107	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4168098 4168099

Parameter	Units	92690312001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	0.017J	1	1	1.1	1.4	111	137	75-125	21	20	M1,R1
Cobalt	mg/L	ND	0.1	0.1	0.11	0.14	109	137	75-125	23	20	M1,R1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen AP-1

Pace Project No.: 92690624

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1

Pace Project No.: 92690624

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92690624001	BOW-PT-02	EPA 3005A	804824	EPA 6020B	804859
92690624002	BOW-AP1-FD-1	EPA 3005A	804824	EPA 6020B	804859
92690624003	BOW-AP1-FB-1	EPA 3005A	804824	EPA 6020B	804859
92690624004	BOW-AP1-EB-1	EPA 3005A	804824	EPA 6020B	804859

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Project #:

WO#: 92690624



Courier: Fed Ex UPS USPS Client Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-28-23 JCC

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: 730 Type of Ice: Wet Blue None

Cooler Temp: 1.8 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.8

USDA Regulated Soil N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix:	<u>W</u>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

SENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO# : 92690624

PH: BV

Due Date: 10/12/23

Exceptions: VDA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LUH

CLIENT: 92-GP-BOWLF

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG3U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber HF4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	FP7U-50 mL Plastic Unpreserved (N/A)	VJGX (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3B-250 mL Plastic (N/A) (B, B-9, 7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



November 20, 2023

Kristen Jurinko
Southern Co.
241 Ralph McGill Blvd NE
Bin 10160
Atlanta, GA 30308

RE: Project: Bowen AP-1
Pace Project No.: 92696416

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on November 02, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace Analytical Services - Peachtree Corners, GA

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

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Whitney Law, Geosyntec
Laura Midkiff, Southern Co.
Caroline Nelson, Geosyntec
Anthony Szwast, Geosyntec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen AP-1

Pace Project No.: 92696416

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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SAMPLE SUMMARY

Project: Bowen AP-1
Pace Project No.: 92696416

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92696416001	BOW-PT-02	Water	10/31/23 10:52	11/02/23 10:27
92696416002	BOW-AP1-FD-01	Water	10/31/23 00:00	11/02/23 10:27
92696416003	BOW-AP1-FB-01	Water	10/31/23 11:23	11/02/23 10:27
92696416004	BOW-AP1-EB-01	Water	10/31/23 11:22	11/02/23 10:27

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SAMPLE ANALYTE COUNT

Project: Bowen AP-1
Pace Project No.: 92696416

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92696416001	BOW-PT-02	EPA 6020B	CW1	2
92696416002	BOW-AP1-FD-01	EPA 6020B	CW1	2
92696416003	BOW-AP1-FB-01	EPA 6020B	CW1	2
92696416004	BOW-AP1-EB-01	EPA 6020B	CW1	2

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Bowen AP-1

Pace Project No.: 92696416

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92696416001	BOW-PT-02					
EPA 6020B	Boron	18.1	mg/L	0.40	11/14/23 17:39	M1
EPA 6020B	Cobalt	0.020J	mg/L	0.050	11/14/23 17:39	
92696416002	BOW-AP1-FD-01					
EPA 6020B	Boron	20.3	mg/L	0.40	11/16/23 14:48	
EPA 6020B	Cobalt	0.019J	mg/L	0.050	11/16/23 14:48	D3

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92696416

Sample: BOW-PT-02 Lab ID: 92696416001 Collected: 10/31/23 10:52 Received: 11/02/23 10:27 Matrix: Water

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

6020 MET ICPMS

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

Boron	18.1	mg/L	0.40	0.12	10	11/08/23 14:06	11/14/23 17:39	7440-42-8	M1
Cobalt	0.020J	mg/L	0.050	0.0032	10	11/08/23 14:06	11/14/23 17:39	7440-48-4	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92696416

Sample: BOW-AP1-FD-01 Lab ID: 92696416002 Collected: 10/31/23 00:00 Received: 11/02/23 10:27 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Boron	20.3	mg/L	0.40	0.12	10	11/08/23 14:06	11/16/23 14:48	7440-42-8	
Cobalt	0.019J	mg/L	0.050	0.0032	10	11/08/23 14:06	11/16/23 14:48	7440-48-4	D3

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92696416

Sample: BOW-AP1-FB-01 Lab ID: 92696416003 Collected: 10/31/23 11:23 Received: 11/02/23 10:27 Matrix: Water

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

6020 MET ICPMS

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

Boron	ND	mg/L	0.040	0.012	1	11/08/23 14:06	11/14/23 16:45	7440-42-8	
Cobalt	ND	mg/L	0.0050	0.00032	1	11/08/23 14:06	11/14/23 16:45	7440-48-4	

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ANALYTICAL RESULTS

Project: Bowen AP-1

Pace Project No.: 92696416

Sample: BOW-AP1-EB-01 Lab ID: 92696416004 Collected: 10/31/23 11:22 Received: 11/02/23 10:27 Matrix: Water

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

6020 MET ICPMS

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

Boron	ND	mg/L	0.040	0.012	1	11/08/23 14:06	11/14/23 16:49	7440-42-8	
Cobalt	ND	mg/L	0.0050	0.00032	1	11/08/23 14:06	11/14/23 16:49	7440-48-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen AP-1

Pace Project No.: 92696416

QC Batch:	811845	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92696416001, 92696416002, 92696416003, 92696416004		

METHOD BLANK: 4203300 Matrix: Water
 Associated Lab Samples: 92696416001, 92696416002, 92696416003, 92696416004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	ND	0.040	0.012	11/10/23 20:42	
Cobalt	mg/L	ND	0.0050	0.00032	11/14/23 16:36	

LABORATORY CONTROL SAMPLE: 4203301

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	1.0	105	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4203302 4203303

Parameter	Units	92696416001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Boron	mg/L	18.1	1	1	20.7	22.2	254	412	75-125	7	20	M1
Cobalt	mg/L	0.020J	0.1	0.1	0.12	0.11	97	95	75-125	2	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen AP-1

Pace Project No.: 92696416

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

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

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen AP-1

Pace Project No.: 92696416

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92696416001	BOW-PT-02	EPA 3005A	811845	EPA 6020B	811959
92696416002	BOW-AP1-FD-01	EPA 3005A	811845	EPA 6020B	811959
92696416003	BOW-AP1-FB-01	EPA 3005A	811845	EPA 6020B	811959
92696416004	BOW-AP1-EB-01	EPA 3005A	811845	EPA 6020B	811959

REPORT OF LABORATORY ANALYSIS

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Effective Date: 11/14/2022

Laboratory receiving samples:

- Asheville Edan Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: loc Panel Project #: _____

Courier: Fed Ex UPS USPS Client
 Commercial Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer: HR GLN ID: 320 Correction Factor: _____ Type of Ice: Wet Ice None
 N/A

Cooler Temp: 1.8 Correction Factor: 1.8 Temp should be above freezing to 6°C
 Yes No N/A
 Samples out of Temp (temp. sampling on cooling process has begun)

Cooler Temp Corrected (°C): _____
 USDA Regulated Soil? N/A, water sample
 Did samples originate in a quarantine zone within the United States: CA, NY, or SC
 (check maps)? Yes No

Chain of Custody Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient volume?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis Samples Field Filtered?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match CPC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix <u>loc</u>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY _____ Field Data Required? Yes No

CLIENT NOTIFICATION/RESOLUTION

Log ID of split containers _____

Person contacted _____ Date/Time: _____

Project Manager SCUMF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Data Validation Reports

February 2023

Memorandum

Date: June 20, 2023
To: Whitney Law
From: Amani Royce
CC: K. Henderson
Subject: **Stage 2A Data Validation - Level II Data Deliverables – Pace Analytical Services, LLC Project Numbers 92649233, 92649235, and 92667104**

SITE: Plant Bowen Ash Pond

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of forty-two aqueous samples, six field duplicates, five equipment blanks, and ten field blanks collected 24-27 and 30-31 January 2023, 1-2 and 7 February 2023, and 10 May 2023, as part of the Plant Bowen Ash Pond on-site sampling event.

The samples were analyzed at Pace Analytical Services, LLC, Peachtree Corners, Georgia, for the following analytical tests:

- Metals by United States (US) Environmental Protection Agency (EPA) Methods 3010A/6010D
- Metals by US EPA Methods 3005A/6020B
- Mercury by US EPA Method 7470A
- Total Dissolved Solids (TDS) by Standard Method 2540C

The samples were analyzed at Pace Analytical Services, LLC, Asheville, North Carolina, for the following analytical tests:

- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0
- Alkalinity by Standard Method 2320B

The samples were analyzed at Pace Analytical Services, LLC, Greensburg, Pennsylvania, for the following analytical tests:

- Radium-226 by US EPA Method 9315

- Radium-228 by US EPA Method 9320
- Total Radium by Calculation

EXECUTIVE SUMMARY

Based on the Stage 2A data validation covering the quality control (QC) parameters listed below and the information provided, the data as qualified are usable for supporting project objectives, with the following exceptions.

Since samples BOW-BGWC-30, BOW-BGWC-36D, BOW-BGWC-41D, BOW-BGWC-49D, BOW-API-EB-02, and BOW-API-FB-07 were prepared and analyzed outside of the method specified holding times for mercury, the non-detect mercury results were R qualified as rejected.

Since samples BOW-BGWC-12 and BOW-BGWC-14A were analyzed outside of the method specified holding times for alkalinity, the non-detect alkalinity, carbonate (CaCO₃) results in samples BOW-BGWC-12 and BOW-BGWC-14A were R qualified as rejected.

Rejected data should not be used and qualified data that was not rejected should be used within the limitation of the qualification. If there are results with two or more different qualifications due to multiple QC failures, the final qualification is reconciled in the electronic data deliverable (EDD) with qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory report, professional and technical judgment, and the following documents:

- United States (US) EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, January 2017 (EPA 540-R-2017-001); and
- American National Standard, Verification and Validation of Radiological Data for use in Waste Management and Environmental Remediation, February 15, 2012 (ANSI/ANS-41.5-2012).

The following samples were analyzed and reported in the laboratory reports:

Laboratory ID	Client ID
92649235001	BOW-BGWA-2
92649235002	BOW-BGWA-29
92649235003	BOW-BGWA-47D
92649235004	BOW-BGWA-48D
92649235005	BOW-BGWC-7
92649235006	BOW-BGWC-8
92649235007	BOW-BGWC-9
92649235008	BOW-BGWC-12

Laboratory ID	Client ID
92649235009	BOW-BGWC-14A
92649235010	BOW-BGWC-16
92649235011	BOW-BGWC-17
92649235012	BOW-BGWC-18
92649235013	BOW-BGWA-6
92649235014	BOW-BGWC-44D
92649235015	BOW-API-FD-02
92649235016	BOW-API-FD-01

Plant Bowen Ash Pond Data Validation

20 June 2023

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Laboratory ID	Client ID
92649235017	BOW-BGWC-50D
92649235018	BOW-API-FB-02
92649235019	BOW-API-FB-01
92649235020	BOW-API-FB-03
92649235021	BOW-BGWC-10
92649235022	BOW-BGWC-19
92649235023	BOW-BGWC-21
92649235024	BOW-BGWC-25
92649235025	BOW-BGWC-31
92649235026	BOW-API-FB-04
92649235027	BOW-BGWC-20
92649235028	BOW-BGWC-34D
92649235029	BOW-BGWC-35D
92649235030	BOW-BGWC-37D
92649235031	BOW-BGWC-42D
92649235032	BOW-API-FD-03
92649235033	BOW-API-FB-05
92649235034	BOW-BGWC-32
92649235035	BOW-BGWC-40
92649235036	BOW-BGWC-51
92649235037	BOW-BGWC-52
92649235038	BOW-API-EB-01
92649235039	BOW-API-FB-06
92649235040	BOW-BGWC-24
92649235041	BOW-BGWC-30
92649235042	BOW-BGWC-36D
92649235043	BOW-BGWC-41D
92649235044	BOW-BGWC-49D
92649235045	BOW-API-FD-04
92649235046	BOW-API-EB-02
92649235047	BOW-API-FB-07
92649235048	BOW-BGWA-33
92649235049	BOW-BGWC-23
92649235050	BOW-BGWC-39
92649235051	BOW-PZ-7
92649235052	BOW-API-EB-03
92649235053	BOW-API-FB-08
92649235054	BOW-BGWC-22
92649235055	BOW-BGWC-38D
92649235056	BOW-BGWC-43D
92649235057	BOW-API-FD-05
92649235058	BOW-API-EB-04
92649235059	BOW-API-FB-9
92649233001	BOW-BGWA-2
92649233002	BOW-BGWA-29

Laboratory ID	Client ID
92649233003	BOW-BGWA-47D
92649233004	BOW-BGWA-48D
92649233005	BOW-BGWC-7
92649233006	BOW-BGWC-8
92649233007	BOW-BGWC-17
92649233008	BOW-BGWC-18
92649233009	BOW-BGWA-6
92649233010	BOW-BGWC-44D
92649233011	BOW-API-FD-02
92649233012	BOW-API-FD-01
92649233013	BOW-BGWC-50D
92649233014	BOW-API-FB-02
92649233015	BOW-API-FB-01
92649233016	BOW-API-FB-03
92649233017	BOW-BGWC-9
92649233018	BOW-BGWC-12
92649233019	BOW-BGWC-14A
92649233020	BOW-BGWC-16
92649233021	BOW-BGWC-10
92649233022	BOW-BGWC-19
92649233023	BOW-BGWC-21
92649233024	BOW-BGWC-25
92649233025	BOW-BGWC-31
92649233026	BOW-API-FB-04
92649233027	BOW-BGWC-20
92649233028	BOW-BGWC-34D
92649233029	BOW-BGWC-35D
92649233030	BOW-BGWC-37D
92649233031	BOW-BGWC-42D
92649233032	BOW-API-FD-03
92649233033	BOW-API-FB-05
92649233034	BOW-BGWC-32
92649233035	BOW-BGWC-40
92649233036	BOW-BGWC-51
92649233037	BOW-BGWC-52
92649233038	BOW-API-EB-01
92649233039	BOW-API-FB-06
92649233040	BOW-BGWC-24
92649233041	BOW-BGWC-30
92649233042	BOW-BGWC-36D
92649233043	BOW-BGWC-41D
92649233044	BOW-BGWC-49D
92649233045	BOW-API-FD-04
92649233046	BOW-API-EB-02
92649233047	BOW-API-FB-07

Laboratory ID	Client ID
92649233048	BOW-BGWA-33
92649233049	BOW-BGWC-23
92649233050	BOW-BGWC-39
92649233051	BOW-PZ-7
92649233052	BOW-AP1-EB-03
92649233053	BOW-AP1-FB-08
92649233054	BOW-BGWC-22
92649233055	BOW-BGWC-38D

Laboratory ID	Client ID
92649233056	BOW-BGWC-43D
92649233057	BOW-AP1-FD-05
92649233058	BOW-AP1-EB-04
92649233059	BOW-AP1-FB-9
92667104001	BOW-BGWC-23
92667104002	BOW-AP1-FD-03
92667104003	BOW-AP1-FB-03
92667104004	BOW-AP1-EB-01

The samples were received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

Collection times were not listed on the chain of custody (COC) form for the field duplicates. The field duplicates were logged in with the collection time of 00:00.

Incorrect error corrections were observed on the COC, instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections.

1.0 METALS

The samples were analyzed for metals by US EPA methods 3010A/6010D and 3005A/6020B. (Mercury was evaluated separately in Section 2.0, below).

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ⊗ Overall Assessment
- ✓ Holding Time
- ⊗ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ⊗ Field Blank
- ✓ Equipment Blank
- ⊗ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The metals data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

The beryllium and chromium recoveries in the continuing calibration verification (CCV) associated with the sample BOW-BGWC-18 were low and outside the laboratory specified acceptance criteria. Therefore, the estimated beryllium concentration in sample BOW-BGWC-18 was J qualified as estimated, and the non-detect chromium result was UJ qualified as estimated less than the method detection limit (MDL).

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
BOW-BGWC-18	Beryllium	0.00010	J CL	0.00010	J	9
BOW-BGWC-18	Chromium	0.0011	U CL	0.0011	UJ	9

mg/L-milligrams per liter

CL- Laboratory flag indicating the CCV was low and outside the laboratory specified acceptance criteria.

J - The result is less than the RL, but greater than or equal to the MDL, and the concentration is an approximate value.

U- The analyte was analyzed for but was not detected at or above the reported sample quantitation limit.

* Validation qualifiers are defined in Attachment 1 at the end of this report.

**Reason codes are defined in Attachment 2 at the end of this report.

1.2 Holding Time

The holding time for the metals analysis of a preserved water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Ten method blanks were reported (batches 752954, 757480, 757680, 757805, 753120, 753122, 758264, 758321, 758324, and 774314) with the sample set. Metals were not detected in the method blanks above the MDLs, with the following exceptions.

92649235: Chromium was detected at estimated concentrations greater than the MDLs and less than the reporting limits (RLs) in the method blanks in batches 758321 and 758324. Therefore, the estimated chromium concentrations in samples BOW-BGWC-40 and BOW-BGWC-52 were U

qualified as not detected at the RL. Since chromium was not detected in the remaining associated samples, no additional qualifications were applied to the data.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-40	Chromium	0.0050	J B	0.0050	U	3
BOW-BGWC-52	Chromium	0.0016	J B	0.0050	U	3

mg/L-milligrams per liter

B- Laboratory flag indicating the analyte was detected in the associated method blank.

J - The result is less than the RL, but greater than or equal to the MDL, and the concentration is an approximate value.

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Nine sample set specific MS/MSD pairs were reported, using samples BOW-BGWA-29, BOW-BGWC-10, BOW-BGWC-30, BOW-API-FB-08, BOW-BGWC-18, BOW-API-FD-01, BOW-API-FD-03, BOW-API-EB-03, and BOW-BGWC-23. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

92649235: The recoveries of calcium and magnesium in the MD/MSD pair using samples BOW-BGWA-29 were high and the recoveries of calcium and magnesium in the MS/MSD pair using sample BOW-BGWC-30 were low and outside of the laboratory specified acceptance criteria. Since the calcium and magnesium concentrations in samples BOW-BGWA-29 and BOW-BGWC-30 were greater than four times the spike concentration, no qualifications were applied to the data.

92649235: The recoveries of calcium, sodium, and magnesium in the MS/MSD pair using sample BOW-BGWC-10 were low and outside of the laboratory specified acceptance criteria. Since the calcium, sodium, and magnesium concentrations in sample BOW-BGWC-10 were greater than four times the spike concentration, no qualifications were applied to the data.

92649235: The MS recovery and MS/MSD RPD of calcium in the MS/MSD pair using sample BOW-API-FB-08 were high and outside of the laboratory specified acceptance criteria. Since calcium was not detected in the sample, no qualifications were applied to the data.

One batch MS/MSD pair was reported for metals by US EPA method 6020B. Since this was a batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Ten LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Field Blank

Ten field blanks BOW-API-FB-01, BOW-API-FB-02, BOW-API-FB-03, BOW-API-FB-04, BOW-API-FB-05, BOW-API-FB-06, BOW-API-FB-07, BOW-API-FB-08, and BOW-API-FB-9 were collected with the sample set. Two field blanks were identified as BOW-API-FB-03. Metals were not detected in the field blanks above the MDLs, with the following exceptions.

92649235: Iron was detected in field blank BOW-API-FB-03 at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated iron concentrations in samples BOW-BGWC-12 and BOW-BGWC-17 were U qualified as not detected at the RLs. Since iron was not detected or detected above the RLs in the remaining associated samples, no additional qualifications were applied to the data.

92649235: Iron, antimony, and boron were detected in field blank BOW-API-FB-05 at estimated concentrations greater than the MDLs and less than the RLs. Since iron, antimony, and boron were not detected or detected greater than the RLs in the associated sample, no qualification was applied to the data.

92649235: Boron was detected in field blank BOW-API-FB-9 at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated boron concentration in equipment blank BOW-API-EB-04 was U qualified as not detected at the RL. Since boron was detected above the RLs in the remaining associated samples, no additional qualifications were applied to the data.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-12	Iron	0.026	J	0.040	U	3
BOW-BGWC-17	Iron	0.030	J	0.040	U	3
BOW-API-EB-04	Boron	0.036	J	0.040	U	3

mg/L-milligrams per liter

J- The result is less than the RL, but greater than or equal to the MDL, and the concentration is an approximate value.

1.7 Equipment Blank

Five equipment blanks BOW-API-EB-01, BOW-API-EB-02, BOW-API-EB-03, and BOW-API-EB-04 were collected with the sample set. Two equipment blanks were identified as BOW-

AP1-EB-01. Metals were not detected in the equipment blanks above the MDLs, with the following exceptions.

92649235: Boron was detected in BOW-AP1-EB-04 at an estimated concentration greater than the MDL and less than the RL. Since boron was U qualified as not detected at the RL in the equipment blank due to field blank contamination, no qualifications were applied to the data.

1.8 Field Duplicate

Six field duplicates BOW-AP1-FD-01, BOW-AP1-FD-02, BOW-AP1-FD-03, BOW-AP1-FD-04, and BOW-AP1-FD-05, were collected with the sample set. Two field duplicate samples were identified as BOW-AP1-FD-03. Acceptable precision ($RPD \leq 20\%$ or difference $< RL$) was demonstrated between the field duplicates and the original samples BOW-BGWA-48D, BOW-BGWC-17, BOW-BGWC-37D (BOW-AP1-FD-03), BOW-BGWC-24, BOW-BGWC-43D, and BOW-BGWC-23 (BOW-AP1-FD-03), respectively, with the following exceptions.

92649235: The RPD of potassium and sodium in field duplicate pair BOW-BGWA-48D/ BOW-AP1-FD-01 were greater than 20%. Therefore, the potassium and sodium concentrations in samples BOW-BGWA-48D and BOW-AP1-FD-01 were J qualified as estimated.

92649235: Iron was detected at an estimated concentration greater than the MDL and less than the RL in sample BOW-BGWC-17, and iron was not detected in field duplicate BOW-AP1-FD-02, resulting in a noncalculable RPD. Since the iron concentration in sample BOW-BGWC-17 was U qualified as not detected at the RL due to field blank contamination, no additional qualifications were applied to the data.

92649235: Beryllium and thallium were detected at estimated concentrations greater than the MDLs and less than the RLs in field duplicate BOW-AP1-FD-03 and were not detected in sample BOW-BGWC-37D, resulting in noncalculable RPDs. Therefore, the estimated beryllium and thallium concentrations in field duplicate BOW-AP1-FD-03 were J qualified as estimated, and the non-detect beryllium and thallium results in sample BOW-BGWC-37D were UJ qualified as estimated less than the MDLs.

92649235: Arsenic was detected at an estimated concentration greater than the MDL and less than the RL in sample BOW-BGWC-24 and was detected greater than the RL in field duplicate BOW-AP1-FD-04, resulting in a noncalculable RPD. Therefore, the arsenic concentrations in samples BOW-BGWC-24 and BOW-AP1-FD-04 were J qualified as estimated.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-AP1-FD-01	Potassium	1.0	NA	26	1.0	J	7

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWA-48D	Potassium	1.3	NA		1.3	J	7
BOW-API-FD-01	Sodium	44.1	NA	21%	44.1	J	7
BOW-BGWA-48D	Sodium	54.2	NA		54.2	J	7
BOW-API-FD-03	Beryllium	0.00006	J	NC	0.00006	J	7
BOW-BGWC-37D	Beryllium	0.000054	U		0.000054	UJ	7
BOW-API-FD-03	Thallium	0.00023	J	NC	0.00023	J	7
BOW-BGWC-37D	Thallium	0.00018	U		0.00018	UJ	7
BOW-API-FD-04	Arsenic	0.0054	NA	NC	0.0054	J	7
BOW-BGWC-24	Arsenic	0.0042	J		0.0042	J	7

mg/L-milligrams per liter

J - The result is less than the RL, but greater than or equal to the MDL, and the concentration is an approximate value.

U- The analyte was analyzed for but was not detected at or above the reported sample quantitation limit.

NA- Not Applicable

NC- Not Calculable

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were not reported.

1.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The samples were analyzed for mercury by US EPA method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ⊗ Overall Assessment
- ⊗ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate

- ✓ Laboratory Control Sample
- ⊗ Field Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

2.1 Overall Assessment

The mercury data reported in this data set are considered usable for supporting project objectives, with the following exceptions.

Since samples BOW-BGWC-30, BOW-BGWC-36D, BOW-BGWC-41D, BOW-BGWC-49D, BOW-API-EB-02, and BOW-API-FB-07 were prepared and analyzed outside of the method specified holding times for mercury, the non-detect mercury results were R qualified as rejected.

The analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 86%.

2.2 Holding Time

The holding time for the mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses, with the following exceptions.

Samples BOW-BGWC-30, BOW-BGWC-36D, BOW-BGWC-41D, BOW-BGWC-49D, BOW-API-FD-04, BOW-API-EB-02, and BOW-API-FB-07 were prepared and analyzed outside the method specified holding time. Therefore, the non-detect mercury results in samples BOW-BGWC-30, BOW-BGWC-36D, BOW-BGWC-41D, BOW-BGWC-49D, BOW-API-EB-02, and BOW-API-FB-07 were R qualified as rejected and the mercury concentration in sample BOW-API-FD-04 was J qualified as estimated.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-30	Mercury	0.00013	U H2 H1	0.00013	R	2
BOW-BGWC-36D	Mercury	0.00013	U H2 H1	0.00013	R	2
BOW-BGWC-41D	Mercury	0.00013	U H2 H1	0.00013	R	2
BOW-BGWC-49D	Mercury	0.00013	U H2 H1	0.00013	R	2
BOW-API-FD-04	Mercury	0.00053	H2 H1	0.00053	J	2
BOW-API-EB-02	Mercury	0.00013	U H2 H1	0.00013	R	2

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-AP1-FB-07	Mercury	0.00013	U H2 H1	0.00013	R	2

mg/L- milligrams per liter

H1- Laboratory flag indicating analysis conducted outside the method specified holding time.

H2- Laboratory flag indicating extraction or preparation conducted outside the method specified holding time.

U- The analyte was analyzed for but was not detected at or above the reported sample quantitation limit.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four method blanks were reported with the data set (batches 756331, 756332, 758957, and 758958). Mercury was not detected in the method blanks above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four sample set specific MS/MSD pairs were reported using samples BOW-BGWA-2, BOW-BGWC-10, BOW-BGWC-30, and BOW-BGWC-23. The recovery and RPD results were within the laboratory specified acceptance criteria.

2.5 Laboratory Control Sample

LCSs were analyzed at the frequency for the number and types of samples analyzed (one per batch of 20 samples). Four LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

2.6 Field Blank

Nine field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03, BOW-AP1-FB-04, BOW-AP1-FB-05, BOW-AP1-FB-06, BOW-AP1-FB-07, BOW-AP1-FB-08, and BOW-AP1-FB-9 were collected with the sample set. Mercury was not detected in the field blanks above the MDL, with the following exception.

92649235: Mercury was detected in field blank BOW-AP1-FB-04 at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated mercury concentrations in samples BOW-BGWC-10, BOW-BGWC-19, BOW-BGWC-25, and BOW-BGWC-31 were U qualified as not detected at the RL. Since mercury was detected above the RL in sample BOW-BGWC-21, no qualifications were applied to the data.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-10	Mercury	0.00018	J	0.00020	U	3
BOW-BGWC-19	Mercury	0.00018	J	0.00020	U	3
BOW-BGWC-25	Mercury	0.00015	J	0.00020	U	3
BOW-BGWC-31	Mercury	0.00014	J	0.00020	U	3

mg/L-milligrams per liter

J - The result is less than the RL, but greater than or equal to the MDL, and the concentration is an approximate value.

2.7 Equipment Blank

Four equipment blanks BOW-AP1-EB-01, BOW-AP1-EB-02, BOW-AP1-EB-03, and BOW-AP1-EB-04 were collected with the sample set. Mercury was not detected in the equipment blanks above the MDL.

2.8 Field Duplicate

Five field duplicates BOW-AP1-FD-01, BOW-AP1-FD-02, BOW-AP1-FD-03, BOW-AP1-FD-04, and BOW-AP1-FD-05, were collected with the sample set. Acceptable precision ($RPD \leq 20\%$ or difference $< RL$) was demonstrated between the field duplicates and the original samples BOW-BGWA-48D, BOW-BGWC-17, BOW-BGWC-37D, BOW-BGWC-24, and BOW-BGWC-43D, respectively.

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for TDS by Standard Method 2540C, alkalinity by Standard Method 2320B, and anions (chloride, fluoride, and sulfate) by US EPA method 300.0.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues

were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ⊗ Overall Assessment
- ⊗ Holding Times
- ✓ Method Blank
- ⊗ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ⊗ Laboratory Duplicate
- ⊗ Field Blank
- ⊗ Equipment Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

3.1 Overall Assessment

The wet chemistry data reported in this data set are considered usable for supporting project objectives, with the following exceptions.

Since samples BOW-BGWC-12 and BOW-BGWC-14A were analyzed outside of the method specified holding times for alkalinity, the non-detect alkalinity, carbonate (CaCO₃) results in samples BOW-BGWC-12 and BOW-BGWC-14A were R qualified as rejected.

The analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for these analyses, for this data set is 99%.

The sample residue exceeded the method specified limits for TDS in sample BOW-BGWC-23. Therefore, the TDS concentration in sample BOW-BGWC-23 was J qualified as estimated.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-23	TDS	2680	NA	2680	J	13

mg/L-milligrams per liter

NA- Not Applicable

3.2 Holding Times

The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding time for the anions (chloride, fluoride, and sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding time for the alkalinity analysis of a

water sample is 14 days from sample collection to analysis. The holding times were met for the sample analyses, with the following exceptions.

Samples BOW-BGWC-12 and BOW-BGWC-14A were analyzed outside of the method specified holding time for alkalinity. Therefore, the non-detect alkalinity, carbonate (CaCO₃) results in samples BOW-BGWC-12 and BOW-BGWC-14A were R qualified as rejected and the alkalinity, bicarbonate (CaCO₃) and alkalinity, total as CaCO₃ concentrations in samples BOW-BGWC-12 and BOW-BGWC-14A were J qualified as estimated.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-12	Alkalinity, Bicarbonate (CaCO ₃)	318	H1	318	J	2
BOW-BGWC-12	Alkalinity, Carbonate (CaCO ₃)	5.0	U H1	5.0	R	2
BOW-BGWC-12	Alkalinity, Total as CaCO ₃	318	H1	318	J	2
BOW-BGWC-14A	Alkalinity, Bicarbonate (CaCO ₃)	243	H1	243	J	2
BOW-BGWC-14A	Alkalinity, Carbonate (CaCO ₃)	5.0	U H1	5.0	R	2
BOW-BGWC-14A	Alkalinity, Total as CaCO ₃	243	H1	243	J	2

mg/L- milligrams per liter

H1- Laboratory flag indicating analysis conducted outside the method specified holding time.

U- The analyte was analyzed for but was not detected at or above the reported sample quantitation limit.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Eight method blanks were reported for TDS (batches 752586, 752849, 753439, 753440, 753781, 754576, 754074, and 755437). Twelve method blanks were reported for alkalinity (batches 752818, 753106, 752821, 757176, 753731, 753922, 753923, 754305, 755290, 754978, 755965, and 755971). Eight method blanks were reported for anions (batches 752806, 752813, 753396, 753659, 753994, 754806, 755677, and 755682). The wet chemistry parameters were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples).

Four sample set specific MS/MSD pairs were reported for alkalinity using BOW-BGWC-40, BOW-BGWC-51, BOW-API-FD-05, and BOW-API-EB-04. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

92649235: The recoveries of total alkalinity as CaCO₃ in the MS and/or MSD using samples BOW-BGWC-40, BOW-BGWC-51, and BOW-API-FD-05 were high and outside of the laboratory specified acceptance criteria. Therefore, the total alkalinity and bicarbonate alkalinity as CaCO₃ concentrations in samples BOW-BGWC-40, BOW-BGWC-51, and BOW-API-FD-05 were J qualified as estimated.

Six sample set specific MS/MSD pairs were reported for anions using samples BOW-BGWC-12, BOW-API-FB-02, BOW-BGWC-20, BOW-API-EB-01, BOW-API-EB-02, and BOW-BGWC-38D. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exception.

92649235: The recoveries of fluoride in the MS/MSD pair using sample BOW-BGWC-38D were high and outside the laboratory specified acceptance criteria. Therefore, the fluoride concentration in sample BOW-BGWC-38D was J qualified as estimated.

Batch MS/MSD pairs were also reported for alkalinity and the anions. Since these were batch QC there was no impact on the data and qualifications were not applied.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-40	Alkalinity, Total as CaCO ₃	214	M1	214	J	4
BOW-BGWC-51	Alkalinity, Total as CaCO ₃	160	M1	160	J	4
BOW-API-FD-05	Alkalinity, Total as CaCO ₃	149	M1	149	J	4
BOW-BGWC-40	Alkalinity, Bicarbonate (CaCO ₃)	214	M1	214	J	4
BOW-BGWC-51	Alkalinity, Bicarbonate (CaCO ₃)	160	M1	160	J	4
BOW-API-FD-05	Alkalinity, Bicarbonate (CaCO ₃)	149	M1	149	J	4
BOW-BGWC-38D	Fluoride	0.11	M1	0.11	J	4

mg/L-milligrams per liter

M1- Laboratory flag indicating the matrix spike recovery exceeded laboratory specified acceptance criteria.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Eight LCSs were reported for TDS, twenty-four LCSs were reported for

alkalinity, and eight LCSs were reported for anions. The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Eight sample set specific laboratory duplicates were reported using samples BOW-BGWA-2, BOW-AP1-FB-02, BOW-BGWC-17, BOW-BGWC-31, BOW-BGWC-20, BOW-BGWC-24, BOW-AP1-FD-04, and BOW-BGWC-49D. The RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

92649235: The RPD results of the laboratory duplicate pair using samples BOW-BGWC-49D and BOW-BGWC-24 were high and outside the laboratory specified acceptance criteria. Therefore, the TDS concentration in samples BOW-BGWC-49D was J qualified as estimated. Since the RPD result using sample BOW-BGWC-24 was within the data validation specified acceptance criteria, based on professional and technical judgement, no qualifications were applied to the data.

Eight batch laboratory duplicates were also reported for TDS. Since these were batch QC there was no impact on these data and qualifications were not applied.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-49D	TDS	1820	D6	1820	J	12

mg/L-milligrams per liter

D6- Laboratory flag indicating the precision between the sample and laboratory duplicate exceeded the laboratory specified acceptance criteria.

3.7 Field Blank

Nine field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03, BOW-AP1-FB-04, BOW-AP1-FB-05, BOW-AP1-FB-06, BOW-AP1-FB-07, BOW-AP1-FB-08, and BOW-AP1-FB-9 were collected with the sample set. The wet chemistry parameters were not detected in the field blanks above the MDLs, with the following exceptions.

92649235: TDS was detected in field blanks BOW-AP1-FB-01 and BOW-AP1-FB-04 at concentrations greater than the RLs. Therefore, the TDS concentrations in samples BOW-BGWA-2, BOW-BGWA-47D, BOW-AP1-FD-01, BOW-BGWA-48D, BOW-BGWC-10, BOW-BGWC-19, BOW-BGWC-21, BOW-BGWC-25, and BOW-BGWC-31 were J+ qualified as estimated with high biases and the TDS concentration in sample BOW-BGWA-29 was U qualified as not detected at the sample concentration.

92649235: TDS was detected in field blank BOW-AP1-FB-09 at a concentration greater than the RL. Therefore, the TDS concentrations in samples BOW-BGWC-38D, BOW-AP1-FD-05, and

BOW-BGWC-43D were J+ qualified as estimated with high biases and the TDS concentration in equipment blank BOW-API-EB-04 was U qualified as not detected at the sample concentration. Since the TDS concentration in sample BOW-BGWC-22 was greater than 10x the field blank contamination, no qualifications were applied to the data.

92649235: TDS was detected in field blank BOW-API-FB-07 at a concentration greater than the RL. Therefore, the TDS concentration in equipment blank BOW-API-EB-02 was U qualified as not detected at the sample concentration. Since the TDS concentrations in the remaining associated samples were greater than 10x the field blank contamination, no qualifications were applied to the data.

92649235: TDS was detected in field blanks BOW-API-FB-05 and BOW-API-FB-08 at concentrations greater than the RLs. Since TDS was not detected or detected at concentrations greater than 10x the field blank contamination, no qualifications were applied to the data.

92649235: Sulfate was detected in field blank BOW-API-FB-02 at an estimated concentration greater than the MDL and less than the RL. Since sulfate was detected in the associated samples at concentrations greater the RLs, no qualifications were applied to the data.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWA-2	TDS	223	NA	223	J+	3
BOW-BGWA-29	TDS	129	NA	129	U	3
BOW-BGWA-47D	TDS	391	NA	391	J+	3
BOW-API-FD-01	TDS	262	NA	262	J+	3
BOW-BGWA-48D	TDS	280	NA	280	J+	3
BOW-BGWC-10	TDS	380	NA	380	J+	3
BOW-BGWC-19	TDS	200	NA	200	J+	3
BOW-BGWC-21	TDS	342	NA	342	J+	3
BOW-BGWC-25	TDS	310	NA	310	J+	3
BOW-BGWC-31	TDS	433	NA	433	J+	3
BOW-API-EB-02	TDS	29	NA	29	U	3
BOW-BGWC-38D	TDS	348	NA	348	J+	3
BOW-API-FD-05	TDS	897	NA	897	J+	3
BOW-BGWC-43D	TDS	992	NA	992	J+	3
BOW-API-EB-04	TDS	59	NA	59	U	3

mg/L-milligrams per liter

NA- Not Applicable

3.8 Equipment Blank

Four equipment blanks BOW-AP1-EB-01, BOW-AP1-EB-02, BOW-AP1-EB-03, and BOW-AP1-EB-04 were collected with the sample set. The wet chemistry parameters were not detected in the equipment blanks above the MDLs, with the following exceptions.

92649235: TDS was detected in equipment blank BOW-AP1-EB-01 at a concentration greater than the RL. Therefore, the TDS concentration in sample BOW-BGWC-52 was J+ qualified estimated with a high bias. Since the TDS concentrations in the remaining associated samples were greater than 10x the equipment blank contamination, no additional qualifications were applied to the data.

92649235: TDS was detected in equipment blanks BOW-AP1-EB-02 and BOW-AP1-EB-04 at concentrations greater than the RLs. Since TDS was U qualified as not detected at the sample concentrations due to field blank contamination in equipment blanks BOW-AP1-EB-02 and BOW-AP1-EB-04, no additional qualifications were applied to the data.

Sample ID	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-52	TDS	286	NA	286	J+	3

mg/L-milligrams per liter

NA- Not Applicable

3.9 Field Duplicate

Five field duplicates BOW-AP1-FD-01, BOW-AP1-FD-02, BOW-AP1-FD-03, BOW-AP1-FD-04, and BOW-AP1-FD-05, were collected with the sample set. Acceptable precision (RPD \leq 20% or difference $<$ RL) was demonstrated between the field duplicates and the original samples BOW-BGWA-48D, BOW-BGWC-17, BOW-BGWC-37D, BOW-BGWC-24, and BOW-BGWC-43D, respectively.

3.10 Sensitivity

The samples were reported to the MDLs for anions and to the RLs for alkalinity and TDS. Elevated non-detect results were not reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

4.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and total radium by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Tracers and Carriers
- ✓ Field Blank
- ✓ Equipment Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

4.1 Overall Assessment

The radium-226 and radium-228 data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

4.2 Holding Times

The holding times for the radium-226 and radium-228 analyses of a water sample are 180 days from sample collection to analysis. The holding times were met for the sample analyses.

4.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six method blanks were reported for the radium-228 data (batches 564421, 565148, 565150, 566526, 565967, and 567129). Six method blanks were reported for the radium-226 data (batches 564420, 565147, 565151, 566525, 565966, and 567128).

Radium-226 and radium-228 were not detected in the method blanks above the minimum detectable concentrations (MDCs), with the following exception.

92649233: Radium-226 (0.221 pCi/L) was detected at a concentration at the MDC in the method blank in batch 565966. Since radium-226 was not detected greater than the MDC in the associated samples, no qualifications were applied to the data.

4.4 Matrix Spike/Matrix Spike Duplicate

MS/MSD pairs were not reported with data.

4.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Six LCS/LCS duplicate (LCSD) pairs were reported for radium-226, and six LCS/LCSD pairs were reported for radium-228. The recovery and replicate error ratio (RER) [2 sigma (2σ)] results were within the laboratory specified acceptance criteria.

4.6 Laboratory Duplicate

Two sample set specific laboratory duplicates were reported for radium-226 using samples BOW-BGWA-2 and BOW-BGWC-10. The RER results were within the laboratory specified acceptance criteria.

Four batch laboratory duplicates were also reported for radium-226. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

4.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses and a tracer was reported for the radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

4.8 Field Blank

Nine field blanks BOW-AP1-FB-01, BOW-AP1-FB-02, BOW-AP1-FB-03, BOW-AP1-FB-04, BOW-AP1-FB-05, BOW-AP1-FB-06, BOW-AP1-FB-07, BOW-AP1-FB-08, and BOW-AP1-FB-9 were collected with the sample set and analyzed for radium-226 and radium-228. Radium-226 and radium-228 were not detected in the field blanks above the MDCs.

4.9 Equipment Blank

Four equipment blanks BOW-AP1-EB-01, BOW-AP1-EB-02, BOW-AP1-EB-03, and BOW-AP1-EB-04 were collected with the sample set and analyzed for radiochemistry. Radium-226 and Radium-228 were not detected in the equipment blanks above the MDCs.

4.10 Field Duplicate

Five field duplicates BOW-AP1-FD-01, BOW-AP1-FD-02, BOW-AP1-FD-03, BOW-AP1-FD-04, and BOW-AP1-FD-05 were collected with the sample set and analyzed for radiochemistry. Acceptable precision (RER (2σ) < 3) was demonstrated between the field duplicates and the original samples BOW-BGWA-48D, BOW-BGWC-17, BOW-BGWC-37D, BOW-BGWC-24, and BOW-BGWC-43D, respectively.

4.11 Sensitivity

The samples were reported to the MDCs. No elevated non-detect results were reported.

4.12 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

- U The analyte was analyzed for, but was not detected at or above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result”.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
- UJ The analyte was not detected at or above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec's Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
NV	Data was not validated

RPD-Relative Percent Difference

August 2023

Memorandum

Date: 10 January 2023
To: Anthony Szwast
From: Derek Yeadon
CC: Kristoffer Henderson
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92683381**

SITE: Plant Bowen AP-1

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of forty aqueous samples, four field duplicates, nine field blanks and four equipment blanks, collected 15-18 and 21-25 August 2023, as part of the Plant Bowen AP on-site sampling event.

The samples were analyzed at Pace Analytical Services Atlanta, Peachtree Corners, Georgia, for the following analytical tests:

- Calcium by United States Environmental Protection Agency (USEPA) Methods 3010A/6010D
- Metals by USEPA Methods 3005A/6020B
- Mercury by USEPA Method 7470A
- Total Dissolved Solids (TDS) by Standard Method 2540C

The samples were analyzed at Pace Analytical Services Asheville, North Carolina, for the following analytical test:

- Anions (Chloride, Fluoride and Sulfate) by USEPA Method 300.0

EXECUTIVE SUMMARY

Overall, based on this Stage 2A data validation covering the quality control (QC) parameters listed below and based on the information provided, the data as qualified are usable for supporting project objectives. The qualified data should be used within the limitations of the qualifications.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and
- American National Standard, Verification and Validation of Radiological Data for use in Waste Management and Environmental Remediation, February 15, 2012 (ANSI/ANS-41.5-2012).

The following samples were analyzed and reported in the laboratory reports:

Laboratory ID	Client ID
92683381001	BOW-BGWA-29
92683381002	BOW-BGWA-48D
92683381003	BOW-BGWC-8
92683381004	BOW-BGWC-12
92683381005	BOW-BGWC-14A
92683381006	BOW-BGWA-47D
92683381007	BOW-BGWA-6
92683381008	BOW-BGWC-44D
92683381009	BOW-AP1-FB-13
92683381010	BOW-BGWC-50D
92683381011	BOW-AP1-FD-08
92683381012	BOW-AP1-FB-12
92683381013	BOW-BGWC-7
92683381014	BOW-BGWC-9
92683381015	BOW-BGWC-10
92683381016	BOW-BGWC-16
92683381017	BOW-BGWC-17
92683381018	BOW-BGWC-18
92683381019	BOW-BGWC-25
92683381020	BOW-AP1-FD-09
92683381021	BOW-AP1-FB-14
92683381022	BOW-BGWC-19
92683381023	BOW-BGWC-20
92683381024	BOW-BGWC-31
92683381025	BOW-BGWC-32
92683381026	BOW-BGWC-34D
92683381027	BOW-BGWC-40
92683381028	BOW-AP1-FB-15
92683381029	BOW-BGWA-33

Laboratory ID	Client ID
92683381030	BOW-BGWA-2
92683381031	BOW-BGWC-21
92683381032	BOW-BGWC-23
92683381033	BOW-BGWC-22
92683381034	BOW-BGWC-30
92683381035	BOW-BGWC-39
92683381036	BOW-BGWC-41D
92683381037	BOW-BGWC-43D
92683381038	BOW-BGWC-36D
92683381039	BOW-BGWC-38D
92683381040	BOW-AP1-FD-11
92683381041	BOW-AP1-FB-18
92683381042	BOW-AP1-EB-04
92683381043	BOW-BGWC-49D
92683381044	BOW-BGWC-52
92683381045	BOW-AP1-FB-17
92683381046	BOW-AP1-EB-03
92683381047	BOW-BGWC-51
92683381048	BOW-AP1-FD-10
92683381049	BOW-AP1-FB-16
92683381050	BOW-AP1-EB-02
92683381051	BOW-BGWC-24
92683381052	BOW-BGWC-35D
92683381053	BOW-BGWC-37D
92683381054	BOW-BGWC-42D
92683381055	BOW-AP1-FB-19
92683381056	BOW-AP1-EB-05
92683381057	BOW-AP1-FB-20

The samples were received within 0-6 degrees Celsius (°C). Sample temperature on sample condition form dated 21 August 2023 is illegible and the laboratory did not indicate the samples were received outside specified temperature range. No sample preservation issues were noted by the laboratory.

Sample collection times for the field duplicates were not documented on the chain of custody (COC). The field duplicates were logged by the laboratory with the collection time of 00:00.

Incorrect error corrections were observed on the COC, instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections.

The “ND” results were changed to U by the data validator in the electronic data deliverable (EDD).

The field pH data included in the laboratory report were not validated. However, it was noted that the pH meter calibration check was outside of the acceptable range but within 10% of the true value on August 25, 2023. No qualifications were applied to the data based on professional and technical judgment.

1.0 METALS

The samples were analyzed for metals by USEPA methods 3010A/6010D and USEPA methods 3005A/6020B. (Mercury was evaluated separately in Section 2.0, below).

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Equipment Blank
- ✓ Field Blank
- ⊗ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

1.1 Overall Assessment

The metals data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Eight method blanks were reported (batches 796802, 797094, 797104, 797592, 795012, 797129, 797144, and 797729). Metals were not detected in the method blanks above the method detection limits (MDLs).

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four sample set specific MS/MSD pairs were reported for calcium by US EPA method 6010D, using samples BOW-BGWC-14A, BOW-AP1-FB-13, BOW-BGWA-33, and BOW-AP1-FB-16. The recovery and relative percent deviation (RPD) results were within the laboratory specified acceptance criteria except as noted below.

The recovery of calcium in the MS/MSD pair using BOW-BGWC-14A were high and outside of the laboratory specified acceptance criteria. Since the calcium concentration in sample BOW-BGWC-14A was greater than four times the spiked amounts, no qualifications were applied to the data.

The recovery of calcium in the MS using BOW-BGWA-33 was low and outside of the laboratory specified acceptance criteria, and the MSD recovery in the MSD using BOW-BGWA-33 was high and outside of the laboratory specified acceptance criteria. Since the calcium concentration in sample BOW-BGWA-33 was greater than four times the spiked amounts, no qualifications were applied to the data.

Three sample set specific MS/MSD pairs were reported for metals by US EPA method 6020B, using samples BOW-BGWC-7, BOW-BGWC-39, and BOW-BGWC-37D. The recovery and RPD results were within the laboratory specified acceptance criteria except as noted below.

The recoveries of boron in the MS/MSD pair using BOW-BGWC-39 were high and outside of the laboratory specified acceptance criteria. Since the boron concentration in sample BOW-BGWC-39 was greater than four times the spiked amounts, no qualifications were applied to the data.

One batch MS/MSD pair was reported for metals by US EPA method 6020B. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.5 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Eight LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

1.6 Equipment Blank

Four equipment blanks, BOW-AP1-EB-02, BOW-AP1-EB-03, BOW-AP1-EB-04 and BOW-AP1-EB-05, were collected with the sample set. Metals were not detected in the equipment blanks above the MDLs, with the following exceptions.

Boron (0.031 mg/L) was detected in equipment blank BOW-AP1-EB-02 at an estimated concentration greater than the MDL and less than the RL. Since the boron concentrations in the associated samples were greater than the RL and 5 times the field blank concentration and based on professional and technical judgment, no qualifications were applied to the data.

Boron (0.023 mg/L) was detected in equipment blank BOW-AP1-EB-05 at an estimated concentration greater than the MDL and less than the RL. Since the boron concentrations in the associated samples were greater than the RL and 5 times the field blank concentration and based on professional and technical judgment, no qualifications were applied to the data.

1.7 Field Blank

Nine field blanks, BOW-AP1-FB-12, BOW-AP1-FB-13, BOW-AP1-FB-14, BOW-AP1-FB-15, BOW-AP1-FB-16, BOW-AP1-FB-17, BOW-AP1-FB-18, BOW-AP1-FB-19, and BOW-AP1-FB-20 were collected with the sample set. Metals were not detected in the field blanks above the MDLs, with the following exceptions.

Boron (0.015 mg/L) was detected in field blank BOW-AP1-FB-14 at an estimated concentration greater than the MDL and less than the RL. Since the boron concentrations in the associated samples were greater than the RL and 5 times the field blank concentration and based on professional and technical judgment, no qualifications were applied to the data.

Antimony (0.0017 mg/L) was detected in field blank BOW-AP1-FB-19 at an estimated concentration greater than the MDL and less than the RL. Since antimony was not detected in the associated samples, no qualifications were applied to the data.

Boron (0.014 mg/L) was detected in field blank BOW-AP1-FB-20 at an estimated concentration greater than the MDL and less than the RL. Since the boron concentrations in the associated samples were greater than the RL and 5 times the field blank concentration and based on professional and technical judgment, no qualifications were applied to the data.

1.8 Field Duplicate

Four field duplicate samples were collected with the sample set, BOW-AP1-FD-08, BOW-AP1-FD-09, BOW-AP1-FD-10, and BOW-AP1-FD-11. Acceptable precision ($RPD \leq 30\%$) was demonstrated between the field duplicates and the original samples, BOW-BGWC-50D, BOW-BGWC-17, BOW-BGWC-36D, and BOW-BGWC-43D, respectively, with the following exceptions.

Beryllium was detected in primary sample BOW-BGWC-17 at an estimated concentration greater than the MDL and less than the RL and was not detected in field duplicate BOW-AP1-FD-09, resulting in a noncalculable RPD. Therefore, the beryllium concentration in the field duplicate pair was J qualified as estimated and the non-detect result was UJ qualified as estimated less than the MDL, based on professional and technical judgment.

Boron was detected in primary sample BOW-BGWC-50D at an estimated concentration greater than the MDL and less than the RL and was detected in field duplicate BOW-AP1-FD-08 at a concentration greater than the RL, resulting in a noncalculable RPD. Therefore, the boron concentrations in the field duplicate pair were J qualified as estimated, based on professional and technical judgment.

Molybdenum was detected in primary sample BOW-BGWC-36D at a concentration greater than the RL and was detected in field duplicate BOW-AP1-FD-10 at an estimated concentration greater than the MDL and less than the RL, resulting in a noncalculable RPD. Therefore, the molybdenum concentrations in the field duplicate pair were J qualified as estimated, based on professional and technical judgment.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
BOW-BGWC-17	Beryllium	0.000057	J	NC	0.000057	J	7
BOW-AP1-FD-09	Beryllium	0.000054	U		0.000054	UJ	7
BOW-BGWC-50D	Boron	0.040	J	NC	0.040	J	7
BOW-AP1-FD-08	Boron	0.041	NA		0.041	J	7
BOW-BGWC-36D	Molybdenum	0.010	NA	NC	0.010	J	7

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
BOW-API-FD-10	Molybdenum	0.0099	J		0.0099	J	7

mg/L-milligrams per liter

J-estimated concentration greater than the MDL and less than the RL

U-not detected at or above the MDL

NA-not applicable

NC-not calculable

* Validation qualifiers are defined in Attachment 1 at the end of this report

**Reason codes are defined in Attachment 2 at the end of this report

1.9 Sensitivity

The samples were reported to the MDLs. Elevated non-detect results were reported due to the dilutions analyzed.

1.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

2.0 MERCURY

The samples were analyzed for mercury by USEPA method 7470A.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Equipment Blank
- ✓ Field Blank
- ⊗ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

2.1 Overall Assessment

The mercury data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this data set is 100%.

2.2 Holding Time

The holding time for mercury analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four method blanks were reported (batches 795037, 798693, 798694, and 798695). Mercury was not detected in the method blanks above the MDL.

2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three sample set specific MS/MSD pairs were reported, using samples BOW-AP1-FB-13, BOW-BGWA-33, and BOW-AP1-FB-16. The recovery and RPD results were within the laboratory specified acceptance criteria.

One batch MS/MSD pair was reported for mercury. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

2.6 Equipment Blank

Four equipment blanks, BOW-AP1-EB-02 BOW-AP1-EB-03 BOW-AP1-EB-04 and BOW-AP1-EB-05, were collected with the sample set. Mercury was not detected in the equipment blanks above the MDLs, with the following exception.

Mercury (0.00014 mg/L) was detected in equipment blank BOW-AP1-EB-03 at an estimated concentration greater than the MDL and less than the RL. Since the mercury concentration in the

equipment blank was U qualified and based on professional and technical judgment, no additional qualifications were applied to the data.

2.7 Field Blank

Nine field blanks, BOW-AP1-FB-12, BOW-AP1-FB-13, BOW-AP1-FB-14, BOW-AP1-FB-15, BOW-AP1-FB-16, BOW-AP1-FB-17, BOW-AP1-FB-18, BOW-AP1-FB-19, and BOW-AP1-FB-20 were collected with the sample set. Mercury was not detected in the field blanks above the MDLs.

2.8 Field Duplicate

Four field duplicate samples were collected with the sample set, BOW-AP1-FD-08, BOW-AP1-FD-09, BOW-AP1-FD-10, and BOW-AP1-FD-11. Acceptable precision (RPD ≤ 30%) was demonstrated between the field duplicates and the original samples, BOW-BGWC-50D, BOW-BGWC-17, BOW-BGWC-36D, and BOW-BGWC-43D, respectively.

Mercury was detected in primary sample BOW-BGWC-43D at an estimated concentration greater than the MDL and less than the RL and was not detected in field duplicate BOW-AP1-FD-11, resulting in a noncalculable RPD. Therefore, the mercury concentration in the field duplicate pair was J qualified as estimated and the non-detect result was UJ qualified as estimated less than the MDL, based on professional and technical judgment.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	RPD	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-43D	Mercury	0.00015	J	NC	0.00015	J	7
BOW-AP1-FD-11	Mercury	0.00012	U		0.00012	UJ	7

mg/L-milligrams per liter

J-estimated concentration greater than the MDL and less than the RL

U-not detected at or above the MDL

NC-not calculable

2.9 Sensitivity

The samples were reported to the MDL. Elevated non-detect results were not reported.

2.10 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

3.0 WET CHEMISTRY

The samples were analyzed for TDS by Standard method 2540C and anions by USEPA method 300.0.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ⊗ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ⊗ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

3.1 Overall Assessment

3.1.1 Completeness

The wet chemistry data reported in this data set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for these analyses, for this data set is 100%.

3.1.2 Analysis Anomaly

The TDS concentrations for samples BOW-BGWC-22, BOW-BGWC-24 and BOW-BGWC-35D were 1g-flagged to indicate the sample residue exceeded method SM 2540C recommended 200 mg. Therefore, based on professional and technical judgment, the TDS concentration for samples BOW-BGWC-22, BOW-BGWC-24 and BOW-BGWC-35D were J qualified as estimated.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-22	TDS	3940	1g	3940	J	13

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-24	TDS	2120	1g	2120	J	13
BOW-BGWC-35D	TDS	2730	1g	2730	J	13

mg/L-milligrams per liter

1g-Sample residue exceeded method SM 2540C recommended 200 mg

3.2 Holding Times

The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding time for the anions (chloride, fluoride, and sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

3.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Five method blanks were reported for TDS (batches 795115, 795387, 795987, 796395, and 796832) and six method blanks were reported for the anions (batches 794766, 795066, 795339, 795909, 795915, and 796480). The wet chemistry parameters were not detected in the method blanks above the MDLs.

3.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four sample set specific MS/MSD pairs were reported for anions, using samples BOW-BGWC-50D, BOW-AP1-FB-15, BOW-BGWC-23 and BOW-AP1-EB-04. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of fluoride and sulfate in the MSD using sample BOW-BGWC-50D were low and outside of the laboratory specified acceptance criteria. Therefore, the fluoride concentration in sample BOW-BGWC-50D was J- qualified as estimated with a low bias. Since the sulfate concentration in the sample was greater than four times the spiked amount, no qualifications were applied to the data.

The recoveries of chloride and sulfate in the MS/MSD pair using sample BOW-BGWC-23 were low and outside of the laboratory specified acceptance criteria. Since the chloride and sulfate concentration in the sample were greater than four times the spiked amounts, no qualifications were applied to the data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
BOW-BGWC-50D	Fluoride	0.14	M1	0.14	J-	4

mg/L-milligrams per liter

J- estimated concentration greater than the MDL and less than the RL

M1-laboratory flag indicating MS recovery exceeded QC limits

Six batch MS/MSD pairs were reported for anions. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Five LCSs were reported for TDS and six LCSs were reported for the anions. The recovery results were within the laboratory specified acceptance criteria.

3.6 Laboratory Duplicate

Nine sample set specific laboratory duplicates were reported for TDS, using samples BOW-BGWC-8, BOW-BGWC-47D, BOW-BGWC-7, BOW-BGWC-20, BOW-BGWC-34D, BOW-BGWC-22, BOW-BGWC-23, BOW-AP1-EB-04, and BOW-AP1-EB-05. The RPD results were within the laboratory specified acceptance criteria.

One batch laboratory duplicate was reported for TDS. Since this was a batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

3.7 Equipment Blank

Four equipment blanks, BOW-AP1-EB-02 BOW-AP1-EB-03 BOW-AP1-EB-04 and BOW-AP1-EB-05, were collected with the sample set. The wet chemistry parameters were not detected in the equipment blanks above the MDLs.

3.8 Field Blank

Nine field blanks, BOW-AP1-FB-12, BOW-AP1-FB-13, BOW-AP1-FB-14, BOW-AP1-FB-15, BOW-AP1-FB-16, BOW-AP1-FB-17, BOW-AP1-FB-18, BOW-AP1-FB-19, and BOW-AP1-FB-20 were collected with the sample set. The wet chemistry parameters were not detected in the field blanks above the MDL, with the following exceptions.

TDS was detected in the field blank BOW-AP1-FB-19 (49 mg/L) at concentrations greater than or equal to the RL. Since TDS was detected in the associated samples at concentrations greater than ten times the field blank concentration, no qualifications were applied to the data.

3.9 Field Duplicate

Four field duplicate samples were collected with the sample set, BOW-AP1-FD-08, BOW-AP1-FD-09, BOW-AP1-FD-10, and BOW-AP1-FD-11. Acceptable precision (RPD < 30%) was demonstrated between the field duplicates and the original samples, BOW-BGWC-50D, BOW-BGWC-17, BOW-BGWC-36D, and BOW-BGWC-43D, respectively.

3.10 Sensitivity

The samples were reported to the MDLs. No elevated non-detect results were reported.

3.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

* * * * *

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
AND INTERPRETATION KEY
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

- U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result.”
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec’s Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS or RPD recovery outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed or modified: no validation qualification required

LCS - Laboratory Control Sample
 LCSD - Laboratory Control Sample duplicate
 RPD - Relative percent difference

Memorandum

Date: 8 January 2024
To: Anthony Szwast
From: Matthew Richardson
CC: J. Caprio
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92683382**

SITE: Plant Smith

INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of forty aqueous samples, four field duplicates, nine field blanks and four equipment blanks, collected 15-18 and 21-25 August 2023, as part of the Plant Bowen AP on-site sampling event.

The samples were analyzed at Pace Analytical Services Pennsylvania, Greensburg, Pennsylvania, for the following analytical tests:

- Radium-226 by United States (US) Environmental Protection Agency (EPA) Method 9315
- Radium-228 by US EPA Method 9320
- Combined Radium 226 + 228 by Calculation

EXECUTIVE SUMMARY

Based on the Stage 2A data validation covering the quality control (QC) parameters listed below and the information provided, the data as qualified are usable for supporting project objectives. Qualified data should be used within the limitation of the qualification.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment and the following documents:

- United States Environmental Protection Agency (US EPA) Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011) and
- American Nuclear Society Verification and Validation of Radiological Data for Use in Management and Environmental Remediation, ANSI/ANS-41.5-2012, February 15, 2012.

The following samples were analyzed and reported in the laboratory reports:

Laboratory ID	Client ID
92683382001	BOW-BGWA-29
92683382002	BOW-BGWA-48D
92683382003	BOW-BGWC-8
92683382004	BOW-BGWC-12
92683382005	BOW-BGWC-14A
92683382006	BOW-BGWA-47D
92683382007	BOW-BGWA-6
92683382008	BOW-BGWC-44D
92683382009	BOW-API-FB-13
92683382010	BOW-BGWC-50D
92683382011	BOW-API-FD-08
92683382012	BOW-API-FB-12
92683382013	BOW-BGWC-7
92683382014	BOW-BGWC-9
92683382015	BOW-BGWC-10
92683382016	BOW-BGWC-16
92683382017	BOW-BGWC-17
92683382018	BOW-BGWC-18
92683382019	BOW-BGWC-25
92683382020	BOW-API-FD-09
92683382021	BOW-API-FB-14
92683382022	BOW-BGWC-19
92683382023	BOW-BGWC-20
92683382024	BOW-BGWC-31
92683382025	BOW-BGWC-32
92683382026	BOW-BGWC-34D
92683382027	BOW-BGWC-40
92683382028	BOW-API-FB-15
92683382029	BOW-BGWA-33

Laboratory ID	Client ID
92683382030	BOW-BGWA-2
92683382031	BOW-BGWC-21
92683382032	BOW-BGWC-23
92683382033	BOW-BGWC-22
92683382034	BOW-BGWC-30
92683382035	BOW-BGWC-39
92683382036	BOW-BGWC-41D
92683382037	BOW-BGWC-43D
92683382038	BOW-BGWC-36D
92683382039	BOW-BGWC-38D
92683382040	BOW-API-FD-11
92683382041	BOW-API-FB-18
92683382042	BOW-API-EB-04
92683382043	BOW-BGWC-49D
92683382044	BOW-BGWC-52
92683382045	BOW-API-FB-17
92683382046	BOW-API-EB-03
92683382047	BOW-BGWC-51
92683382048	BOW-API-FD-10
92683382049	BOW-API-FB-16
92683382050	BOW-API-EB-02
92683382051	BOW-BGWC-24
92683382052	BOW-BGWC-35D
92683382053	BOW-BGWC-37D
92683382054	BOW-BGWC-42D
92683382055	BOW-API-FB-19
92683382056	BOW-API-EB-05
92683382057	BOW-API-FB-20

No sample preservation issues were noted by the laboratory.

1.0 RADIOCHEMISTRY

The samples were analyzed for radium-226 by US EPA method 9315, radium-228 by US EPA method 9320 and combined radium 226+228 by calculation.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ⊗ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Duplicate
- ⊗ Laboratory Control Sample
- ✓ Tracers and Carriers
- ✓ Equipment Blank
- ⊗ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

1.1 Overall Assessment

The radium-226 and radium-228 data reported in this sample set are considered usable for supporting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this sample set is 100%.

1.2 Holding Times

The holding time for the radium-226 and radium-228 analyses of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four method blanks were reported for radium-226 (batches 612655, 613520, 613519 and 615171) and five method blanks were reported for radium-228 (batches 614488, 611588, 614497, 611593 and 614486). The radiochemistry parameters were not detected in the method blanks above the minimum detectable concentrations (MDCs), with the following exceptions.

Radium-226 was detected in the method blanks in batches 613520 (0.368 pCi/L) and 615171 (0.329 pCi/L) at concentrations greater than the MDCs. Therefore, the concentrations of radium-226 in the associated samples with mean differences (MDs) less than two were UJ qualified as estimated less than the reported concentration, and the concentrations of radium-226 in the associated samples with MDs greater than two and blank activity difference less than a factor of ten were J qualified as estimated. Additionally, the concentrations of combined radium-226 and radium-228 in these samples were J qualified as estimated.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier*	Reason Code**
BOW-BGWC-22	Combined Radium 226 + 228	2.43	NA	2.43	J	3
BOW-BGWC-22	Radium-226	1.13	NA	1.13	J	3
BOW-BGWC-30	Radium-226	0.48	NA	0.48	UJ	3
BOW-BGWC-39	Radium-226	0.529	NA	0.529	UJ	3
BOW-BGWC-41D	Combined Radium 226 + 228	2.06	NA	2.06	J	3
BOW-BGWC-41D	Radium-226	0.971	NA	0.971	J	3
BOW-BGWC-43D	Combined Radium 226 + 228	1.79	NA	1.79	J	3
BOW-BGWC-43D	Radium-226	0.448	NA	0.448	UJ	3
BOW-BGWC-36D	Radium-226	0.513	NA	0.513	UJ	3
BOW-BGWC-38D	Combined Radium 226 + 228	3.26	NA	3.26	J	3
BOW-BGWC-38D	Radium-226	1.18	NA	1.18	J	3
BOW-API-FD-11	Combined Radium 226 + 228	1.89	NA	1.89	J	3
BOW-API-FD-11	Radium-226	0.951	NA	0.951	J	3
BOW-API-FB-18	Radium-226	0.367	NA	0.367	UJ	3
BOW-BGWC-49D	Combined Radium 226 + 228	2.97	NA	2.97	J	3
BOW-BGWC-49D	Radium-226	1.25	NA	1.25	J	3
BOW-API-FD-10	Combined Radium 226 + 228	2.16	NA	2.16	J	3
BOW-API-FD-10	Radium-226	0.547	NA	0.547	UJ	3
BOW-BGWC-35D	Combined Radium 226 + 228	3.09	NA	3.09	J	3
BOW-BGWC-35D	Radium-226	0.999	NA	0.999	J	3
BOW-BGWC-37D	Combined Radium 226 + 228	3.06	NA	3.06	J	3
BOW-BGWC-37D	Radium-226	0.921	NA	0.921	J	3
BOW-BGWC-42D	Combined Radium 226 + 228	1.37	NA	1.37	J	3
BOW-BGWC-42D	Radium-226	0.351	NA	0.351	UJ	3
BOW-API-FB-20	Radium-226	0.271	NA	0.271	UJ	3

pCi/L-picocuries per liter

NA-not applicable

* Validation qualifiers are defined in Attachment 1 at the end of this report

**Reason codes are defined in Attachment 2 at the end of this report

1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)

MS/MSD pairs were not reported.

1.5 Laboratory Duplicate

Two laboratory duplicates were reported for radium-226 using samples BOW-BGWC-23 and BOW-BGWC-35D. The replicate error ratio (RER) results were within the laboratory specified acceptance criteria.

One batch laboratory duplicate were also reported for radium-226. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

1.6 Laboratory Control Sample (LCS)

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four LCS/laboratory control sample duplicate (LCSD) pairs were reported for radium-226 and three LCSs and three LCS/LCSD pairs were reported for radium-228. The recovery and RER results were within the laboratory specified acceptance criteria, with the following exceptions.

The LCS recovery of radium-228 in batch 611593 was low and outside of the laboratory specified acceptance criteria. Therefore, the non-detect results of radium-228 and total radium in the associated samples were UJ qualified as estimated less than the MDCs. Additionally, the concentration of combined radium-226 and radium-228 in sample BOW-BGWC-7 were J qualified as estimated.

The LCS recovery of radium-226 in batch 613519 was low and outside of the laboratory specified acceptance criteria. Therefore, the non-detect results of radium-226 in the associated samples were UJ qualified as estimated less than the MDCs, and the radium-226 concentrations in the associated samples were J qualified as estimated. Additionally, the non-detect results of combined radium-226 and radium 228 in these samples were UJ qualified as estimated less than the MDCs, and the concentrations of combined radium-226 and radium-228 in these samples were J qualified as estimated.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-BGWC-7	Combined Radium 226 + 228	1.45	NA	1.45	J	5
BOW-BGWC-7	Radium-226	0.79	NA	0.79	J	5
BOW-BGWC-7	Radium-228	0.659	U	0.659	UJ	5
BOW-BGWC-9	Combined Radium 226 + 228	0.711	U	0.711	UJ	5
BOW-BGWC-9	Radium-226	0.462	U	0.462	UJ	5
BOW-BGWC-9	Radium-228	0.249	U	0.249	UJ	5

Plant Bowen Data Validation

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Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-BGWC-10	Combined Radium 226 + 228	0.942	U	0.942	UJ	5
BOW-BGWC-10	Radium-226	0.942	NA	0.942	J	5
BOW-BGWC-10	Radium-228	-0.00489	U	-0.00489	UJ	5
BOW-BGWC-16	Combined Radium 226 + 228	1.21	U	1.21	UJ	5
BOW-BGWC-16	Radium-226	0.634	NA	0.634	J	5
BOW-BGWC-17	Combined Radium 226 + 228	1.04	U	1.04	UJ	5
BOW-BGWC-17	Radium-226	0.163	U	0.163	UJ	5
BOW-BGWC-18	Combined Radium 226 + 228	1.16	U	1.16	UJ	5
BOW-BGWC-18	Radium-226	0.0786	U	0.0786	UJ	5
BOW-BGWC-25	Combined Radium 226 + 228	0.909	U	0.909	UJ	5
BOW-BGWC-25	Radium-226	0.324	U	0.324	UJ	5
BOW-API-FD-09	Combined Radium 226 + 228	0.383	U	0.383	UJ	5
BOW-API-FD-09	Radium-226	0.0326	U	0.0326	UJ	5
BOW-API-FB-14	Combined Radium 226 + 228	0.67	U	0.67	UJ	5
BOW-API-FB-14	Radium-226	0.271	U	0.271	UJ	5
BOW-BGWC-19	Combined Radium 226 + 228	1.49	U	1.49	UJ	5
BOW-BGWC-19	Radium-226	0.465	U	0.465	UJ	5
BOW-BGWC-20	Combined Radium 226 + 228	0.256	U	0.256	UJ	5
BOW-BGWC-20	Radium-226	0.256	U	0.256	UJ	5
BOW-BGWC-31	Combined Radium 226 + 228	1.82	NA	1.82	J	5
BOW-BGWC-31	Radium-226	0.757	NA	0.757	J	5
BOW-BGWC-32	Combined Radium 226 + 228	1.24	U	1.24	UJ	5
BOW-BGWC-32	Radium-226	0.712	NA	0.712	J	5
BOW-BGWC-34D	Combined Radium 226 + 228	2.36	NA	2.36	J	5
BOW-BGWC-34D	Radium-226	1.79	NA	1.79	J	5
BOW-BGWC-40	Combined Radium 226 + 228	1.14	U	1.14	UJ	5
BOW-BGWC-40	Radium-226	0.271	U	0.271	UJ	5
BOW-API-FB-15	Combined Radium 226 + 228	1.06	U	1.06	UJ	5
BOW-API-FB-15	Radium-226	0.103	U	0.103	UJ	5
BOW-BGWA-33	Combined Radium 226 + 228	1.19	NA	1.19	J	5

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-BGWA-33	Radium-226	0.876	NA	0.876	J	5
BOW-BGWA-2	Combined Radium 226 + 228	0.561	U	0.561	UJ	5
BOW-BGWA-2	Radium-226	0.229	U	0.229	UJ	5
BOW-BGWC-21	Combined Radium 226 + 228	0.704	U	0.704	UJ	5
BOW-BGWC-21	Radium-226	0.293	U	0.293	UJ	5
BOW-BGWC-23	Combined Radium 226 + 228	0.799	U	0.799	UJ	5
BOW-BGWC-23	Radium-226	0.471	U	0.471	UJ	5

pCi/L-picocuries per liter

NA-not applicable

U-not detected at a concentration greater than or equal to the MDC

1.7 Tracers and Carriers

Carriers were reported for the radium-226 and radium-228 analyses. The recovery results were within the laboratory specified acceptance criteria.

1.8 Equipment Blank

Four equipment blanks, BOW-AP1-EB-02, BOW-AP1-EB-03, BOW-AP1-EB-04 and BOW-AP1-EB-05, were collected with the sample set. The radiochemistry parameters were not detected in the equipment blanks above the MDCs.

1.9 Field Blank

Nine field blanks, BOW-AP1-FB-12, BOW-AP1-FB-13, BOW-AP1-FB-14, BOW-AP1-FB-15, BOW-AP1-FB-16, BOW-AP1-FB-17, BOW-AP1-FB-18, BOW-AP1-FB-19 and BOW-AP1-FB-20, were collected with the sample set. The radiochemistry parameters were not detected in the field blanks above the MDCs, with the following exceptions.

Radium-228 was detected in the field blank BOW-AP1-FB-15 at a concentration greater than the MDC. Therefore, the radium-228 concentrations samples BOW-BGWC-19 and BOW-BGWC-31 were UJ qualified as estimated. Additionally, the concentration of combined radium-226 and radium-228 in sample BOW-BGWC-31 was J qualified as estimated.

Radium-226 was detected in the field blank BOW-AP1-FB-18 at a concentration greater than the MDC. No additional qualifications were applied to the radium-226 data qualified for method blank contamination. However, the radium-226 concentration sample BOW-BGWA-33 was J qualified

as estimated. Additionally, the concentration of combined radium-226 and radium-228 in sample BOW-BGWA-33 was J qualified as estimated.

Radium-226 was detected in the field blank BOW-AP1-FB-20 at a concentration greater than the MDC. Since radium-226 was not detected in the associated samples and the MD was less than three, no qualifications were applied to the data.

Sample	Analyte	Laboratory Result (pCi/L)	Laboratory Flag	Validation Result (pCi/L)	Validation Qualifier	Reason Code
BOW-BGWC-19	Radium-228	1.02	NA	1.02	UJ	3
BOW-BGWC-31	Radium-228	1.06	NA	1.06	UJ	3
BOW-BGWC-31	Combined Radium 226 + 228	1.82	NA	1.82	J	3
BOW-BGWA-33	Radium-228	1.06	NA	1.06	J	3
BOW-BGWA-33	Combined Radium 226 + 228	1.19	NA	1.19	J	3

pCi/L-picocuries per liter

NA-not applicable

1.10 Field Duplicate

Four field duplicate samples were collected with the sample set, BOW-AP1-FD-08, BOW-AP1-FD-09, BOW-AP1-FD-10, and BOW-AP1-FD-11. Acceptable precision ($RER \leq 3$) was demonstrated between the field duplicates and the original samples, BOW-BGWC-50D, BOW-BGWC-17, BOW-BGWC-36D, and BOW-BGWC-43D, respectively, with the following exceptions.

Radium-228 was detected in parent sample BOW-BGWC-50D at a concentration greater than the MDC and not detected in the field duplicate sample BOW-AP1-FD-08, resulting in a noncalculable RPD. Since the RER was less than three, no qualifications were applied to the data.

Radium-228 was detected in parent sample BOW-BGWC-17 at a concentration greater than the MDC and not detected in field duplicate sample BOW-AP1-FD-09, resulting in a noncalculable RPD. Since the RER was less than three, no qualifications were applied to the data.

Radium-228 was detected in field duplicate sample BOW-AP1-FD-10 at a concentration greater than the MDC and not detected in parent sample BOW-BGWC-36D, resulting in a noncalculable RPD. Since the RER was less than three, no qualifications were applied to the data.

Radium-228 was detected in parent sample BOW-BGWC-43D at a concentration greater than the MDC and not detected in field duplicate sample BOW-AP1-FD-11, resulting in a noncalculable RPD. Since the RER was less than three, no qualifications were applied to the data.

1.11 Sensitivity

The samples were reported to the MDCs. Elevated non-detect results were not reported.

1.12 Electronic Data Deliverables (EDDs) Review

The results and sample IDs in the EDDs were reviewed against the information provided by the associated level II reports at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II reports and the EDDs.

ATTACHMENT 1
DATA VALIDATION QUALIFIER DEFINITIONS
Assigned by Geosyntec's Data Validation Team

DATA QUALIFIER DEFINITIONS

- U The analyte was analyzed for but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result.”
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
- N There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

ATTACHMENT 2
DATA VALIDATION REASON CODES
Assigned by Geosyntec’s Data Validation Team

Valid Value	Description
1	Preservation requirement not met
2	Extraction or analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS recovery outside limits or RPD outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed: no validation qualification required

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample duplicate

RPD - Relative percent difference

Field Sampling Forms

February 2023

Low-Flow Test Report:

Test Date / Time: 1/24/2023 2:45:53 PM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWA-2 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 79.17 ft Total Depth: 89.17 ft Initial Depth to Water: 49.91 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 84.17 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/24/2023 2:45 PM	00:00	7.28 pH	18.67 °C	439.49 µS/cm	6.21 mg/L	0.49 NTU	81.7 mV	49.91 ft	100.00 ml/min
1/24/2023 2:49 PM	04:00	7.20 pH	18.36 °C	449.14 µS/cm	3.81 mg/L	2.93 NTU	93.6 mV	49.92 ft	100.00 ml/min
1/24/2023 2:53 PM	08:00	7.24 pH	18.17 °C	452.93 µS/cm	4.38 mg/L	9.77 NTU	96.2 mV	49.92 ft	100.00 ml/min
1/24/2023 2:57 PM	12:00	7.27 pH	17.94 °C	453.74 µS/cm	4.35 mg/L	8.60 NTU	97.2 mV	49.92 ft	100.00 ml/min
1/24/2023 3:01 PM	16:00	7.28 pH	17.72 °C	453.56 µS/cm	4.19 mg/L	7.17 NTU	97.9 mV	49.92 ft	100.00 ml/min
1/24/2023 3:05 PM	20:00	7.28 pH	18.04 °C	453.24 µS/cm	4.03 mg/L	6.56 NTU	97.8 mV	49.92 ft	100.00 ml/min
1/24/2023 3:09 PM	24:00	7.29 pH	18.17 °C	451.85 µS/cm	3.86 mg/L	5.82 NTU	98.2 mV	49.92 ft	100.00 ml/min
1/24/2023 3:13 PM	28:00	7.30 pH	18.12 °C	449.76 µS/cm	3.71 mg/L	4.85 NTU	98.5 mV	49.92 ft	100.00 ml/min
1/24/2023 3:17 PM	32:00	7.31 pH	18.06 °C	448.76 µS/cm	3.56 mg/L	4.11 NTU	99.0 mV	49.92 ft	100.00 ml/min
1/24/2023 3:21 PM	36:00	7.32 pH	18.05 °C	447.46 µS/cm	3.42 mg/L	3.84 NTU	99.2 mV	49.92 ft	100.00 ml/min

Samples

Sample ID:	Description:
BGWA-2	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/25/2023 10:54:26 AM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWA-6 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.74 ft Total Depth: 62.74 ft Initial Depth to Water: 39.19 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 57.74 ft Estimated Total Volume Pumped: 11440 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Lowered pump rate to 110 mL/min at 44:00.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/25/2023 10:54 AM	00:00	7.18 pH	17.29 °C	558.84 µS/cm	2.62 mg/L	2.26 NTU	102.4 mV	39.32 ft	0.30 PSU	140.00 ml/min
1/25/2023 10:58 AM	04:00	7.00 pH	17.32 °C	573.39 µS/cm	1.05 mg/L	5.94 NTU	105.1 mV	39.34 ft	0.31 PSU	140.00 ml/min
1/25/2023 11:02 AM	08:00	6.93 pH	17.19 °C	575.14 µS/cm	0.91 mg/L	14.40 NTU	104.7 mV	39.35 ft	0.31 PSU	140.00 ml/min
1/25/2023 11:06 AM	12:00	6.91 pH	17.14 °C	575.55 µS/cm	0.75 mg/L	16.60 NTU	103.9 mV	39.35 ft	0.31 PSU	140.00 ml/min
1/25/2023 11:10 AM	16:00	6.89 pH	17.23 °C	574.83 µS/cm	0.65 mg/L	13.60 NTU	102.9 mV	39.35 ft	0.31 PSU	140.00 ml/min
1/25/2023 11:14 AM	20:00	6.88 pH	17.63 °C	574.33 µS/cm	0.53 mg/L	12.70 NTU	102.6 mV	39.35 ft	0.31 PSU	140.00 ml/min
1/25/2023 11:18 AM	24:00	6.88 pH	17.50 °C	573.63 µS/cm	0.38 mg/L	12.10 NTU	101.7 mV	39.35 ft	0.31 PSU	140.00 ml/min
1/25/2023 11:22 AM	28:00	6.88 pH	17.29 °C	574.34 µS/cm	0.30 mg/L	11.00 NTU	101.5 mV	39.35 ft	0.31 PSU	140.00 ml/min
1/25/2023 11:26 AM	32:00	6.88 pH	17.28 °C	575.35 µS/cm	0.27 mg/L	11.67 NTU	101.8 mV	39.35 ft	0.31 PSU	140.00 ml/min
1/25/2023 11:30 AM	36:00	6.88 pH	17.54 °C	573.63 µS/cm	0.26 mg/L	10.52 NTU	101.3 mV	39.35 ft	0.31 PSU	140.00 ml/min
1/25/2023 11:34 AM	40:00	6.88 pH	17.40 °C	574.60 µS/cm	0.25 mg/L	9.87 NTU	101.0 mV	39.35 ft	0.31 PSU	140.00 ml/min
1/25/2023 11:38 AM	44:00	6.88 pH	17.50 °C	573.81 µS/cm	0.26 mg/L	9.63 NTU	99.8 mV	39.31 ft	0.31 PSU	110.00 ml/min
1/25/2023 11:42 AM	48:00	6.88 pH	17.70 °C	573.05 µS/cm	0.24 mg/L	8.88 NTU	99.4 mV	39.30 ft	0.31 PSU	110.00 ml/min
1/25/2023 11:46 AM	52:00	6.88 pH	17.77 °C	573.59 µS/cm	0.28 mg/L	8.42 NTU	99.0 mV	39.30 ft	0.31 PSU	110.00 ml/min
1/25/2023 11:50 AM	56:00	6.88 pH	17.86 °C	571.86 µS/cm	0.27 mg/L	7.33 NTU	98.6 mV	39.30 ft	0.31 PSU	110.00 ml/min

1/25/2023 11:54 AM	01:00:00	6.87 pH	17.63 °C	572.58 µS/cm	0.27 mg/L	6.59 NTU	98.7 mV	39.30 ft	0.31 PSU	110.00 ml/min
1/25/2023 11:58 AM	01:04:00	6.87 pH	17.53 °C	572.94 µS/cm	0.28 mg/L	6.02 NTU	98.8 mV	39.29 ft	0.31 PSU	110.00 ml/min
1/25/2023 12:02 PM	01:08:00	6.88 pH	17.47 °C	572.89 µS/cm	0.28 mg/L	5.87 NTU	98.8 mV	39.29 ft	0.31 PSU	110.00 ml/min
1/25/2023 12:06 PM	01:12:00	6.88 pH	17.45 °C	572.92 µS/cm	0.29 mg/L	5.48 NTU	98.6 mV	39.29 ft	0.31 PSU	110.00 ml/min
1/25/2023 12:10 PM	01:16:00	6.88 pH	17.45 °C	572.73 µS/cm	0.29 mg/L	5.02 NTU	98.5 mV	39.29 ft	0.31 PSU	110.00 ml/min
1/25/2023 12:14 PM	01:20:00	6.87 pH	17.63 °C	572.64 µS/cm	0.29 mg/L	5.04 NTU	98.5 mV	39.29 ft	0.31 PSU	110.00 ml/min
1/25/2023 12:18 PM	01:24:00	6.87 pH	17.89 °C	571.56 µS/cm	0.29 mg/L	4.80 NTU	98.4 mV	39.29 ft	0.31 PSU	110.00 ml/min
1/25/2023 12:22 PM	01:28:00	6.87 pH	18.03 °C	571.04 µS/cm	0.29 mg/L	4.84 NTU	98.2 mV	39.29 ft	0.31 PSU	110.00 ml/min
1/25/2023 12:26 PM	01:32:00	6.87 pH	17.90 °C	572.04 µS/cm	0.30 mg/L	4.69 NTU	98.0 mV	39.29 ft	0.31 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWA-6	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/25/2023 1:25:36 PM

Project: Plant Bowen AP January 2023

Operator Name: Kevin Stephenson

Location Name: BGWC-7 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 80.2 ft Total Depth: 90.2 ft Initial Depth to Water: 40.82 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 85.2 ft Estimated Total Volume Pumped: 12320 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 38.81 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 6 liters. WL dropped below top of pump @ 79.63ft. Complete evacuation method initiated. Samples to be collected 1/26/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/25/2023 1:25 PM	00:00	6.87 pH	20.93 °C	845.27 µS/cm	0.39 mg/L	0.34 NTU	159.0 mV	54.21 ft	0.46 PSU	140.00 ml/min
1/25/2023 1:29 PM	04:00	6.79 pH	17.89 °C	1,003.2 µS/cm	0.29 mg/L	0.42 NTU	85.8 mV	56.66 ft	0.56 PSU	140.00 ml/min
1/25/2023 1:33 PM	08:00	6.81 pH	17.84 °C	1,005.8 µS/cm	0.51 mg/L	0.40 NTU	69.8 mV	57.68 ft	0.56 PSU	140.00 ml/min
1/25/2023 1:37 PM	12:00	6.84 pH	17.82 °C	1,005.2 µS/cm	0.85 mg/L	0.43 NTU	64.1 mV	59.93 ft	0.56 PSU	140.00 ml/min
1/25/2023 1:41 PM	16:00	6.86 pH	17.80 °C	1,006.6 µS/cm	1.10 mg/L	0.37 NTU	60.9 mV	60.47 ft	0.56 PSU	140.00 ml/min
1/25/2023 1:45 PM	20:00	6.88 pH	18.03 °C	1,006.2 µS/cm	1.27 mg/L	0.35 NTU	59.1 mV	61.81 ft	0.56 PSU	140.00 ml/min
1/25/2023 1:49 PM	24:00	6.90 pH	17.80 °C	1,003.1 µS/cm	1.40 mg/L	0.39 NTU	57.3 mV	62.30 ft	0.56 PSU	140.00 ml/min
1/25/2023 1:53 PM	28:00	6.91 pH	17.88 °C	1,006.5 µS/cm	1.54 mg/L	0.39 NTU	56.2 mV	63.56 ft	0.56 PSU	140.00 ml/min
1/25/2023 1:57 PM	32:00	6.92 pH	17.85 °C	1,005.5 µS/cm	1.65 mg/L	0.47 NTU	55.4 mV	65.24 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:01 PM	36:00	6.93 pH	17.89 °C	1,004.6 µS/cm	1.72 mg/L	1.20 NTU	54.8 mV	66.47 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:05 PM	40:00	6.94 pH	17.62 °C	1,005.1 µS/cm	1.76 mg/L	0.43 NTU	53.8 mV	67.71 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:09 PM	44:00	6.94 pH	17.52 °C	1,005.4 µS/cm	1.79 mg/L	0.60 NTU	53.1 mV	68.79 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:13 PM	48:00	6.95 pH	17.53 °C	1,006.0 µS/cm	1.80 mg/L	1.06 NTU	52.7 mV	70.08 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:17 PM	52:00	6.95 pH	17.51 °C	1,005.9 µS/cm	1.80 mg/L	0.47 NTU	52.5 mV	71.83 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:21 PM	56:00	6.95 pH	17.53 °C	1,008.0 µS/cm	1.78 mg/L	0.42 NTU	51.9 mV	72.65 ft	0.56 PSU	140.00 ml/min

1/25/2023 2:25 PM	01:00:00	6.94 pH	17.67 °C	1,008.3 µS/cm	1.72 mg/L	1.58 NTU	51.4 mV	73.77 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:29 PM	01:04:00	6.94 pH	17.53 °C	1,007.2 µS/cm	1.64 mg/L	1.94 NTU	51.4 mV	75.10 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:33 PM	01:08:00	6.93 pH	17.64 °C	1,008.7 µS/cm	1.55 mg/L	1.03 NTU	51.0 mV	76.21 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:37 PM	01:12:00	6.93 pH	17.53 °C	1,009.4 µS/cm	1.50 mg/L	0.41 NTU	50.8 mV	77.38 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:41 PM	01:16:00	6.92 pH	17.61 °C	1,009.2 µS/cm	1.43 mg/L	1.05 NTU	50.5 mV	78.44 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:45 PM	01:20:00	6.91 pH	17.76 °C	1,008.7 µS/cm	1.38 mg/L	0.27 NTU	50.0 mV	79.63 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:49 PM	01:24:00	6.91 pH	17.51 °C	1,009.5 µS/cm	1.30 mg/L	0.26 NTU	49.6 mV	79.63 ft	0.56 PSU	140.00 ml/min
1/25/2023 2:53 PM	01:28:00	6.91 pH	17.48 °C	1,014.6 µS/cm	1.29 mg/L	1.42 NTU	49.1 mV	79.63 ft	0.56 PSU	140.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 1/26/2023 1:48:25 PM

Project: Plant Bowen AP January 2023

Operator Name: Kevin Stephenson

Location Name: BGWC-8 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.01 ft Total Depth: 80.01 ft Initial Depth to Water: 40.76 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 75.01 ft Estimated Total Volume Pumped: 3920 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/26/2023 1:48 PM	00:00	7.26 pH	16.59 °C	353.08 µS/cm	5.34 mg/L	8.92 NTU	60.2 mV	40.77 ft	0.19 PSU	140.00 ml/min
1/26/2023 1:52 PM	04:00	7.29 pH	16.58 °C	350.20 µS/cm	5.27 mg/L	7.80 NTU	60.0 mV	40.77 ft	0.19 PSU	140.00 ml/min
1/26/2023 1:56 PM	08:00	7.30 pH	16.46 °C	351.28 µS/cm	5.26 mg/L	6.46 NTU	60.2 mV	40.77 ft	0.19 PSU	140.00 ml/min
1/26/2023 2:00 PM	12:00	7.31 pH	16.59 °C	351.74 µS/cm	5.22 mg/L	6.02 NTU	60.2 mV	40.77 ft	0.19 PSU	140.00 ml/min
1/26/2023 2:04 PM	16:00	7.32 pH	16.45 °C	351.80 µS/cm	5.18 mg/L	5.25 NTU	60.6 mV	40.77 ft	0.19 PSU	140.00 ml/min
1/26/2023 2:08 PM	20:00	7.33 pH	16.49 °C	352.86 µS/cm	5.13 mg/L	4.90 NTU	60.4 mV	40.77 ft	0.19 PSU	140.00 ml/min
1/26/2023 2:12 PM	24:00	7.33 pH	16.41 °C	355.12 µS/cm	5.06 mg/L	4.87 NTU	60.6 mV	40.77 ft	0.19 PSU	140.00 ml/min
1/26/2023 2:16 PM	28:00	7.34 pH	16.45 °C	357.17 µS/cm	4.95 mg/L	4.41 NTU	60.4 mV	40.77 ft	0.19 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-8	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/26/2023 2:36:15 PM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-9 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 53.74 ft Total Depth: 63.74 ft Initial Depth to Water: 23.46 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 58.74 ft Estimated Total Volume Pumped: 7200 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/26/2023 2:36 PM	00:00	7.25 pH	15.67 °C	613.44 µS/cm	2.13 mg/L	4.54 NTU	78.2 mV	23.46 ft	150.00 ml/min
1/26/2023 2:40 PM	04:00	7.12 pH	15.77 °C	611.92 µS/cm	0.83 mg/L	7.81 NTU	83.1 mV	23.46 ft	150.00 ml/min
1/26/2023 2:44 PM	08:00	7.10 pH	15.67 °C	598.91 µS/cm	0.95 mg/L	12.08 NTU	86.6 mV	23.47 ft	150.00 ml/min
1/26/2023 2:48 PM	12:00	7.09 pH	15.73 °C	582.04 µS/cm	1.29 mg/L	13.41 NTU	87.0 mV	23.47 ft	150.00 ml/min
1/26/2023 2:52 PM	16:00	7.09 pH	15.85 °C	574.14 µS/cm	1.50 mg/L	10.87 NTU	87.1 mV	23.47 ft	150.00 ml/min
1/26/2023 2:56 PM	20:00	7.08 pH	15.89 °C	573.56 µS/cm	1.56 mg/L	10.12 NTU	86.8 mV	23.47 ft	150.00 ml/min
1/26/2023 3:00 PM	24:00	7.08 pH	15.91 °C	563.19 µS/cm	1.83 mg/L	8.14 NTU	87.4 mV	23.47 ft	150.00 ml/min
1/26/2023 3:04 PM	28:00	7.07 pH	15.92 °C	558.77 µS/cm	2.00 mg/L	7.01 NTU	87.0 mV	23.47 ft	150.00 ml/min
1/26/2023 3:08 PM	32:00	7.06 pH	16.16 °C	554.46 µS/cm	2.11 mg/L	5.91 NTU	87.5 mV	23.48 ft	150.00 ml/min
1/26/2023 3:12 PM	36:00	7.06 pH	15.85 °C	549.39 µS/cm	2.22 mg/L	4.74 NTU	88.0 mV	23.48 ft	150.00 ml/min
1/26/2023 3:16 PM	40:00	7.05 pH	15.72 °C	549.72 µS/cm	2.28 mg/L	4.99 NTU	88.3 mV	23.48 ft	150.00 ml/min
1/26/2023 3:20 PM	44:00	7.05 pH	15.76 °C	545.77 µS/cm	2.38 mg/L	4.20 NTU	88.7 mV	23.48 ft	150.00 ml/min
1/26/2023 3:24 PM	48:00	7.04 pH	15.77 °C	544.85 µS/cm	2.41 mg/L	4.16 NTU	88.5 mV	23.48 ft	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-9	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/26/2023 12:12:34 PM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-10 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.37 ft Total Depth: 62.37 ft Initial Depth to Water: 44.1 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 57.37 ft Estimated Total Volume Pumped: 11280 ml Flow Cell Volume: 90 ml Final Flow Rate: 240 ml/min Final Draw Down: 8.3 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 16L

Water fell below screen, preformed complete evacuation

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/26/2023 12:12 PM	00:00	7.15 pH	15.35 °C	611.49 µS/cm	2.45 mg/L	0.97 NTU	52.1 mV	44.10 ft	150.00 ml/min
1/26/2023 12:16 PM	04:00	7.12 pH	15.76 °C	614.65 µS/cm	1.99 mg/L	0.53 NTU	37.8 mV	44.67 ft	150.00 ml/min
1/26/2023 12:20 PM	08:00	7.12 pH	15.69 °C	614.63 µS/cm	2.01 mg/L	0.57 NTU	35.2 mV	45.16 ft	100.00 ml/min
1/26/2023 12:24 PM	12:00	7.15 pH	14.77 °C	606.41 µS/cm	1.93 mg/L	0.50 NTU	35.9 mV	45.32 ft	100.00 ml/min
1/26/2023 12:28 PM	16:00	7.12 pH	14.86 °C	622.23 µS/cm	1.66 mg/L	0.41 NTU	24.5 mV	45.43 ft	100.00 ml/min
1/26/2023 12:32 PM	20:00	7.08 pH	15.63 °C	621.60 µS/cm	1.18 mg/L	0.25 NTU	14.0 mV	45.83 ft	100.00 ml/min
1/26/2023 12:36 PM	24:00	7.10 pH	15.58 °C	618.33 µS/cm	1.58 mg/L	0.72 NTU	17.4 mV	46.20 ft	100.00 ml/min
1/26/2023 12:40 PM	28:00	7.11 pH	15.51 °C	617.25 µS/cm	1.57 mg/L	0.31 NTU	14.1 mV	46.55 ft	100.00 ml/min
1/26/2023 12:44 PM	32:00	7.13 pH	15.25 °C	616.19 µS/cm	1.59 mg/L	0.42 NTU	13.6 mV	46.70 ft	100.00 ml/min
1/26/2023 12:48 PM	36:00	7.15 pH	14.55 °C	615.92 µS/cm	1.40 mg/L	0.35 NTU	14.1 mV	46.64 ft	100.00 ml/min
1/26/2023 12:52 PM	40:00	7.12 pH	14.95 °C	631.89 µS/cm	1.00 mg/L	0.13 NTU	3.8 mV	46.68 ft	100.00 ml/min
1/26/2023 12:56 PM	44:00	7.11 pH	15.35 °C	635.11 µS/cm	0.55 mg/L	0.15 NTU	-1.9 mV	46.80 ft	100.00 ml/min
1/26/2023 1:00 PM	48:00	7.12 pH	15.43 °C	631.01 µS/cm	0.76 mg/L	0.35 NTU	4.4 mV	47.06 ft	100.00 ml/min
1/26/2023 1:04 PM	52:00	7.14 pH	15.58 °C	625.11 µS/cm	1.09 mg/L	0.17 NTU	6.7 mV	47.26 ft	100.00 ml/min
1/26/2023 1:08 PM	56:00	7.15 pH	15.43 °C	622.97 µS/cm	1.19 mg/L	0.23 NTU	8.3 mV	47.49 ft	100.00 ml/min

1/26/2023 1:12 PM	01:00:00	7.14 pH	15.81 °C	624.36 µS/cm	1.21 mg/L	0.15 NTU	7.8 mV	47.81 ft	100.00 ml/min
1/26/2023 1:16 PM	01:04:00	7.15 pH	15.84 °C	622.97 µS/cm	1.38 mg/L	0.11 NTU	8.3 mV	48.10 ft	100.00 ml/min
1/26/2023 1:20 PM	01:08:00	7.16 pH	15.64 °C	618.96 µS/cm	1.38 mg/L	0.05 NTU	9.2 mV	48.33 ft	100.00 ml/min
1/26/2023 1:24 PM	01:12:00	7.16 pH	15.57 °C	619.86 µS/cm	1.30 mg/L	0.11 NTU	7.7 mV	48.51 ft	100.00 ml/min
1/26/2023 1:28 PM	01:16:00	7.16 pH	15.66 °C	618.53 µS/cm	1.22 mg/L	0.18 NTU	6.3 mV	48.82 ft	100.00 ml/min
1/26/2023 1:32 PM	01:20:00	7.17 pH	15.49 °C	622.26 µS/cm	1.34 mg/L	0.12 NTU	7.2 mV	49.07 ft	240.00 ml/min
1/26/2023 1:36 PM	01:24:00	7.16 pH	16.35 °C	620.37 µS/cm	1.58 mg/L	0.23 NTU	7.5 mV	49.90 ft	240.00 ml/min
1/26/2023 1:40 PM	01:28:00	7.18 pH	16.30 °C	615.72 µS/cm	2.14 mg/L	0.14 NTU	15.9 mV	50.82 ft	240.00 ml/min
1/26/2023 1:44 PM	01:32:00	7.19 pH	16.39 °C	615.53 µS/cm	2.36 mg/L	0.33 NTU	18.3 mV	52.40 ft	240.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 1/26/2023 10:07:41 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-12 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 68.28 ft Total Depth: 78.28 ft Initial Depth to Water: 33.45 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 73.28 ft Estimated Total Volume Pumped: 2405.2 ml Flow Cell Volume: 90 ml Final Flow Rate: 1.3 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/26/2023 10:07 AM	00:00	6.70 pH	16.39 °C	1,326.5 µS/cm	1.78 mg/L	3.41 NTU	146.8 mV	33.45 ft	150.00 ml/min
1/26/2023 10:11 AM	04:00	6.68 pH	16.21 °C	1,312.7 µS/cm	1.68 mg/L	3.49 NTU	130.3 mV	33.46 ft	150.00 ml/min
1/26/2023 10:15 AM	08:00	6.67 pH	15.94 °C	1,321.6 µS/cm	1.62 mg/L	2.99 NTU	123.9 mV	33.47 ft	150.00 ml/min
1/26/2023 10:19 AM	12:00	6.66 pH	15.98 °C	1,327.1 µS/cm	1.58 mg/L	3.21 NTU	121.8 mV	33.50 ft	150.00 ml/min
1/26/2023 10:23 AM	16:00	6.66 pH	16.16 °C	1,338.5 µS/cm	1.53 mg/L	3.50 NTU	119.1 mV	33.51 ft	1.30 ml/min
1/26/2023 10:27 AM	20:00	6.68 pH	15.78 °C	1,328.6 µS/cm	1.47 mg/L	2.67 NTU	116.2 mV	33.51 ft	1.30 ml/min

Samples

Sample ID:	Description:
BGWC-12	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/26/2023 10:00:16 AM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-14A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 89.46 ft Total Depth: 99.46 ft Initial Depth to Water: 68.39 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 94.46 ft Estimated Total Volume Pumped: 6120 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/26/2023 10:00 AM	00:00	6.90 pH	15.66 °C	1,039.5 µS/cm	0.77 mg/L	0.18 NTU	5.1 mV	68.40 ft	0.58 PSU	170.00 ml/min
1/26/2023 10:04 AM	04:00	6.93 pH	15.75 °C	1,023.3 µS/cm	0.38 mg/L	0.11 NTU	16.5 mV	68.40 ft	0.57 PSU	170.00 ml/min
1/26/2023 10:08 AM	08:00	6.95 pH	15.88 °C	1,000.2 µS/cm	0.29 mg/L	0.13 NTU	19.9 mV	68.40 ft	0.56 PSU	170.00 ml/min
1/26/2023 10:12 AM	12:00	6.95 pH	15.76 °C	969.60 µS/cm	0.25 mg/L	0.05 NTU	20.2 mV	68.40 ft	0.54 PSU	170.00 ml/min
1/26/2023 10:16 AM	16:00	6.95 pH	15.83 °C	942.21 µS/cm	0.25 mg/L	0.05 NTU	19.5 mV	68.40 ft	0.52 PSU	170.00 ml/min
1/26/2023 10:20 AM	20:00	6.94 pH	15.74 °C	921.64 µS/cm	0.25 mg/L	0.09 NTU	18.9 mV	68.40 ft	0.51 PSU	170.00 ml/min
1/26/2023 10:24 AM	24:00	6.93 pH	15.88 °C	897.00 µS/cm	0.25 mg/L	0.04 NTU	17.0 mV	68.40 ft	0.50 PSU	170.00 ml/min
1/26/2023 10:28 AM	28:00	6.92 pH	15.85 °C	879.46 µS/cm	0.26 mg/L	0.08 NTU	15.5 mV	68.40 ft	0.49 PSU	170.00 ml/min
1/26/2023 10:32 AM	32:00	6.92 pH	15.82 °C	862.61 µS/cm	0.27 mg/L	0.06 NTU	13.6 mV	68.40 ft	0.48 PSU	170.00 ml/min
1/26/2023 10:36 AM	36:00	6.91 pH	15.70 °C	850.83 µS/cm	0.27 mg/L	0.06 NTU	12.5 mV	68.40 ft	0.47 PSU	170.00 ml/min

Samples

Sample ID:	Description:
BGWC-14A	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/26/2023 11:30:00 AM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-16 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 38.87 ft Total Depth: 48.87 ft Initial Depth to Water: 12.32 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 43.87 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/26/2023 11:30 AM	00:00	6.89 pH	13.06 °C	1,205.2 µS/cm	1.45 mg/L	3.21 NTU	28.4 mV	12.40 ft	0.68 PSU	150.00 ml/min
1/26/2023 11:34 AM	04:00	6.67 pH	13.60 °C	1,178.4 µS/cm	0.42 mg/L	1.45 NTU	25.7 mV	12.41 ft	0.66 PSU	150.00 ml/min
1/26/2023 11:38 AM	08:00	6.60 pH	13.88 °C	1,174.7 µS/cm	0.39 mg/L	1.40 NTU	24.0 mV	12.42 ft	0.66 PSU	150.00 ml/min
1/26/2023 11:42 AM	12:00	6.57 pH	14.24 °C	1,182.5 µS/cm	0.39 mg/L	0.73 NTU	23.3 mV	12.42 ft	0.67 PSU	150.00 ml/min
1/26/2023 11:46 AM	16:00	6.56 pH	14.54 °C	1,181.3 µS/cm	0.38 mg/L	0.82 NTU	23.0 mV	12.42 ft	0.67 PSU	150.00 ml/min
1/26/2023 11:50 AM	20:00	6.56 pH	14.58 °C	1,175.1 µS/cm	0.34 mg/L	0.42 NTU	22.8 mV	12.42 ft	0.66 PSU	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-16	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/26/2023 12:53:20 PM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-17 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.39 ft Total Depth: 68.39 ft Initial Depth to Water: 11.03 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 63.39 ft Estimated Total Volume Pumped: 3040 ml Flow Cell Volume: 90 ml Final Flow Rate: 190 ml/min Final Draw Down: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/26/2023 12:53 PM	00:00	7.20 pH	15.60 °C	632.33 µS/cm	0.69 mg/L	0.29 NTU	11.7 mV	11.06 ft	0.35 PSU	190.00 ml/min
1/26/2023 12:57 PM	04:00	7.21 pH	15.89 °C	631.38 µS/cm	0.40 mg/L	0.25 NTU	16.3 mV	11.07 ft	0.35 PSU	190.00 ml/min
1/26/2023 1:01 PM	08:00	7.20 pH	16.07 °C	629.31 µS/cm	0.33 mg/L	0.20 NTU	17.8 mV	11.07 ft	0.34 PSU	190.00 ml/min
1/26/2023 1:05 PM	12:00	7.20 pH	16.10 °C	629.44 µS/cm	0.25 mg/L	0.23 NTU	18.0 mV	11.07 ft	0.34 PSU	190.00 ml/min
1/26/2023 1:09 PM	16:00	7.21 pH	16.08 °C	630.17 µS/cm	0.20 mg/L	0.22 NTU	18.0 mV	11.07 ft	0.35 PSU	190.00 ml/min

Samples

Sample ID:	Description:
BGWC-17	Metals, Inorganics, TDS, Radium
DUP-2	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/26/2023 2:25:13 PM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-18 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 27.95 ft Total Depth: 37.95 ft Initial Depth to Water: 8.29 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 32.95 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/26/2023 2:25 PM	00:00	6.55 pH	14.73 °C	387.57 µS/cm	2.91 mg/L	0.47 NTU	29.4 mV	8.34 ft	0.21 PSU	160.00 ml/min
1/26/2023 2:29 PM	04:00	6.34 pH	14.97 °C	359.27 µS/cm	2.91 mg/L	0.38 NTU	27.2 mV	8.34 ft	0.19 PSU	160.00 ml/min
1/26/2023 2:33 PM	08:00	6.26 pH	15.02 °C	354.01 µS/cm	2.90 mg/L	0.15 NTU	26.4 mV	8.34 ft	0.19 PSU	160.00 ml/min
1/26/2023 2:37 PM	12:00	6.23 pH	15.16 °C	355.26 µS/cm	2.93 mg/L	0.25 NTU	26.8 mV	8.35 ft	0.19 PSU	160.00 ml/min
1/26/2023 2:41 PM	16:00	6.22 pH	15.26 °C	352.25 µS/cm	2.88 mg/L	0.13 NTU	24.7 mV	8.35 ft	0.19 PSU	160.00 ml/min
1/26/2023 2:45 PM	20:00	6.21 pH	15.21 °C	351.18 µS/cm	2.87 mg/L	0.19 NTU	24.6 mV	8.35 ft	0.19 PSU	160.00 ml/min
1/26/2023 2:49 PM	24:00	6.20 pH	15.17 °C	347.99 µS/cm	2.84 mg/L	0.19 NTU	24.6 mV	8.35 ft	0.19 PSU	160.00 ml/min

Samples

Sample ID:	Description:
BGWC-18	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/27/2023 9:49:56 AM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-19 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.58 ft Total Depth: 54.58 ft Initial Depth to Water: 10.19 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 49.58 ft Estimated Total Volume Pumped: 4480 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.9 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/27/2023 9:49 AM	00:00	6.83 pH	14.62 °C	351.13 µS/cm	3.35 mg/L	1.24 NTU	110.4 mV	10.93 ft	0.19 PSU	160.00 ml/min
1/27/2023 9:53 AM	04:00	6.74 pH	14.70 °C	341.04 µS/cm	3.50 mg/L	0.98 NTU	70.6 mV	11.00 ft	0.18 PSU	160.00 ml/min
1/27/2023 9:57 AM	08:00	6.68 pH	15.21 °C	335.31 µS/cm	3.11 mg/L	1.21 NTU	52.6 mV	11.08 ft	0.18 PSU	160.00 ml/min
1/27/2023 10:01 AM	12:00	6.64 pH	15.17 °C	332.66 µS/cm	3.03 mg/L	1.42 NTU	44.4 mV	11.09 ft	0.18 PSU	160.00 ml/min
1/27/2023 10:05 AM	16:00	6.64 pH	15.26 °C	331.00 µS/cm	2.98 mg/L	1.61 NTU	39.6 mV	11.09 ft	0.18 PSU	160.00 ml/min
1/27/2023 10:09 AM	20:00	6.63 pH	15.26 °C	328.97 µS/cm	2.93 mg/L	1.62 NTU	37.1 mV	11.09 ft	0.18 PSU	160.00 ml/min
1/27/2023 10:13 AM	24:00	6.62 pH	15.12 °C	329.87 µS/cm	2.94 mg/L	2.21 NTU	35.2 mV	11.09 ft	0.18 PSU	160.00 ml/min
1/27/2023 10:17 AM	28:00	6.61 pH	15.46 °C	329.32 µS/cm	2.93 mg/L	2.15 NTU	34.5 mV	11.09 ft	0.18 PSU	160.00 ml/min

Samples

Sample ID:	Description:
BGWC-19	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/30/2023 10:16:38 AM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-20 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.73 ft Total Depth: 49.73 ft Initial Depth to Water: 13.49 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.73 ft Estimated Total Volume Pumped: 6720 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 8.18 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 4.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/30/2023 10:16 AM	00:00	7.14 pH	16.15 °C	1,719.5 µS/cm	2.76 mg/L	0.14 NTU	18.2 mV	19.15 ft	0.98 PSU	140.00 ml/min
1/30/2023 10:20 AM	04:00	7.15 pH	15.89 °C	1,757.5 µS/cm	2.48 mg/L	0.09 NTU	20.1 mV	19.40 ft	1.01 PSU	140.00 ml/min
1/30/2023 10:24 AM	08:00	7.15 pH	15.75 °C	1,754.7 µS/cm	2.27 mg/L	0.14 NTU	19.4 mV	19.70 ft	1.00 PSU	140.00 ml/min
1/30/2023 10:28 AM	12:00	7.15 pH	15.80 °C	1,758.8 µS/cm	2.14 mg/L	0.12 NTU	18.8 mV	19.98 ft	1.01 PSU	140.00 ml/min
1/30/2023 10:32 AM	16:00	7.16 pH	15.77 °C	1,762.3 µS/cm	2.00 mg/L	0.15 NTU	18.0 mV	20.26 ft	1.01 PSU	140.00 ml/min
1/30/2023 10:36 AM	20:00	7.16 pH	16.01 °C	1,768.8 µS/cm	1.89 mg/L	0.15 NTU	18.4 mV	20.52 ft	1.01 PSU	140.00 ml/min
1/30/2023 10:40 AM	24:00	7.16 pH	16.10 °C	1,771.3 µS/cm	1.77 mg/L	0.04 NTU	18.9 mV	20.74 ft	1.01 PSU	140.00 ml/min
1/30/2023 10:44 AM	28:00	7.17 pH	16.20 °C	1,765.9 µS/cm	1.64 mg/L	0.13 NTU	19.1 mV	20.95 ft	1.01 PSU	140.00 ml/min
1/30/2023 10:48 AM	32:00	7.17 pH	16.13 °C	1,767.9 µS/cm	1.54 mg/L	0.14 NTU	19.1 mV	21.12 ft	1.01 PSU	140.00 ml/min
1/30/2023 10:52 AM	36:00	7.17 pH	16.06 °C	1,770.7 µS/cm	1.45 mg/L	0.13 NTU	19.2 mV	21.28 ft	1.01 PSU	140.00 ml/min
1/30/2023 10:56 AM	40:00	7.16 pH	16.11 °C	1,768.6 µS/cm	1.37 mg/L	0.15 NTU	19.3 mV	21.42 ft	1.01 PSU	140.00 ml/min
1/30/2023 11:00 AM	44:00	7.18 pH	16.19 °C	1,764.1 µS/cm	1.27 mg/L	0.15 NTU	18.7 mV	21.55 ft	1.01 PSU	140.00 ml/min
1/30/2023 11:04 AM	48:00	7.18 pH	16.15 °C	1,763.0 µS/cm	1.21 mg/L	0.14 NTU	18.6 mV	21.67 ft	1.01 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-20	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/27/2023 12:50:51 PM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-21 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 42.99 ft Total Depth: 52.99 ft Initial Depth to Water: 18.76 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 47.99 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.38 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/27/2023 12:50 PM	00:00	7.62 pH	17.74 °C	415.54 µS/cm	0.90 mg/L	2.40 NTU	30.0 mV	19.14 ft	0.22 PSU	160.00 ml/min
1/27/2023 12:54 PM	04:00	7.68 pH	17.71 °C	426.47 µS/cm	0.84 mg/L	4.61 NTU	25.3 mV	19.14 ft	0.23 PSU	160.00 ml/min
1/27/2023 12:58 PM	08:00	7.71 pH	17.54 °C	431.63 µS/cm	0.89 mg/L	5.98 NTU	24.9 mV	19.14 ft	0.23 PSU	160.00 ml/min
1/27/2023 1:02 PM	12:00	7.73 pH	17.46 °C	434.36 µS/cm	0.91 mg/L	5.77 NTU	24.6 mV	19.14 ft	0.23 PSU	160.00 ml/min
1/27/2023 1:06 PM	16:00	7.76 pH	17.32 °C	433.91 µS/cm	0.86 mg/L	4.86 NTU	23.6 mV	19.14 ft	0.23 PSU	160.00 ml/min
1/27/2023 1:10 PM	20:00	7.76 pH	17.36 °C	434.62 µS/cm	0.78 mg/L	4.04 NTU	23.4 mV	19.14 ft	0.23 PSU	160.00 ml/min
1/27/2023 1:14 PM	24:00	7.76 pH	17.33 °C	435.62 µS/cm	0.74 mg/L	3.70 NTU	22.9 mV	19.14 ft	0.24 PSU	160.00 ml/min

Samples

Sample ID:	Description:
BGWC-21	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 2/7/2023 9:58:37 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-22 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.05 ft Total Depth: 43.05 ft Initial Depth to Water: 26.56 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 38.05 ft Estimated Total Volume Pumped: 5600 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

No sulfur smell & clean water

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/7/2023 9:58 AM	00:00	6.50 pH	15.45 °C	3,706.3 µS/cm	0.46 mg/L	4.30 NTU	131.9 mV	26.56 ft	100.00 ml/min
2/7/2023 10:02 AM	04:00	6.47 pH	15.90 °C	3,683.5 µS/cm	0.33 mg/L	5.16 NTU	128.8 mV	26.56 ft	100.00 ml/min
2/7/2023 10:06 AM	08:00	6.46 pH	16.24 °C	3,674.3 µS/cm	0.27 mg/L	5.71 NTU	120.0 mV	26.56 ft	100.00 ml/min
2/7/2023 10:10 AM	12:00	6.45 pH	16.33 °C	3,657.7 µS/cm	0.24 mg/L	6.47 NTU	115.4 mV	26.57 ft	100.00 ml/min
2/7/2023 10:14 AM	16:00	6.44 pH	16.26 °C	3,659.6 µS/cm	0.25 mg/L	7.22 NTU	112.9 mV	26.57 ft	100.00 ml/min
2/7/2023 10:18 AM	20:00	6.44 pH	16.39 °C	3,667.9 µS/cm	0.22 mg/L	6.61 NTU	111.5 mV	26.57 ft	100.00 ml/min
2/7/2023 10:22 AM	24:00	6.44 pH	16.57 °C	3,667.9 µS/cm	0.21 mg/L	4.31 NTU	110.4 mV	26.57 ft	100.00 ml/min
2/7/2023 10:26 AM	28:00	6.43 pH	16.59 °C	3,669.7 µS/cm	0.20 mg/L	2.81 NTU	109.8 mV	26.57 ft	100.00 ml/min
2/7/2023 10:30 AM	32:00	6.44 pH	16.74 °C	3,671.9 µS/cm	0.20 mg/L	2.72 NTU	109.3 mV	26.58 ft	100.00 ml/min
2/7/2023 10:34 AM	36:00	6.43 pH	16.86 °C	3,670.3 µS/cm	0.18 mg/L	2.35 NTU	108.5 mV	26.58 ft	100.00 ml/min
2/7/2023 10:38 AM	40:00	6.44 pH	16.93 °C	3,661.7 µS/cm	0.18 mg/L	2.00 NTU	107.7 mV	26.58 ft	100.00 ml/min
2/7/2023 10:42 AM	44:00	6.44 pH	17.10 °C	3,663.5 µS/cm	0.16 mg/L	1.80 NTU	107.0 mV	26.58 ft	100.00 ml/min
2/7/2023 10:46 AM	48:00	6.44 pH	17.19 °C	3,660.7 µS/cm	0.17 mg/L	1.52 NTU	106.4 mV	26.59 ft	100.00 ml/min
2/7/2023 10:50 AM	52:00	6.43 pH	17.23 °C	3,656.3 µS/cm	0.15 mg/L	1.19 NTU	106.3 mV	26.59 ft	100.00 ml/min
2/7/2023 10:54 AM	56:00	6.44 pH	17.28 °C	3,645.2 µS/cm	0.15 mg/L	0.85 NTU	106.3 mV	26.59 ft	100.00 ml/min

Samples

Sample ID:	Description:
BGWC-22	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 2/2/2023 9:36:26 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-23 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 40.95 ft Total Depth: 50.95 ft Initial Depth to Water: 32.2 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 45.95 ft Estimated Total Volume Pumped: 8400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.78 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/2/2023 9:36 AM	00:00	6.85 pH	15.67 °C	3,319.8 µS/cm	1.64 mg/L	15.20 NTU	-16.1 mV	32.20 ft	150.00 ml/min
2/2/2023 9:40 AM	04:00	6.80 pH	16.23 °C	3,135.0 µS/cm	1.17 mg/L	9.23 NTU	-12.0 mV	32.59 ft	150.00 ml/min
2/2/2023 9:44 AM	08:00	6.80 pH	16.33 °C	3,088.1 µS/cm	1.26 mg/L	5.93 NTU	-9.2 mV	32.76 ft	150.00 ml/min
2/2/2023 9:48 AM	12:00	6.80 pH	16.30 °C	3,094.6 µS/cm	1.40 mg/L	4.40 NTU	-3.6 mV	32.89 ft	150.00 ml/min
2/2/2023 9:52 AM	16:00	6.81 pH	16.32 °C	3,111.1 µS/cm	1.57 mg/L	3.49 NTU	-0.4 mV	32.93 ft	150.00 ml/min
2/2/2023 9:56 AM	20:00	6.81 pH	16.17 °C	3,143.5 µS/cm	1.74 mg/L	2.90 NTU	3.1 mV	32.96 ft	150.00 ml/min
2/2/2023 10:00 AM	24:00	6.80 pH	16.25 °C	3,182.0 µS/cm	1.90 mg/L	2.34 NTU	7.9 mV	32.97 ft	150.00 ml/min
2/2/2023 10:04 AM	28:00	6.80 pH	16.24 °C	3,208.4 µS/cm	2.06 mg/L	2.36 NTU	11.8 mV	32.99 ft	150.00 ml/min
2/2/2023 10:08 AM	32:00	6.80 pH	16.25 °C	3,241.2 µS/cm	2.20 mg/L	1.84 NTU	14.6 mV	32.98 ft	150.00 ml/min
2/2/2023 10:12 AM	36:00	6.80 pH	16.26 °C	3,271.1 µS/cm	2.32 mg/L	2.06 NTU	18.7 mV	32.98 ft	150.00 ml/min
2/2/2023 10:16 AM	40:00	6.80 pH	16.21 °C	3,294.5 µS/cm	2.47 mg/L	1.63 NTU	20.5 mV	32.98 ft	150.00 ml/min
2/2/2023 10:20 AM	44:00	6.80 pH	16.22 °C	3,318.2 µS/cm	2.60 mg/L	1.24 NTU	22.9 mV	32.98 ft	150.00 ml/min
2/2/2023 10:24 AM	48:00	6.80 pH	16.12 °C	3,339.2 µS/cm	2.71 mg/L	1.28 NTU	26.8 mV	32.98 ft	150.00 ml/min
2/2/2023 10:28 AM	52:00	6.80 pH	16.21 °C	3,348.7 µS/cm	2.85 mg/L	1.26 NTU	29.1 mV	32.98 ft	150.00 ml/min
2/2/2023 10:32 AM	56:00	6.80 pH	16.21 °C	3,369.0 µS/cm	2.90 mg/L	0.93 NTU	29.2 mV	32.98 ft	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-23	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 2/1/2023 1:48:08 PM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-24 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.11 ft Total Depth: 66.11 ft Initial Depth to Water: 12.48 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 61.11 ft Estimated Total Volume Pumped: 6760 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 6.3 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/1/2023 1:48 PM	00:00	6.63 pH	17.21 °C	3,282.2 µS/cm	0.24 mg/L	0.35 NTU	41.0 mV	16.35 ft	1.94 PSU	130.00 ml/min
2/1/2023 1:52 PM	04:00	6.64 pH	17.02 °C	3,268.8 µS/cm	0.24 mg/L	0.07 NTU	40.1 mV	16.55 ft	1.93 PSU	130.00 ml/min
2/1/2023 1:56 PM	08:00	6.64 pH	16.82 °C	3,308.1 µS/cm	0.23 mg/L	0.03 NTU	40.2 mV	16.83 ft	1.96 PSU	130.00 ml/min
2/1/2023 2:00 PM	12:00	6.65 pH	16.75 °C	3,278.8 µS/cm	0.21 mg/L	0.05 NTU	40.2 mV	17.10 ft	1.94 PSU	130.00 ml/min
2/1/2023 2:04 PM	16:00	6.65 pH	16.87 °C	3,316.0 µS/cm	0.21 mg/L	0.09 NTU	40.3 mV	17.34 ft	1.96 PSU	130.00 ml/min
2/1/2023 2:08 PM	20:00	6.66 pH	16.69 °C	3,289.9 µS/cm	0.21 mg/L	0.03 NTU	40.2 mV	17.54 ft	1.95 PSU	130.00 ml/min
2/1/2023 2:12 PM	24:00	6.65 pH	16.87 °C	3,343.1 µS/cm	0.21 mg/L	0.13 NTU	40.4 mV	17.73 ft	1.98 PSU	130.00 ml/min
2/1/2023 2:16 PM	28:00	6.67 pH	16.73 °C	3,299.5 µS/cm	0.19 mg/L	0.04 NTU	40.2 mV	17.92 ft	1.95 PSU	130.00 ml/min
2/1/2023 2:20 PM	32:00	6.66 pH	17.01 °C	3,321.5 µS/cm	0.18 mg/L	0.19 NTU	40.2 mV	18.08 ft	1.97 PSU	130.00 ml/min
2/1/2023 2:24 PM	36:00	6.66 pH	17.36 °C	3,318.5 µS/cm	0.18 mg/L	0.02 NTU	40.4 mV	18.23 ft	1.96 PSU	130.00 ml/min
2/1/2023 2:28 PM	40:00	6.67 pH	17.41 °C	3,294.6 µS/cm	0.17 mg/L	0.01 NTU	40.3 mV	18.39 ft	1.95 PSU	130.00 ml/min
2/1/2023 2:32 PM	44:00	6.67 pH	17.14 °C	3,324.5 µS/cm	0.17 mg/L	0.09 NTU	40.2 mV	18.52 ft	1.97 PSU	130.00 ml/min
2/1/2023 2:36 PM	48:00	6.68 pH	17.36 °C	3,321.2 µS/cm	0.16 mg/L	0.04 NTU	40.1 mV	18.65 ft	1.96 PSU	130.00 ml/min
2/1/2023 2:40 PM	52:00	6.68 pH	17.36 °C	3,308.2 µS/cm	0.16 mg/L	0.02 NTU	39.9 mV	18.78 ft	1.96 PSU	130.00 ml/min

Samples

Sample ID:	Description:
BGWC-24	Metals, Inorganics, TDS, Radium
DUP-4	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/27/2023 12:36:55 PM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-25 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 47.87 ft Total Depth: 57.87 ft Initial Depth to Water: 24.9 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 52.87 ft Estimated Total Volume Pumped: 6440 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 2.55 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 8L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/27/2023 12:36 PM	00:00	7.05 pH	16.44 °C	443.65 µS/cm	0.15 mg/L	0.45 NTU	-8.7 mV	24.90 ft	150.00 ml/min
1/27/2023 12:40 PM	04:00	7.06 pH	16.51 °C	447.61 µS/cm	0.12 mg/L	0.26 NTU	-4.4 mV	25.27 ft	150.00 ml/min
1/27/2023 12:44 PM	08:00	7.07 pH	16.53 °C	447.93 µS/cm	0.12 mg/L	0.26 NTU	-3.6 mV	25.60 ft	150.00 ml/min
1/27/2023 12:48 PM	12:00	7.08 pH	16.62 °C	448.77 µS/cm	0.14 mg/L	0.32 NTU	-2.9 mV	26.06 ft	150.00 ml/min
1/27/2023 12:52 PM	16:00	7.09 pH	16.52 °C	448.68 µS/cm	0.16 mg/L	0.31 NTU	-0.6 mV	26.56 ft	150.00 ml/min
1/27/2023 12:56 PM	20:00	7.09 pH	16.56 °C	448.68 µS/cm	0.16 mg/L	0.29 NTU	-3.0 mV	26.95 ft	150.00 ml/min
1/27/2023 1:00 PM	24:00	7.10 pH	16.55 °C	448.42 µS/cm	0.15 mg/L	0.30 NTU	-2.8 mV	27.17 ft	150.00 ml/min
1/27/2023 1:04 PM	28:00	7.10 pH	16.58 °C	449.37 µS/cm	0.15 mg/L	0.19 NTU	-6.3 mV	27.43 ft	140.00 ml/min
1/27/2023 1:08 PM	32:00	7.11 pH	16.59 °C	448.69 µS/cm	0.15 mg/L	0.18 NTU	-4.7 mV	27.44 ft	140.00 ml/min
1/27/2023 1:12 PM	36:00	7.13 pH	16.23 °C	444.82 µS/cm	0.17 mg/L	0.20 NTU	-1.3 mV	27.44 ft	140.00 ml/min
1/27/2023 1:16 PM	40:00	7.13 pH	16.24 °C	445.44 µS/cm	0.16 mg/L	0.14 NTU	-5.5 mV	27.44 ft	140.00 ml/min
1/27/2023 1:20 PM	44:00	7.14 pH	16.41 °C	445.71 µS/cm	0.14 mg/L	0.07 NTU	-11.4 mV	27.45 ft	140.00 ml/min

Samples

Sample ID:	Description:
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BGWC-25

Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/24/2023 11:26:13 AM

Project: Plant Bowen AP January 2023

Operator Name: Kevin Stephenson

Location Name: BGWA-29 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 89.03 ft Total Depth: 99.03 ft Initial Depth to Water: 44.4 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 94.03 ft Estimated Total Volume Pumped: 7280 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/24/2023 11:26 AM	00:00	7.43 pH	14.03 °C	216.22 µS/cm	7.93 mg/L	15.20 NTU	173.0 mV	44.40 ft	0.12 PSU	140.00 ml/min
1/24/2023 11:30 AM	04:00	7.40 pH	14.70 °C	205.45 µS/cm	7.88 mg/L	14.90 NTU	134.3 mV	44.40 ft	0.11 PSU	140.00 ml/min
1/24/2023 11:34 AM	08:00	7.41 pH	14.84 °C	202.24 µS/cm	8.07 mg/L	12.50 NTU	108.4 mV	44.40 ft	0.11 PSU	140.00 ml/min
1/24/2023 11:38 AM	12:00	7.49 pH	14.99 °C	201.35 µS/cm	8.17 mg/L	11.39 NTU	92.2 mV	44.40 ft	0.11 PSU	140.00 ml/min
1/24/2023 11:42 AM	16:00	7.53 pH	15.02 °C	200.03 µS/cm	8.27 mg/L	9.40 NTU	84.1 mV	44.40 ft	0.11 PSU	140.00 ml/min
1/24/2023 11:46 AM	20:00	7.57 pH	15.08 °C	198.25 µS/cm	8.36 mg/L	8.08 NTU	79.2 mV	44.40 ft	0.11 PSU	140.00 ml/min
1/24/2023 11:50 AM	24:00	7.62 pH	15.15 °C	196.95 µS/cm	8.42 mg/L	8.23 NTU	76.1 mV	44.40 ft	0.10 PSU	140.00 ml/min
1/24/2023 11:54 AM	28:00	7.65 pH	15.16 °C	195.77 µS/cm	8.47 mg/L	7.05 NTU	74.2 mV	44.40 ft	0.10 PSU	140.00 ml/min
1/24/2023 11:58 AM	32:00	7.69 pH	15.20 °C	194.43 µS/cm	8.50 mg/L	6.69 NTU	72.5 mV	44.40 ft	0.10 PSU	140.00 ml/min
1/24/2023 12:02 PM	36:00	7.71 pH	15.24 °C	194.06 µS/cm	8.57 mg/L	6.19 NTU	71.7 mV	44.40 ft	0.10 PSU	140.00 ml/min
1/24/2023 12:06 PM	40:00	7.73 pH	15.29 °C	192.65 µS/cm	8.58 mg/L	5.64 NTU	70.9 mV	44.40 ft	0.10 PSU	140.00 ml/min
1/24/2023 12:10 PM	44:00	7.73 pH	15.28 °C	192.84 µS/cm	8.66 mg/L	4.91 NTU	70.5 mV	44.40 ft	0.10 PSU	140.00 ml/min
1/24/2023 12:14 PM	48:00	7.76 pH	15.38 °C	192.28 µS/cm	8.70 mg/L	3.65 NTU	69.7 mV	44.40 ft	0.10 PSU	140.00 ml/min
1/24/2023 12:18 PM	52:00	7.77 pH	15.55 °C	192.15 µS/cm	8.71 mg/L	3.63 NTU	69.3 mV	44.40 ft	0.10 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWA-29	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 2/1/2023 2:14:13 PM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.98 ft Total Depth: 59.98 ft Initial Depth to Water: 22.3 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 54.98 ft Estimated Total Volume Pumped: 10200 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/1/2023 2:14 PM	00:00	7.13 pH	18.86 °C	939.99 µS/cm	4.75 mg/L	131.00 NTU	95.7 mV	22.30 ft	150.00 ml/min
2/1/2023 2:18 PM	04:00	7.14 pH	19.19 °C	949.64 µS/cm	3.95 mg/L	57.20 NTU	101.9 mV	22.31 ft	150.00 ml/min
2/1/2023 2:22 PM	08:00	7.14 pH	19.41 °C	951.50 µS/cm	3.86 mg/L	28.40 NTU	103.5 mV	22.31 ft	150.00 ml/min
2/1/2023 2:26 PM	12:00	7.14 pH	19.60 °C	952.49 µS/cm	3.81 mg/L	13.70 NTU	104.3 mV	22.31 ft	150.00 ml/min
2/1/2023 2:30 PM	16:00	7.14 pH	19.53 °C	952.80 µS/cm	3.79 mg/L	13.80 NTU	104.7 mV	22.31 ft	150.00 ml/min
2/1/2023 2:34 PM	20:00	7.14 pH	19.60 °C	952.73 µS/cm	3.78 mg/L	11.50 NTU	105.0 mV	22.31 ft	150.00 ml/min
2/1/2023 2:38 PM	24:00	7.15 pH	19.50 °C	950.47 µS/cm	3.79 mg/L	11.81 NTU	105.4 mV	22.31 ft	150.00 ml/min
2/1/2023 2:42 PM	28:00	7.14 pH	19.57 °C	950.43 µS/cm	3.82 mg/L	10.31 NTU	105.5 mV	22.31 ft	150.00 ml/min
2/1/2023 2:46 PM	32:00	7.14 pH	19.56 °C	949.70 µS/cm	3.81 mg/L	9.09 NTU	105.8 mV	22.31 ft	150.00 ml/min
2/1/2023 2:50 PM	36:00	7.15 pH	19.51 °C	948.57 µS/cm	3.83 mg/L	7.95 NTU	105.7 mV	22.31 ft	150.00 ml/min
2/1/2023 2:54 PM	40:00	7.14 pH	19.66 °C	949.09 µS/cm	3.83 mg/L	7.75 NTU	105.7 mV	22.31 ft	150.00 ml/min
2/1/2023 2:58 PM	44:00	7.15 pH	19.66 °C	947.34 µS/cm	3.82 mg/L	6.71 NTU	105.7 mV	22.31 ft	150.00 ml/min
2/1/2023 3:02 PM	48:00	7.15 pH	19.47 °C	946.73 µS/cm	3.83 mg/L	6.24 NTU	105.7 mV	22.31 ft	150.00 ml/min
2/1/2023 3:06 PM	52:00	7.15 pH	19.53 °C	946.41 µS/cm	3.83 mg/L	6.25 NTU	105.9 mV	22.31 ft	150.00 ml/min
2/1/2023 3:10 PM	56:00	7.14 pH	19.51 °C	947.99 µS/cm	3.85 mg/L	5.59 NTU	105.8 mV	22.31 ft	150.00 ml/min

2/1/2023 3:14 PM	01:00:00	7.15 pH	19.64 °C	945.39 µS/cm	3.83 mg/L	4.21 NTU	105.8 mV	22.31 ft	150.00 ml/min
2/1/2023 3:18 PM	01:04:00	7.15 pH	19.54 °C	946.28 µS/cm	3.84 mg/L	4.48 NTU	105.9 mV	22.31 ft	150.00 ml/min
2/1/2023 3:22 PM	01:08:00	7.15 pH	19.50 °C	944.73 µS/cm	3.84 mg/L	4.20 NTU	105.9 mV	22.31 ft	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-30	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/27/2023 10:56:34 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-31 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.7 ft Total Depth: 49.7 ft Initial Depth to Water: 13.46 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.7 ft Estimated Total Volume Pumped: 2800 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.12 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Sulfur smell & black specks

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/27/2023 10:56 AM	00:00	6.85 pH	14.76 °C	717.19 µS/cm	1.20 mg/L	1.38 NTU	-48.9 mV	13.46 ft	140.00 ml/min
1/27/2023 11:00 AM	04:00	6.72 pH	16.22 °C	720.51 µS/cm	0.21 mg/L	1.83 NTU	-30.7 mV	13.48 ft	140.00 ml/min
1/27/2023 11:04 AM	08:00	6.75 pH	16.43 °C	719.38 µS/cm	0.11 mg/L	1.39 NTU	-26.7 mV	13.50 ft	140.00 ml/min
1/27/2023 11:08 AM	12:00	6.77 pH	16.40 °C	716.33 µS/cm	0.08 mg/L	1.12 NTU	-21.5 mV	13.55 ft	140.00 ml/min
1/27/2023 11:12 AM	16:00	6.79 pH	16.35 °C	717.18 µS/cm	0.08 mg/L	1.15 NTU	-19.7 mV	13.57 ft	140.00 ml/min
1/27/2023 11:16 AM	20:00	6.80 pH	16.56 °C	714.58 µS/cm	0.08 mg/L	1.03 NTU	-18.9 mV	13.58 ft	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-31	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/30/2023 3:03:43 PM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-32 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41.22 ft Total Depth: 51.22 ft Initial Depth to Water: 34.74 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 46.22 ft Estimated Total Volume Pumped: 5992 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 4.82 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Increased pump rate to 170 mL/min at 52:00 to perform complete evac since DTW would not stabilize with sufficient volume to sample. DTW fell below TOP. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/30/2023 3:03 PM	00:00	7.30 pH	16.30 °C	1,557.6 µS/cm	1.51 mg/L	1.34 NTU	24.3 mV	36.70 ft	0.89 PSU	110.00 ml/min
1/30/2023 3:07 PM	04:00	7.30 pH	16.42 °C	1,539.0 µS/cm	1.29 mg/L	1.34 NTU	25.9 mV	36.89 ft	0.87 PSU	110.00 ml/min
1/30/2023 3:11 PM	08:00	7.29 pH	16.42 °C	1,549.7 µS/cm	1.40 mg/L	0.82 NTU	26.2 mV	37.13 ft	0.88 PSU	110.00 ml/min
1/30/2023 3:15 PM	12:00	7.29 pH	16.40 °C	1,562.5 µS/cm	1.45 mg/L	0.80 NTU	26.3 mV	37.39 ft	0.89 PSU	110.00 ml/min
1/30/2023 3:19 PM	16:00	7.28 pH	16.35 °C	1,576.1 µS/cm	1.50 mg/L	0.39 NTU	26.5 mV	37.67 ft	0.90 PSU	110.00 ml/min
1/30/2023 3:23 PM	20:00	7.28 pH	16.47 °C	1,582.0 µS/cm	1.59 mg/L	0.31 NTU	26.7 mV	37.92 ft	0.90 PSU	110.00 ml/min
1/30/2023 3:27 PM	24:00	7.28 pH	16.40 °C	1,590.5 µS/cm	1.56 mg/L	0.25 NTU	27.1 mV	38.13 ft	0.91 PSU	110.00 ml/min
1/30/2023 3:31 PM	28:00	7.28 pH	16.34 °C	1,612.6 µS/cm	1.50 mg/L	0.12 NTU	26.7 mV	38.35 ft	0.92 PSU	110.00 ml/min
1/30/2023 3:35 PM	32:00	7.28 pH	16.24 °C	1,625.8 µS/cm	1.46 mg/L	0.16 NTU	27.2 mV	38.53 ft	0.93 PSU	110.00 ml/min
1/30/2023 3:39 PM	36:00	7.27 pH	16.15 °C	1,654.6 µS/cm	1.37 mg/L	0.11 NTU	27.6 mV	38.69 ft	0.94 PSU	110.00 ml/min
1/30/2023 3:43 PM	40:00	7.26 pH	16.11 °C	1,672.3 µS/cm	1.32 mg/L	0.07 NTU	27.6 mV	38.85 ft	0.95 PSU	110.00 ml/min
1/30/2023 3:47 PM	44:00	7.26 pH	16.02 °C	1,695.0 µS/cm	1.36 mg/L	0.11 NTU	27.6 mV	39.04 ft	0.97 PSU	110.00 ml/min
1/30/2023 3:51 PM	48:00	7.25 pH	16.11 °C	1,717.4 µS/cm	1.36 mg/L	0.25 NTU	27.8 mV	39.24 ft	0.98 PSU	110.00 ml/min
1/30/2023 3:55 PM	52:00	7.24 pH	16.60 °C	1,721.3 µS/cm	1.55 mg/L	0.23 NTU	28.2 mV	39.56 ft	0.98 PSU	170.00 ml/min

1/30/2023 3:57 PM	53:36	7.25 pH	16.67 °C	1,707.9 µS/cm	1.71 mg/L		28.0 mV		0.98 PSU	170.00 ml/min
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Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 1/31/2023 10:41:42 AM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWA-33 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.84 ft Total Depth: 80.84 ft Initial Depth to Water: 68.79 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 79.84 ft Estimated Total Volume Pumped: 2100 ml Flow Cell Volume: 90 ml Final Flow Rate: 105 ml/min Final Draw Down: 2.89 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 0.25 L

Organics in water. Historically well is a complete evac with 48-hour recharge. DTW fell into screen interval. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/31/2023 10:41 AM	00:00	6.71 pH	14.77 °C	702.41 µS/cm	0.69 mg/L	2.74 NTU	-17.6 mV	69.85 ft	0.39 PSU	105.00 ml/min
1/31/2023 10:45 AM	04:00	6.75 pH	15.21 °C	694.46 µS/cm	0.34 mg/L	2.57 NTU	-21.4 mV	70.18 ft	0.38 PSU	105.00 ml/min
1/31/2023 10:49 AM	08:00	6.81 pH	15.32 °C	690.96 µS/cm	0.27 mg/L	1.76 NTU	-24.7 mV	70.63 ft	0.38 PSU	105.00 ml/min
1/31/2023 10:53 AM	12:00	6.84 pH	15.35 °C	691.36 µS/cm	0.23 mg/L	1.56 NTU	-24.4 mV	71.07 ft	0.38 PSU	105.00 ml/min
1/31/2023 10:57 AM	16:00	6.86 pH	15.41 °C	688.96 µS/cm	0.20 mg/L	2.01 NTU	-23.4 mV	71.37 ft	0.38 PSU	105.00 ml/min
1/31/2023 11:01 AM	20:00	6.87 pH	15.48 °C	683.82 µS/cm	0.18 mg/L	1.71 NTU	-20.3 mV	71.68 ft	0.38 PSU	105.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 1/30/2023 12:19:56 PM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-34D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 69.75 ft Total Depth: 79.75 ft Initial Depth to Water: 13.74 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 74.75 ft Estimated Total Volume Pumped: 9240 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 11.6 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 4 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/30/2023 12:19 PM	00:00	7.07 pH	16.60 °C	877.15 µS/cm	0.10 mg/L	0.10 NTU	-11.4 mV	19.58 ft	0.49 PSU	140.00 ml/min
1/30/2023 12:23 PM	04:00	7.08 pH	16.65 °C	882.57 µS/cm	0.12 mg/L	0.13 NTU	-5.0 mV	19.90 ft	0.49 PSU	140.00 ml/min
1/30/2023 12:27 PM	08:00	7.10 pH	16.65 °C	884.71 µS/cm	0.13 mg/L	0.29 NTU	-5.7 mV	20.38 ft	0.49 PSU	140.00 ml/min
1/30/2023 12:31 PM	12:00	7.10 pH	16.65 °C	885.65 µS/cm	0.14 mg/L	0.32 NTU	-6.3 mV	20.91 ft	0.49 PSU	140.00 ml/min
1/30/2023 12:35 PM	16:00	7.10 pH	16.74 °C	886.78 µS/cm	0.14 mg/L	0.11 NTU	-7.1 mV	21.36 ft	0.49 PSU	140.00 ml/min
1/30/2023 12:39 PM	20:00	7.10 pH	16.74 °C	886.93 µS/cm	0.15 mg/L	0.20 NTU	-7.9 mV	21.80 ft	0.49 PSU	140.00 ml/min
1/30/2023 12:43 PM	24:00	7.11 pH	16.69 °C	887.22 µS/cm	0.15 mg/L	0.16 NTU	-8.8 mV	22.21 ft	0.49 PSU	140.00 ml/min
1/30/2023 12:47 PM	28:00	7.11 pH	16.69 °C	886.69 µS/cm	0.15 mg/L	0.21 NTU	-10.1 mV	22.63 ft	0.49 PSU	140.00 ml/min
1/30/2023 12:51 PM	32:00	7.12 pH	16.74 °C	886.24 µS/cm	0.15 mg/L	0.17 NTU	-10.8 mV	23.03 ft	0.49 PSU	140.00 ml/min
1/30/2023 12:55 PM	36:00	7.12 pH	16.78 °C	886.41 µS/cm	0.16 mg/L	0.10 NTU	-12.0 mV	23.40 ft	0.49 PSU	140.00 ml/min
1/30/2023 12:59 PM	40:00	7.12 pH	16.74 °C	883.08 µS/cm	0.16 mg/L	0.06 NTU	-12.9 mV	23.76 ft	0.49 PSU	140.00 ml/min
1/30/2023 1:03 PM	44:00	7.13 pH	16.69 °C	883.15 µS/cm	0.16 mg/L	0.07 NTU	-13.3 mV	24.06 ft	0.49 PSU	110.00 ml/min
1/30/2023 1:07 PM	48:00	7.13 pH	16.71 °C	883.69 µS/cm	0.17 mg/L	0.08 NTU	-15.0 mV	24.31 ft	0.49 PSU	110.00 ml/min
1/30/2023 1:11 PM	52:00	7.13 pH	16.74 °C	881.29 µS/cm	0.18 mg/L	0.07 NTU	-16.0 mV	24.54 ft	0.49 PSU	110.00 ml/min
1/30/2023 1:15 PM	56:00	7.13 pH	16.74 °C	878.56 µS/cm	0.18 mg/L	0.17 NTU	-17.3 mV	24.78 ft	0.49 PSU	110.00 ml/min

1/30/2023 1:19 PM	01:00:00	7.15 pH	16.48 °C	877.07 µS/cm	0.18 mg/L	0.31 NTU	-18.1 mV	24.93 ft	0.49 PSU	110.00 ml/min
1/30/2023 1:23 PM	01:04:00	7.15 pH	16.42 °C	877.38 µS/cm	0.19 mg/L	0.01 NTU	-18.2 mV	25.07 ft	0.49 PSU	110.00 ml/min
1/30/2023 1:27 PM	01:08:00	7.15 pH	16.43 °C	876.40 µS/cm	0.20 mg/L	0.14 NTU	-19.1 mV	25.23 ft	0.49 PSU	110.00 ml/min
1/30/2023 1:31 PM	01:12:00	7.15 pH	16.51 °C	875.02 µS/cm	0.21 mg/L	0.07 NTU	-20.4 mV	25.34 ft	0.49 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-34D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/30/2023 9:42:42 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-35D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.94 ft Total Depth: 80.94 ft Initial Depth to Water: 30.19 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 75.94 ft Estimated Total Volume Pumped: 6400 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.52 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/30/2023 9:42 AM	00:00	6.72 pH	15.68 °C	3,585.7 µS/cm	1.88 mg/L	6.51 NTU	89.5 mV	30.19 ft	160.00 ml/min
1/30/2023 9:46 AM	04:00	6.76 pH	16.43 °C	3,588.7 µS/cm	0.36 mg/L	4.94 NTU	99.3 mV	30.36 ft	160.00 ml/min
1/30/2023 9:50 AM	08:00	6.77 pH	16.58 °C	3,686.3 µS/cm	0.22 mg/L	2.39 NTU	108.3 mV	30.46 ft	160.00 ml/min
1/30/2023 9:54 AM	12:00	6.76 pH	16.49 °C	3,803.7 µS/cm	0.20 mg/L	1.29 NTU	113.2 mV	30.48 ft	160.00 ml/min
1/30/2023 9:58 AM	16:00	6.76 pH	16.61 °C	3,889.9 µS/cm	0.17 mg/L	0.79 NTU	119.1 mV	30.54 ft	160.00 ml/min
1/30/2023 10:02 AM	20:00	6.70 pH	16.69 °C	3,910.8 µS/cm	0.16 mg/L	0.78 NTU	74.9 mV	30.57 ft	160.00 ml/min
1/30/2023 10:06 AM	24:00	6.65 pH	16.76 °C	3,925.7 µS/cm	0.16 mg/L	0.63 NTU	58.3 mV	30.62 ft	160.00 ml/min
1/30/2023 10:10 AM	28:00	6.67 pH	16.79 °C	3,914.0 µS/cm	0.16 mg/L	0.75 NTU	55.4 mV	30.65 ft	160.00 ml/min
1/30/2023 10:14 AM	32:00	6.70 pH	16.86 °C	3,919.4 µS/cm	0.16 mg/L	0.90 NTU	54.9 mV	30.68 ft	160.00 ml/min
1/30/2023 10:18 AM	36:00	6.73 pH	16.79 °C	3,899.3 µS/cm	0.16 mg/L	1.24 NTU	54.5 mV	30.69 ft	160.00 ml/min
1/30/2023 10:22 AM	40:00	6.75 pH	16.74 °C	3,889.9 µS/cm	0.16 mg/L	1.19 NTU	54.7 mV	30.71 ft	160.00 ml/min

Samples

Sample ID:	Description:
BGWC-35D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 2/1/2023 12:50:29 PM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-36D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 86.35 ft Total Depth: 96.35 ft Initial Depth to Water: 22.45 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 91.35 ft Estimated Total Volume Pumped: 7680 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/1/2023 12:50 PM	00:00	6.43 pH	16.27 °C	1,395.4 µS/cm	7.51 mg/L	0.37 NTU	95.7 mV	22.45 ft	160.00 ml/min
2/1/2023 12:54 PM	04:00	6.45 pH	19.07 °C	1,130.6 µS/cm	4.69 mg/L	0.49 NTU	102.3 mV	22.45 ft	160.00 ml/min
2/1/2023 12:58 PM	08:00	6.48 pH	19.45 °C	1,054.4 µS/cm	3.23 mg/L	1.26 NTU	104.2 mV	22.45 ft	160.00 ml/min
2/1/2023 1:02 PM	12:00	6.49 pH	19.68 °C	1,072.3 µS/cm	2.59 mg/L	1.08 NTU	104.8 mV	22.45 ft	160.00 ml/min
2/1/2023 1:06 PM	16:00	6.49 pH	19.82 °C	1,091.9 µS/cm	2.26 mg/L	1.00 NTU	105.5 mV	22.45 ft	160.00 ml/min
2/1/2023 1:10 PM	20:00	6.51 pH	19.74 °C	1,112.0 µS/cm	2.05 mg/L	0.73 NTU	106.0 mV	22.45 ft	160.00 ml/min
2/1/2023 1:14 PM	24:00	6.52 pH	19.60 °C	1,125.7 µS/cm	1.90 mg/L	0.72 NTU	106.1 mV	22.45 ft	160.00 ml/min
2/1/2023 1:18 PM	28:00	6.53 pH	19.74 °C	1,140.7 µS/cm	1.80 mg/L	0.61 NTU	106.6 mV	22.45 ft	160.00 ml/min
2/1/2023 1:22 PM	32:00	6.54 pH	19.79 °C	1,157.9 µS/cm	1.67 mg/L	0.49 NTU	106.4 mV	22.45 ft	160.00 ml/min
2/1/2023 1:26 PM	36:00	6.56 pH	19.87 °C	1,174.6 µS/cm	1.53 mg/L	0.32 NTU	106.3 mV	22.45 ft	160.00 ml/min
2/1/2023 1:30 PM	40:00	6.59 pH	19.74 °C	1,189.4 µS/cm	1.41 mg/L	0.23 NTU	106.1 mV	22.45 ft	160.00 ml/min
2/1/2023 1:34 PM	44:00	6.62 pH	19.82 °C	1,198.6 µS/cm	1.32 mg/L	0.18 NTU	106.1 mV	22.45 ft	160.00 ml/min
2/1/2023 1:38 PM	48:00	6.64 pH	19.86 °C	1,212.4 µS/cm	1.23 mg/L	0.16 NTU	105.9 mV	22.45 ft	160.00 ml/min

Samples

Sample ID:	Description:
BGWC-36D	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 1/30/2023 11:57:02 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-37D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.5 ft Total Depth: 109.5 ft Initial Depth to Water: 30.43 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104.5 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.17 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Sulfur smell and black specks observed at start of pump

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/30/2023 11:57 AM	00:00	6.95 pH	15.40 °C	998.78 µS/cm	2.94 mg/L	0.19 NTU	-103.6 mV	30.43 ft	100.00 ml/min
1/30/2023 12:01 PM	04:00	6.98 pH	16.51 °C	995.42 µS/cm	0.55 mg/L	0.50 NTU	-123.8 mV	30.51 ft	130.00 ml/min
1/30/2023 12:05 PM	08:00	7.08 pH	16.66 °C	1,011.5 µS/cm	0.28 mg/L	0.86 NTU	-87.8 mV	30.55 ft	130.00 ml/min
1/30/2023 12:09 PM	12:00	7.14 pH	16.61 °C	1,019.4 µS/cm	0.19 mg/L	0.77 NTU	-69.8 mV	30.56 ft	130.00 ml/min
1/30/2023 12:13 PM	16:00	7.18 pH	16.61 °C	1,024.8 µS/cm	0.14 mg/L	0.69 NTU	-63.9 mV	30.58 ft	130.00 ml/min
1/30/2023 12:17 PM	20:00	7.20 pH	16.58 °C	1,026.6 µS/cm	0.13 mg/L	0.40 NTU	-61.3 mV	30.59 ft	130.00 ml/min
1/30/2023 12:21 PM	24:00	7.21 pH	16.61 °C	1,029.9 µS/cm	0.13 mg/L	0.41 NTU	-59.9 mV	30.60 ft	130.00 ml/min

Samples

Sample ID:	Description:
BGWC-37D	Metals, Inorganics, TDS, Radium
DUP-3	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 2/7/2023 1:20:09 PM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-38D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 118.11 ft Total Depth: 128.11 ft Initial Depth to Water: 20.43 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 123.11 ft Estimated Total Volume Pumped: 14520 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 2 L

Prepurged water started with sulfur odor and a dark grayish-brown color with >1000 NTU. At the start of trolling, water was a cloudy white. Turbidity stabilized around 0.20 NTU.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/7/2023 1:20 PM	00:00	5.80 pH	21.20 °C	243.03 µS/cm	4.42 mg/L	20.30 NTU	38.8 mV	20.44 ft	0.13 PSU	110.00 ml/min
2/7/2023 1:24 PM	04:00	5.50 pH	21.33 °C	219.54 µS/cm	4.55 mg/L	12.30 NTU	40.4 mV	20.44 ft	0.12 PSU	110.00 ml/min
2/7/2023 1:28 PM	08:00	5.34 pH	21.09 °C	217.63 µS/cm	4.52 mg/L	6.72 NTU	41.2 mV	20.44 ft	0.11 PSU	110.00 ml/min
2/7/2023 1:32 PM	12:00	5.27 pH	21.09 °C	224.00 µS/cm	4.48 mg/L	3.06 NTU	41.1 mV	20.44 ft	0.12 PSU	110.00 ml/min
2/7/2023 1:36 PM	16:00	5.25 pH	21.01 °C	232.05 µS/cm	4.43 mg/L	2.08 NTU	41.6 mV	20.44 ft	0.12 PSU	110.00 ml/min
2/7/2023 1:40 PM	20:00	5.26 pH	20.97 °C	243.14 µS/cm	4.38 mg/L	1.59 NTU	42.0 mV	20.44 ft	0.13 PSU	110.00 ml/min
2/7/2023 1:44 PM	24:00	5.29 pH	21.01 °C	253.12 µS/cm	4.33 mg/L	1.30 NTU	42.4 mV	20.44 ft	0.13 PSU	110.00 ml/min
2/7/2023 1:48 PM	28:00	5.31 pH	21.02 °C	259.36 µS/cm	4.30 mg/L	1.29 NTU	42.5 mV	20.44 ft	0.14 PSU	110.00 ml/min
2/7/2023 1:52 PM	32:00	5.36 pH	21.03 °C	270.19 µS/cm	4.22 mg/L	0.89 NTU	42.4 mV	20.44 ft	0.14 PSU	110.00 ml/min
2/7/2023 1:56 PM	36:00	5.40 pH	21.02 °C	280.65 µS/cm	4.17 mg/L	0.91 NTU	42.3 mV	20.44 ft	0.15 PSU	110.00 ml/min
2/7/2023 2:00 PM	40:00	5.44 pH	21.06 °C	289.65 µS/cm	4.10 mg/L	0.60 NTU	42.2 mV	20.44 ft	0.15 PSU	110.00 ml/min
2/7/2023 2:04 PM	44:00	5.49 pH	21.02 °C	298.54 µS/cm	4.06 mg/L	0.53 NTU	41.4 mV	20.44 ft	0.16 PSU	110.00 ml/min
2/7/2023 2:08 PM	48:00	5.53 pH	20.98 °C	306.64 µS/cm	4.01 mg/L	0.49 NTU	41.4 mV	20.44 ft	0.16 PSU	110.00 ml/min
2/7/2023 2:12 PM	52:00	5.57 pH	21.02 °C	318.67 µS/cm	3.98 mg/L	0.68 NTU	41.4 mV	20.44 ft	0.17 PSU	110.00 ml/min

2/7/2023 2:16 PM	56:00	5.61 pH	21.02 °C	330.28 µS/cm	3.93 mg/L	0.51 NTU	41.2 mV	20.44 ft	0.18 PSU	110.00 ml/min
2/7/2023 2:20 PM	01:00:00	5.64 pH	21.19 °C	340.92 µS/cm	3.86 mg/L	0.61 NTU	41.3 mV	20.44 ft	0.18 PSU	110.00 ml/min
2/7/2023 2:24 PM	01:04:00	5.66 pH	21.23 °C	347.33 µS/cm	3.81 mg/L	0.47 NTU	41.3 mV	20.44 ft	0.19 PSU	110.00 ml/min
2/7/2023 2:28 PM	01:08:00	5.70 pH	21.33 °C	355.62 µS/cm	3.80 mg/L	0.42 NTU	40.4 mV	20.44 ft	0.19 PSU	110.00 ml/min
2/7/2023 2:32 PM	01:12:00	5.73 pH	21.30 °C	366.74 µS/cm	3.74 mg/L	0.42 NTU	39.5 mV	20.44 ft	0.20 PSU	110.00 ml/min
2/7/2023 2:36 PM	01:16:00	5.76 pH	21.37 °C	377.41 µS/cm	3.66 mg/L	0.29 NTU	39.5 mV	20.44 ft	0.20 PSU	110.00 ml/min
2/7/2023 2:40 PM	01:20:00	5.78 pH	21.44 °C	389.06 µS/cm	3.62 mg/L	0.31 NTU	39.4 mV	20.44 ft	0.21 PSU	110.00 ml/min
2/7/2023 2:44 PM	01:24:00	5.81 pH	21.33 °C	400.51 µS/cm	3.56 mg/L	0.30 NTU	39.2 mV	20.44 ft	0.21 PSU	110.00 ml/min
2/7/2023 2:48 PM	01:28:00	5.83 pH	21.11 °C	413.86 µS/cm	3.50 mg/L	0.20 NTU	39.0 mV	20.44 ft	0.22 PSU	110.00 ml/min
2/7/2023 2:52 PM	01:32:00	5.86 pH	20.86 °C	425.31 µS/cm	3.48 mg/L	0.16 NTU	39.0 mV	20.44 ft	0.23 PSU	110.00 ml/min
2/7/2023 2:56 PM	01:36:00	5.88 pH	20.71 °C	436.19 µS/cm	3.44 mg/L	0.27 NTU	39.3 mV	20.44 ft	0.23 PSU	110.00 ml/min
2/7/2023 3:00 PM	01:40:00	5.89 pH	21.06 °C	447.53 µS/cm	3.39 mg/L	0.24 NTU	39.6 mV	20.44 ft	0.24 PSU	110.00 ml/min
2/7/2023 3:04 PM	01:44:00	5.90 pH	21.02 °C	461.06 µS/cm	3.33 mg/L	0.11 NTU	39.6 mV	20.44 ft	0.25 PSU	110.00 ml/min
2/7/2023 3:08 PM	01:48:00	5.92 pH	21.11 °C	473.41 µS/cm	3.25 mg/L	0.13 NTU	39.4 mV	20.44 ft	0.25 PSU	110.00 ml/min
2/7/2023 3:12 PM	01:52:00	5.92 pH	21.10 °C	483.58 µS/cm	3.20 mg/L	0.26 NTU	39.4 mV	20.44 ft	0.26 PSU	110.00 ml/min
2/7/2023 3:16 PM	01:56:00	5.94 pH	21.04 °C	495.91 µS/cm	3.16 mg/L	0.26 NTU	39.4 mV	20.44 ft	0.27 PSU	110.00 ml/min
2/7/2023 3:20 PM	02:00:00	5.95 pH	21.15 °C	509.53 µS/cm	3.10 mg/L	0.22 NTU	39.5 mV	20.44 ft	0.27 PSU	110.00 ml/min
2/7/2023 3:24 PM	02:04:00	5.97 pH	21.20 °C	519.50 µS/cm	3.05 mg/L	0.25 NTU	39.2 mV	20.44 ft	0.28 PSU	110.00 ml/min
2/7/2023 3:28 PM	02:08:00	5.98 pH	21.23 °C	529.72 µS/cm	3.02 mg/L	0.26 NTU	39.4 mV	20.44 ft	0.29 PSU	110.00 ml/min
2/7/2023 3:32 PM	02:12:00	5.99 pH	21.15 °C	542.24 µS/cm	2.97 mg/L	0.23 NTU	39.2 mV	20.44 ft	0.29 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-38D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 2/1/2023 11:14:30 AM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-39 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 18.27 ft Total Depth: 28.27 ft Initial Depth to Water: 19.12 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 23.27 ft Estimated Total Volume Pumped: 12600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 4.11 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

DTW started in screen interval so 3 well volume method attempted. Drawdown did not stabilize so complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/1/2023 11:14 AM	00:00	6.83 pH	14.42 °C	1,678.7 µS/cm	1.09 mg/L	0.07 NTU	41.2 mV	19.69 ft	0.96 PSU	150.00 ml/min
2/1/2023 11:18 AM	04:00	6.82 pH	14.49 °C	1,660.4 µS/cm	1.03 mg/L	0.30 NTU	40.2 mV	19.76 ft	0.95 PSU	150.00 ml/min
2/1/2023 11:22 AM	08:00	6.82 pH	14.67 °C	1,617.7 µS/cm	0.96 mg/L	0.39 NTU	39.5 mV	19.86 ft	0.92 PSU	150.00 ml/min
2/1/2023 11:26 AM	12:00	6.83 pH	14.80 °C	1,530.3 µS/cm	0.96 mg/L	0.50 NTU	39.2 mV	19.97 ft	0.87 PSU	150.00 ml/min
2/1/2023 11:30 AM	16:00	6.85 pH	14.89 °C	1,394.4 µS/cm	1.17 mg/L	0.49 NTU	39.0 mV	20.09 ft	0.79 PSU	150.00 ml/min
2/1/2023 11:34 AM	20:00	6.84 pH	15.20 °C	1,329.0 µS/cm	1.16 mg/L	0.41 NTU	39.4 mV	20.24 ft	0.75 PSU	150.00 ml/min
2/1/2023 11:38 AM	24:00	6.84 pH	15.21 °C	1,300.7 µS/cm	1.06 mg/L	0.27 NTU	39.6 mV	20.39 ft	0.73 PSU	150.00 ml/min
2/1/2023 11:42 AM	28:00	6.85 pH	15.22 °C	1,312.8 µS/cm	1.01 mg/L	0.20 NTU	39.3 mV	20.54 ft	0.74 PSU	150.00 ml/min
2/1/2023 11:46 AM	32:00	6.86 pH	15.08 °C	1,327.3 µS/cm	0.93 mg/L	0.21 NTU	39.7 mV	20.70 ft	0.75 PSU	150.00 ml/min
2/1/2023 11:50 AM	36:00	6.85 pH	15.07 °C	1,342.4 µS/cm	0.90 mg/L	0.19 NTU	40.3 mV	20.88 ft	0.76 PSU	150.00 ml/min
2/1/2023 11:54 AM	40:00	6.85 pH	15.15 °C	1,379.9 µS/cm	0.82 mg/L	0.13 NTU	41.1 mV	21.05 ft	0.78 PSU	150.00 ml/min
2/1/2023 11:58 AM	44:00	6.86 pH	15.17 °C	1,391.2 µS/cm	0.78 mg/L	0.15 NTU	42.7 mV	21.24 ft	0.79 PSU	150.00 ml/min
2/1/2023 12:02 PM	48:00	6.86 pH	15.17 °C	1,418.4 µS/cm	0.76 mg/L	0.15 NTU	42.3 mV	21.43 ft	0.80 PSU	150.00 ml/min
2/1/2023 12:06 PM	52:00	6.89 pH	15.26 °C	1,446.0 µS/cm	0.74 mg/L	0.20 NTU	42.0 mV	21.61 ft	0.82 PSU	150.00 ml/min
2/1/2023 12:10 PM	56:00	6.88 pH	15.21 °C	1,469.6 µS/cm	0.72 mg/L	0.06 NTU	42.4 mV	21.80 ft	0.83 PSU	150.00 ml/min

2/1/2023 12:14 PM	01:00:00	6.90 pH	15.26 °C	1,492.4 µS/cm	0.73 mg/L	0.08 NTU	42.6 mV	21.99 ft	0.85 PSU	150.00 ml/min
2/1/2023 12:18 PM	01:04:00	6.91 pH	15.23 °C	1,541.2 µS/cm	0.74 mg/L	0.01 NTU	42.1 mV	22.15 ft	0.88 PSU	150.00 ml/min
2/1/2023 12:22 PM	01:08:00	6.91 pH	15.38 °C	1,560.9 µS/cm	0.76 mg/L	0.03 NTU	42.9 mV	22.34 ft	0.89 PSU	150.00 ml/min
2/1/2023 12:26 PM	01:12:00	6.93 pH	15.46 °C	1,565.2 µS/cm	0.79 mg/L	0.01 NTU	43.1 mV	22.51 ft	0.89 PSU	150.00 ml/min
2/1/2023 12:30 PM	01:16:00	6.91 pH	15.39 °C	1,592.2 µS/cm	0.84 mg/L	0.07 NTU	43.9 mV	22.69 ft	0.91 PSU	150.00 ml/min
2/1/2023 12:34 PM	01:20:00	6.92 pH	15.28 °C	1,589.5 µS/cm	0.86 mg/L	0.03 NTU	44.0 mV	22.92 ft	0.91 PSU	150.00 ml/min
2/1/2023 12:38 PM	01:24:00	6.91 pH	15.33 °C	1,621.6 µS/cm	1.03 mg/L	0.76 NTU	44.9 mV	23.23 ft	0.93 PSU	150.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 1/31/2023 10:15:18 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-40 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.74 ft Total Depth: 62.74 ft Initial Depth to Water: 22.19 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 57.74 ft Estimated Total Volume Pumped: 3400 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/31/2023 10:15 AM	00:00	6.86 pH	16.65 °C	1,035.1 µS/cm	0.86 mg/L	2.49 NTU	148.1 mV	22.19 ft	170.00 ml/min
1/31/2023 10:19 AM	04:00	6.86 pH	16.65 °C	1,033.5 µS/cm	0.58 mg/L	1.86 NTU	127.7 mV	22.21 ft	170.00 ml/min
1/31/2023 10:23 AM	08:00	6.86 pH	16.66 °C	1,031.3 µS/cm	0.48 mg/L	1.99 NTU	126.2 mV	22.23 ft	170.00 ml/min
1/31/2023 10:27 AM	12:00	6.86 pH	16.67 °C	1,030.5 µS/cm	0.45 mg/L	2.47 NTU	122.7 mV	22.23 ft	170.00 ml/min
1/31/2023 10:31 AM	16:00	6.86 pH	16.61 °C	1,028.2 µS/cm	0.44 mg/L	2.30 NTU	120.3 mV	22.23 ft	170.00 ml/min
1/31/2023 10:35 AM	20:00	6.86 pH	16.66 °C	1,027.8 µS/cm	0.45 mg/L	2.27 NTU	117.9 mV	22.23 ft	170.00 ml/min

Samples

Sample ID:	Description:
BGWC-40	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 2/1/2023 9:54:21 AM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-41D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 48.26 ft Total Depth: 58.26 ft Initial Depth to Water: 18.16 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 53.26 ft Estimated Total Volume Pumped: 2240 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 1.81 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/1/2023 9:54 AM	00:00	6.92 pH	15.02 °C	2,120.4 µS/cm	0.40 mg/L	0.22 NTU	-16.6 mV	19.58 ft	1.23 PSU	140.00 ml/min
2/1/2023 9:58 AM	04:00	6.95 pH	14.99 °C	2,102.8 µS/cm	0.38 mg/L	0.09 NTU	-10.9 mV	19.62 ft	1.22 PSU	140.00 ml/min
2/1/2023 10:02 AM	08:00	6.99 pH	15.00 °C	2,072.9 µS/cm	0.32 mg/L	0.01 NTU	-15.0 mV	19.77 ft	1.20 PSU	140.00 ml/min
2/1/2023 10:06 AM	12:00	7.02 pH	15.12 °C	2,046.4 µS/cm	0.30 mg/L	0.07 NTU	-17.2 mV	19.87 ft	1.18 PSU	140.00 ml/min
2/1/2023 10:10 AM	16:00	7.05 pH	15.17 °C	2,028.3 µS/cm	0.28 mg/L	0.01 NTU	-18.9 mV	19.97 ft	1.17 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-41D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/30/2023 2:00:50 PM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-42D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 143.74 ft Total Depth: 153.74 ft Initial Depth to Water: 31.31 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 148.74 ft Estimated Total Volume Pumped: 2880 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.31 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/30/2023 2:00 PM	00:00	7.02 pH	16.27 °C	1,006.9 µS/cm	2.05 mg/L	0.39 NTU	-189.1 mV	31.31 ft	120.00 ml/min
1/30/2023 2:04 PM	04:00	7.04 pH	16.92 °C	1,070.3 µS/cm	0.58 mg/L	0.19 NTU	-149.4 mV	31.48 ft	120.00 ml/min
1/30/2023 2:08 PM	08:00	7.04 pH	17.19 °C	1,208.5 µS/cm	0.32 mg/L	0.25 NTU	-132.6 mV	31.53 ft	120.00 ml/min
1/30/2023 2:12 PM	12:00	7.04 pH	16.94 °C	1,222.9 µS/cm	0.26 mg/L	0.39 NTU	-115.5 mV	31.56 ft	120.00 ml/min
1/30/2023 2:16 PM	16:00	7.04 pH	17.00 °C	1,230.6 µS/cm	0.22 mg/L	0.18 NTU	-99.6 mV	31.58 ft	120.00 ml/min
1/30/2023 2:20 PM	20:00	7.04 pH	17.01 °C	1,231.9 µS/cm	0.20 mg/L	0.23 NTU	-88.4 mV	31.60 ft	120.00 ml/min
1/30/2023 2:24 PM	24:00	7.04 pH	17.06 °C	1,224.0 µS/cm	0.19 mg/L	0.17 NTU	-80.5 mV	31.62 ft	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-42D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 2/7/2023 10:11:30 AM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-43D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 156.01 ft Total Depth: 166.01 ft Initial Depth to Water: 20.26 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 161.01 ft Estimated Total Volume Pumped: 9240 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 2 L

Prepurged water started with sulfur smell and grayish tan color with turbidity >1000 NTU. Start of trolling, water contained a very fine white sediment. Water still had sulfur smell at the end of trolling. Turbidity stabilized between 0.60-0.70.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/7/2023 10:11 AM	00:00	6.79 pH	18.66 °C	1,364.2 µS/cm	0.08 mg/L	12.50 NTU	-6.9 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:15 AM	04:00	6.80 pH	18.79 °C	1,370.3 µS/cm	0.07 mg/L	9.37 NTU	4.7 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:19 AM	08:00	6.81 pH	18.92 °C	1,365.9 µS/cm	0.06 mg/L	4.73 NTU	6.9 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:23 AM	12:00	6.82 pH	19.06 °C	1,361.2 µS/cm	0.05 mg/L	3.22 NTU	7.5 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:27 AM	16:00	6.84 pH	19.04 °C	1,360.1 µS/cm	0.05 mg/L	1.90 NTU	7.4 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:31 AM	20:00	6.97 pH	19.15 °C	1,360.0 µS/cm	0.04 mg/L	1.58 NTU	8.0 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:35 AM	24:00	7.01 pH	19.15 °C	1,361.1 µS/cm	0.04 mg/L	1.43 NTU	8.1 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:39 AM	28:00	7.02 pH	18.88 °C	1,370.3 µS/cm	0.04 mg/L	1.27 NTU	8.5 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:43 AM	32:00	7.02 pH	19.12 °C	1,365.4 µS/cm	0.03 mg/L	1.32 NTU	8.5 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:47 AM	36:00	7.02 pH	19.32 °C	1,363.4 µS/cm	0.03 mg/L	1.29 NTU	8.7 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:51 AM	40:00	7.02 pH	19.41 °C	1,367.0 µS/cm	0.03 mg/L	1.31 NTU	8.4 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:55 AM	44:00	7.03 pH	19.41 °C	1,363.4 µS/cm	0.02 mg/L	1.24 NTU	8.4 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 10:59 AM	48:00	7.03 pH	19.62 °C	1,365.5 µS/cm	0.02 mg/L	1.05 NTU	8.5 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 11:03 AM	52:00	7.02 pH	19.82 °C	1,366.0 µS/cm	0.02 mg/L	0.98 NTU	7.4 mV	20.27 ft	0.77 PSU	110.00 ml/min

2/7/2023 11:07 AM	56:00	7.03 pH	19.95 °C	1,366.6 µS/cm	0.02 mg/L	0.93 NTU	8.0 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 11:11 AM	01:00:00	7.02 pH	20.21 °C	1,365.9 µS/cm	0.02 mg/L	0.98 NTU	7.9 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 11:15 AM	01:04:00	7.02 pH	20.21 °C	1,369.9 µS/cm	0.01 mg/L	0.74 NTU	7.1 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 11:19 AM	01:08:00	7.03 pH	20.39 °C	1,368.2 µS/cm	0.01 mg/L	0.68 NTU	7.3 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 11:23 AM	01:12:00	7.03 pH	20.44 °C	1,369.0 µS/cm	0.01 mg/L	0.66 NTU	7.4 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 11:27 AM	01:16:00	7.03 pH	20.35 °C	1,364.4 µS/cm	0.01 mg/L	0.65 NTU	7.4 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 11:31 AM	01:20:00	7.03 pH	20.30 °C	1,369.8 µS/cm	0.01 mg/L	0.69 NTU	7.0 mV	20.27 ft	0.77 PSU	110.00 ml/min
2/7/2023 11:35 AM	01:24:00	7.03 pH	20.39 °C	1,372.0 µS/cm	0.01 mg/L	0.62 NTU	7.8 mV	20.27 ft	0.77 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-43D	Metals, Inorganics, TDS, Radium
DUP-5	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/25/2023 1:44:58 PM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-44D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 132.79 ft Total Depth: 142.79 ft Initial Depth to Water: 39.85 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 137.79 ft Estimated Total Volume Pumped: 2200 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 4.07 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 3.5 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/25/2023 1:44 PM	00:00	7.77 pH	18.21 °C	618.81 µS/cm	0.29 mg/L	0.92 NTU	7.6 mV	43.31 ft	0.34 PSU	110.00 ml/min
1/25/2023 1:48 PM	04:00	7.88 pH	18.43 °C	625.08 µS/cm	0.25 mg/L	0.71 NTU	6.7 mV	43.42 ft	0.34 PSU	110.00 ml/min
1/25/2023 1:52 PM	08:00	7.91 pH	18.48 °C	622.78 µS/cm	0.24 mg/L	0.91 NTU	7.7 mV	43.57 ft	0.34 PSU	110.00 ml/min
1/25/2023 1:56 PM	12:00	7.91 pH	18.30 °C	616.07 µS/cm	0.23 mg/L	0.73 NTU	9.3 mV	43.70 ft	0.34 PSU	110.00 ml/min
1/25/2023 2:00 PM	16:00	7.91 pH	17.81 °C	618.77 µS/cm	0.23 mg/L	0.87 NTU	11.0 mV	43.82 ft	0.34 PSU	110.00 ml/min
1/25/2023 2:04 PM	20:00	7.89 pH	17.90 °C	615.39 µS/cm	0.22 mg/L	0.72 NTU	12.2 mV	43.92 ft	0.34 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-44D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/24/2023 1:25:20 PM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWA-47D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 144.96 ft Total Depth: 154.96 ft Initial Depth to Water: 49.95 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 149.96 ft Estimated Total Volume Pumped: 2720 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/24/2023 1:25 PM	00:00	6.80 pH	18.29 °C	724.96 µS/cm	1.17 mg/L	0.91 NTU	11.0 mV	49.95 ft	140.00 ml/min
1/24/2023 1:29 PM	04:00	6.73 pH	18.23 °C	707.71 µS/cm	0.61 mg/L	3.75 NTU	61.9 mV	49.97 ft	140.00 ml/min
1/24/2023 1:33 PM	08:00	6.72 pH	18.35 °C	708.82 µS/cm	0.48 mg/L	5.75 NTU	77.7 mV	49.97 ft	100.00 ml/min
1/24/2023 1:37 PM	12:00	6.72 pH	18.40 °C	706.32 µS/cm	0.50 mg/L	5.47 NTU	84.8 mV	49.98 ft	100.00 ml/min
1/24/2023 1:41 PM	16:00	6.72 pH	18.40 °C	708.58 µS/cm	0.46 mg/L	4.91 NTU	88.4 mV	49.97 ft	100.00 ml/min
1/24/2023 1:45 PM	20:00	6.72 pH	18.41 °C	707.10 µS/cm	0.44 mg/L	4.85 NTU	91.0 mV	49.97 ft	100.00 ml/min
1/24/2023 1:49 PM	24:00	6.72 pH	18.45 °C	708.62 µS/cm	0.43 mg/L	3.06 NTU	92.5 mV	49.97 ft	100.00 ml/min

Samples

Sample ID:	Description:
BGWA-47D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/24/2023 10:51:00 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWA-48D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 184.79 ft Total Depth: 194.79 ft Initial Depth to Water: 50.98 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 189.79 ft Estimated Total Volume Pumped: 4000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 2.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/24/2023 10:51 AM	00:00	7.28 pH	15.61 °C	545.55 µS/cm	2.01 mg/L	0.33 NTU	20.7 mV	50.98 ft	100.00 ml/min
1/24/2023 10:55 AM	04:00	7.29 pH	15.76 °C	485.99 µS/cm	1.31 mg/L	0.60 NTU	9.2 mV	51.35 ft	100.00 ml/min
1/24/2023 10:59 AM	08:00	7.32 pH	15.95 °C	480.37 µS/cm	0.79 mg/L	1.20 NTU	23.7 mV	51.71 ft	100.00 ml/min
1/24/2023 11:03 AM	12:00	7.34 pH	16.15 °C	479.54 µS/cm	0.53 mg/L	1.33 NTU	38.2 mV	52.00 ft	100.00 ml/min
1/24/2023 11:07 AM	16:00	7.35 pH	16.31 °C	480.30 µS/cm	0.43 mg/L	1.47 NTU	43.5 mV	52.21 ft	100.00 ml/min
1/24/2023 11:11 AM	20:00	7.35 pH	16.30 °C	479.26 µS/cm	0.39 mg/L	1.51 NTU	45.2 mV	52.39 ft	100.00 ml/min
1/24/2023 11:15 AM	24:00	7.35 pH	16.29 °C	478.64 µS/cm	0.36 mg/L	1.65 NTU	45.6 mV	52.57 ft	100.00 ml/min
1/24/2023 11:19 AM	28:00	7.34 pH	16.11 °C	479.07 µS/cm	0.35 mg/L	1.36 NTU	42.3 mV	52.72 ft	100.00 ml/min
1/24/2023 11:23 AM	32:00	7.34 pH	16.22 °C	478.44 µS/cm	0.34 mg/L	1.34 NTU	38.0 mV	52.85 ft	100.00 ml/min
1/24/2023 11:27 AM	36:00	7.33 pH	16.33 °C	478.75 µS/cm	0.34 mg/L	1.27 NTU	30.9 mV	52.92 ft	100.00 ml/min
1/24/2023 11:31 AM	40:00	7.32 pH	16.45 °C	479.57 µS/cm	0.34 mg/L	1.23 NTU	24.8 mV	53.04 ft	100.00 ml/min

Samples

Sample ID:	Description:
BGWA-48D	Metals, Inorganics, TDS, Radium

DUP-1

Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/1/2023 9:49:48 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-49D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 300.68 ft Total Depth: 310.68 ft Initial Depth to Water: 25.71 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 305.68 ft Estimated Total Volume Pumped: 16460 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 14.52 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurge 4L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/1/2023 9:49 AM	00:00	6.99 pH	18.77 °C	2,152.9 µS/cm	0.11 mg/L	1.03 NTU	-40.8 mV	25.71 ft	200.00 ml/min
2/1/2023 9:53 AM	04:00	7.01 pH	18.76 °C	2,079.0 µS/cm	0.09 mg/L	0.55 NTU	-5.4 mV	26.80 ft	200.00 ml/min
2/1/2023 9:57 AM	08:00	7.03 pH	18.91 °C	2,084.2 µS/cm	0.08 mg/L	0.48 NTU	-0.4 mV	27.70 ft	200.00 ml/min
2/1/2023 10:01 AM	12:00	7.04 pH	18.94 °C	2,089.0 µS/cm	0.07 mg/L	0.38 NTU	-0.2 mV	28.62 ft	200.00 ml/min
2/1/2023 10:05 AM	16:00	7.05 pH	18.85 °C	2,087.4 µS/cm	0.06 mg/L	0.38 NTU	1.9 mV	29.54 ft	200.00 ml/min
2/1/2023 10:09 AM	20:00	7.06 pH	18.93 °C	2,085.5 µS/cm	0.06 mg/L	0.47 NTU	1.8 mV	30.39 ft	200.00 ml/min
2/1/2023 10:13 AM	24:00	7.07 pH	18.93 °C	2,080.2 µS/cm	0.06 mg/L	0.32 NTU	2.4 mV	31.97 ft	160.00 ml/min
2/1/2023 10:17 AM	28:00	7.08 pH	18.71 °C	2,080.0 µS/cm	0.05 mg/L	0.35 NTU	0.3 mV	31.23 ft	160.00 ml/min
2/1/2023 10:21 AM	32:00	7.09 pH	18.89 °C	2,080.6 µS/cm	0.05 mg/L	0.38 NTU	0.2 mV	32.45 ft	160.00 ml/min
2/1/2023 10:25 AM	36:00	7.09 pH	18.93 °C	2,083.3 µS/cm	0.05 mg/L	1.14 NTU	-0.1 mV	32.70 ft	160.00 ml/min
2/1/2023 10:29 AM	40:00	7.10 pH	18.85 °C	2,081.5 µS/cm	0.05 mg/L	0.29 NTU	0.4 mV	34.15 ft	160.00 ml/min
2/1/2023 10:33 AM	44:00	7.10 pH	18.92 °C	2,085.4 µS/cm	0.05 mg/L	0.43 NTU	-0.8 mV	34.85 ft	160.00 ml/min
2/1/2023 10:37 AM	48:00	7.11 pH	18.79 °C	2,079.3 µS/cm	0.04 mg/L	0.39 NTU	0.0 mV	35.49 ft	160.00 ml/min
2/1/2023 10:41 AM	52:00	7.11 pH	18.62 °C	2,076.1 µS/cm	0.04 mg/L	0.51 NTU	-1.5 mV	36.15 ft	150.00 ml/min
2/1/2023 10:45 AM	56:00	7.12 pH	18.50 °C	2,078.6 µS/cm	0.05 mg/L	0.28 NTU	-1.8 mV	36.63 ft	150.00 ml/min

2/1/2023 10:49 AM	01:00:00	7.13 pH	18.47 °C	2,074.0 µS/cm	0.05 mg/L	0.39 NTU	-1.4 mV	37.09 ft	140.00 ml/min
2/1/2023 10:53 AM	01:04:00	7.14 pH	18.22 °C	2,070.3 µS/cm	0.05 mg/L	0.46 NTU	0.4 mV	37.50 ft	140.00 ml/min
2/1/2023 10:57 AM	01:08:00	7.14 pH	18.01 °C	2,075.6 µS/cm	0.05 mg/L	0.78 NTU	-0.4 mV	37.81 ft	135.00 ml/min
2/1/2023 11:01 AM	01:12:00	7.14 pH	18.04 °C	2,074.2 µS/cm	0.05 mg/L	0.52 NTU	0.5 mV	38.12 ft	110.00 ml/min
2/1/2023 11:05 AM	01:16:00	7.15 pH	17.91 °C	2,070.5 µS/cm	0.06 mg/L	0.39 NTU	-0.3 mV	38.42 ft	110.00 ml/min
2/1/2023 11:09 AM	01:20:00	7.15 pH	17.86 °C	2,073.4 µS/cm	0.06 mg/L	0.46 NTU	-0.1 mV	38.68 ft	110.00 ml/min
2/1/2023 11:13 AM	01:24:00	7.16 pH	17.78 °C	2,066.0 µS/cm	0.05 mg/L	0.44 NTU	0.6 mV	38.87 ft	110.00 ml/min
2/1/2023 11:17 AM	01:28:00	7.15 pH	17.77 °C	2,078.8 µS/cm	0.06 mg/L	0.48 NTU	-1.8 mV	39.14 ft	110.00 ml/min
2/1/2023 11:21 AM	01:32:00	7.16 pH	17.70 °C	2,072.1 µS/cm	0.06 mg/L	0.58 NTU	-2.0 mV	39.34 ft	110.00 ml/min
2/1/2023 11:25 AM	01:36:00	7.16 pH	17.82 °C	2,066.1 µS/cm	0.06 mg/L	0.58 NTU	-3.0 mV	39.55 ft	110.00 ml/min
2/1/2023 11:29 AM	01:40:00	7.16 pH	17.81 °C	2,066.9 µS/cm	0.06 mg/L	0.53 NTU	-1.2 mV	39.74 ft	110.00 ml/min
2/1/2023 11:33 AM	01:44:00	7.16 pH	17.83 °C	2,071.6 µS/cm	0.06 mg/L	0.56 NTU	-3.8 mV	39.94 ft	100.00 ml/min
2/1/2023 11:37 AM	01:48:00	7.17 pH	17.74 °C	2,066.8 µS/cm	0.06 mg/L	0.46 NTU	-3.5 mV	40.08 ft	100.00 ml/min
2/1/2023 11:41 AM	01:52:00	7.17 pH	17.59 °C	2,069.8 µS/cm	0.06 mg/L	0.43 NTU	-4.6 mV	40.23 ft	100.00 ml/min

Samples

Sample ID:	Description:
BGWC-49D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/25/2023 3:00:03 PM

Project: Plant Bowen AP January 2023

Operator Name: William Laaker

Location Name: BGWC-50D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 177.28 ft Total Depth: 187.28 ft Initial Depth to Water: 41.3 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 182.28 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 2.32 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
1/25/2023 3:00 PM	00:00	7.06 pH	17.27 °C	796.47 µS/cm	0.46 mg/L	2.73 NTU	6.7 mV	42.65 ft	0.44 PSU	120.00 ml/min
1/25/2023 3:04 PM	04:00	6.97 pH	17.05 °C	1,067.2 µS/cm	0.38 mg/L	6.52 NTU	-17.8 mV	42.84 ft	0.60 PSU	120.00 ml/min
1/25/2023 3:08 PM	08:00	6.92 pH	17.14 °C	1,133.3 µS/cm	0.34 mg/L	5.99 NTU	-34.0 mV	43.04 ft	0.63 PSU	120.00 ml/min
1/25/2023 3:12 PM	12:00	6.92 pH	17.10 °C	1,137.7 µS/cm	0.30 mg/L	6.03 NTU	-40.4 mV	43.22 ft	0.64 PSU	120.00 ml/min
1/25/2023 3:16 PM	16:00	6.94 pH	16.84 °C	1,141.6 µS/cm	0.29 mg/L	5.66 NTU	-45.6 mV	43.35 ft	0.64 PSU	120.00 ml/min
1/25/2023 3:20 PM	20:00	6.95 pH	16.56 °C	1,141.6 µS/cm	0.28 mg/L	5.37 NTU	-47.7 mV	43.45 ft	0.64 PSU	120.00 ml/min
1/25/2023 3:24 PM	24:00	6.98 pH	16.42 °C	1,137.8 µS/cm	0.28 mg/L	4.88 NTU	-51.4 mV	43.51 ft	0.64 PSU	120.00 ml/min
1/25/2023 3:28 PM	28:00	7.00 pH	16.33 °C	1,128.9 µS/cm	0.27 mg/L	4.76 NTU	-53.2 mV	43.57 ft	0.63 PSU	120.00 ml/min
1/25/2023 3:32 PM	32:00	7.03 pH	16.38 °C	1,114.2 µS/cm	0.27 mg/L	4.62 NTU	-54.1 mV	43.62 ft	0.62 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-50D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/31/2023 11:55:10 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-51 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.29 ft Total Depth: 67.29 ft Initial Depth to Water: 34.11 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 62.29 ft Estimated Total Volume Pumped: 9600 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/31/2023 11:55 AM	00:00	7.12 pH	16.88 °C	790.08 µS/cm	2.22 mg/L	72.90 NTU	122.5 mV	34.11 ft	160.00 ml/min
1/31/2023 11:59 AM	04:00	7.01 pH	17.19 °C	804.68 µS/cm	1.52 mg/L	48.20 NTU	113.2 mV	34.11 ft	160.00 ml/min
1/31/2023 12:03 PM	08:00	6.96 pH	17.25 °C	808.93 µS/cm	1.61 mg/L	28.30 NTU	110.8 mV	34.11 ft	160.00 ml/min
1/31/2023 12:07 PM	12:00	6.95 pH	17.19 °C	813.41 µS/cm	1.60 mg/L	17.90 NTU	109.7 mV	34.11 ft	160.00 ml/min
1/31/2023 12:11 PM	16:00	6.94 pH	17.24 °C	817.78 µS/cm	1.60 mg/L	12.20 NTU	109.3 mV	34.11 ft	160.00 ml/min
1/31/2023 12:15 PM	20:00	6.94 pH	17.30 °C	822.38 µS/cm	1.57 mg/L	13.59 NTU	109.2 mV	34.11 ft	160.00 ml/min
1/31/2023 12:19 PM	24:00	6.93 pH	17.33 °C	821.65 µS/cm	1.60 mg/L	10.72 NTU	108.8 mV	34.11 ft	160.00 ml/min
1/31/2023 12:23 PM	28:00	6.93 pH	17.30 °C	823.68 µS/cm	1.59 mg/L	9.86 NTU	108.6 mV	34.11 ft	160.00 ml/min
1/31/2023 12:27 PM	32:00	6.91 pH	17.32 °C	825.34 µS/cm	1.66 mg/L	8.31 NTU	108.6 mV	34.11 ft	160.00 ml/min
1/31/2023 12:31 PM	36:00	6.91 pH	17.35 °C	827.27 µS/cm	1.70 mg/L	8.03 NTU	108.6 mV	34.11 ft	160.00 ml/min
1/31/2023 12:35 PM	40:00	6.91 pH	17.35 °C	828.86 µS/cm	1.68 mg/L	6.42 NTU	108.4 mV	34.11 ft	160.00 ml/min
1/31/2023 12:39 PM	44:00	6.90 pH	17.33 °C	830.10 µS/cm	1.68 mg/L	7.35 NTU	108.6 mV	34.11 ft	160.00 ml/min
1/31/2023 12:43 PM	48:00	6.89 pH	17.29 °C	832.26 µS/cm	1.73 mg/L	5.98 NTU	108.5 mV	34.11 ft	160.00 ml/min
1/31/2023 12:47 PM	52:00	6.89 pH	17.22 °C	833.57 µS/cm	1.74 mg/L	4.66 NTU	108.5 mV	34.11 ft	160.00 ml/min
1/31/2023 12:51 PM	56:00	6.88 pH	17.18 °C	835.49 µS/cm	1.77 mg/L	4.28 NTU	108.3 mV	34.11 ft	160.00 ml/min

1/31/2023 12:55 PM	01:00:00	6.87 pH	17.21 °C	838.27 µS/cm	1.78 mg/L	3.80 NTU	108.4 mV	34.11 ft	160.00 ml/min
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Samples

Sample ID:	Description:
BGWC-51	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 1/31/2023 2:19:18 PM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: BGWC-52 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 72.18 ft Total Depth: 82.18 ft Initial Depth to Water: 33.49 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 77.18 ft Estimated Total Volume Pumped: 4480 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
1/31/2023 2:19 PM	00:00	6.94 pH	15.85 °C	447.08 µS/cm	4.83 mg/L	1.94 NTU	96.8 mV	33.49 ft	140.00 ml/min
1/31/2023 2:23 PM	04:00	7.28 pH	16.79 °C	486.71 µS/cm	1.16 mg/L	13.13 NTU	81.2 mV	33.49 ft	140.00 ml/min
1/31/2023 2:27 PM	08:00	7.48 pH	16.94 °C	486.11 µS/cm	0.70 mg/L	10.93 NTU	76.2 mV	33.49 ft	140.00 ml/min
1/31/2023 2:31 PM	12:00	7.54 pH	16.99 °C	483.18 µS/cm	0.56 mg/L	11.33 NTU	65.2 mV	33.49 ft	140.00 ml/min
1/31/2023 2:35 PM	16:00	7.54 pH	16.99 °C	482.17 µS/cm	0.46 mg/L	6.88 NTU	39.0 mV	33.49 ft	140.00 ml/min
1/31/2023 2:39 PM	20:00	7.54 pH	17.01 °C	482.51 µS/cm	0.43 mg/L	4.49 NTU	32.6 mV	33.49 ft	140.00 ml/min
1/31/2023 2:43 PM	24:00	7.55 pH	17.06 °C	483.34 µS/cm	0.39 mg/L	3.57 NTU	37.9 mV	33.49 ft	140.00 ml/min
1/31/2023 2:47 PM	28:00	7.56 pH	17.11 °C	484.63 µS/cm	0.37 mg/L	4.43 NTU	40.2 mV	33.49 ft	140.00 ml/min
1/31/2023 2:51 PM	32:00	7.56 pH	17.09 °C	486.51 µS/cm	0.37 mg/L	2.98 NTU	41.8 mV	33.49 ft	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-52	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 2/2/2023 11:54:13 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

Location Name: PZ-7 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.3 ft Total Depth: 49.3 ft Initial Depth to Water: 16.62 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 44.3 ft Estimated Total Volume Pumped: 7040 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/2/2023 11:54 AM	00:00	7.34 pH	14.71 °C	626.81 µS/cm	2.59 mg/L	0.74 NTU	72.6 mV	16.62 ft	160.00 ml/min
2/2/2023 11:58 AM	04:00	7.25 pH	15.40 °C	615.72 µS/cm	1.67 mg/L	0.33 NTU	89.1 mV	16.62 ft	160.00 ml/min
2/2/2023 12:02 PM	08:00	7.21 pH	15.70 °C	624.82 µS/cm	1.38 mg/L	0.23 NTU	93.5 mV	16.63 ft	160.00 ml/min
2/2/2023 12:06 PM	12:00	7.19 pH	15.76 °C	631.48 µS/cm	1.22 mg/L	0.31 NTU	95.6 mV	16.63 ft	160.00 ml/min
2/2/2023 12:10 PM	16:00	7.17 pH	15.81 °C	631.74 µS/cm	1.18 mg/L	0.11 NTU	96.5 mV	16.63 ft	160.00 ml/min
2/2/2023 12:14 PM	20:00	7.16 pH	15.85 °C	635.88 µS/cm	1.11 mg/L	0.09 NTU	97.0 mV	16.63 ft	160.00 ml/min
2/2/2023 12:18 PM	24:00	6.74 pH	15.86 °C	659.29 µS/cm	0.84 mg/L	0.06 NTU	104.0 mV	16.63 ft	160.00 ml/min
2/2/2023 12:22 PM	28:00	6.52 pH	15.98 °C	669.07 µS/cm	0.78 mg/L	0.02 NTU	105.1 mV	16.63 ft	160.00 ml/min
2/2/2023 12:26 PM	32:00	6.45 pH	15.96 °C	670.82 µS/cm	0.75 mg/L	0.57 NTU	106.0 mV	16.63 ft	160.00 ml/min
2/2/2023 12:30 PM	36:00	6.43 pH	16.00 °C	673.16 µS/cm	0.73 mg/L	0.83 NTU	106.4 mV	16.63 ft	160.00 ml/min
2/2/2023 12:34 PM	40:00	6.42 pH	15.98 °C	675.12 µS/cm	0.72 mg/L	0.17 NTU	106.8 mV	16.63 ft	160.00 ml/min
2/2/2023 12:38 PM	44:00	6.40 pH	15.86 °C	677.03 µS/cm	0.71 mg/L	0.13 NTU	107.3 mV	16.63 ft	160.00 ml/min

Samples

Sample ID:	Description:
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PZ-7

Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

May 2023

Low-Flow Test Report:

Test Date / Time: 5/10/2023 12:21:19 PM

Project: Plant Bowen AP Resample May 2023

Operator Name: Meredith Duncan

Location Name: BGWC-23 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 40.95 ft Total Depth: 50.95 ft Initial Depth to Water: 32.07 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 38.05 ft Estimated Total Volume Pumped: 8400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 1.56 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/10/2023 12:21 PM	00:00	6.71 pH	19.80 °C	2,651.1 µS/cm	1.28 mg/L	7.40 NTU	44.4 mV	33.08 ft	150.00 ml/min
5/10/2023 12:25 PM	04:00	6.73 pH	19.69 °C	2,662.9 µS/cm	1.20 mg/L	5.19 NTU	50.8 mV	33.25 ft	150.00 ml/min
5/10/2023 12:29 PM	08:00	6.74 pH	19.69 °C	2,680.0 µS/cm	1.13 mg/L	4.27 NTU	52.7 mV	33.38 ft	150.00 ml/min
5/10/2023 12:33 PM	12:00	6.75 pH	19.82 °C	2,692.1 µS/cm	1.06 mg/L	3.49 NTU	53.3 mV	33.46 ft	150.00 ml/min
5/10/2023 12:37 PM	16:00	6.74 pH	19.73 °C	2,727.6 µS/cm	1.01 mg/L	3.55 NTU	55.6 mV	33.55 ft	150.00 ml/min
5/10/2023 12:41 PM	20:00	6.75 pH	19.96 °C	2,744.7 µS/cm	0.95 mg/L	3.53 NTU	57.6 mV	33.60 ft	150.00 ml/min
5/10/2023 12:45 PM	24:00	6.75 pH	19.99 °C	2,781.4 µS/cm	0.89 mg/L	2.64 NTU	58.6 mV	33.61 ft	150.00 ml/min
5/10/2023 12:49 PM	28:00	6.74 pH	20.18 °C	2,803.5 µS/cm	0.87 mg/L	2.90 NTU	60.3 mV	33.61 ft	150.00 ml/min
5/10/2023 12:53 PM	32:00	6.74 pH	20.30 °C	2,820.6 µS/cm	0.80 mg/L	1.91 NTU	62.7 mV	33.62 ft	150.00 ml/min
5/10/2023 12:57 PM	36:00	6.74 pH	20.12 °C	2,848.7 µS/cm	0.77 mg/L	2.07 NTU	64.5 mV	33.63 ft	150.00 ml/min
5/10/2023 1:01 PM	40:00	6.74 pH	20.36 °C	2,849.3 µS/cm	0.73 mg/L	2.21 NTU	65.3 mV	33.63 ft	150.00 ml/min
5/10/2023 1:05 PM	44:00	6.74 pH	20.22 °C	2,861.7 µS/cm	0.69 mg/L	1.40 NTU	67.3 mV	33.63 ft	150.00 ml/min
5/10/2023 1:09 PM	48:00	6.75 pH	20.18 °C	2,874.3 µS/cm	0.70 mg/L	3.04 NTU	67.5 mV	33.63 ft	150.00 ml/min
5/10/2023 1:13 PM	52:00	6.75 pH	19.99 °C	2,877.9 µS/cm	0.66 mg/L	2.00 NTU	70.5 mV	33.63 ft	150.00 ml/min
5/10/2023 1:17 PM	56:00	6.74 pH	20.34 °C	2,900.6 µS/cm	0.65 mg/L	0.84 NTU	69.2 mV	33.63 ft	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-23	Antimony
DUP-1	Antimony

August 2023

Low-Flow Test Report:

Test Date / Time: 8/21/2023 12:08:17 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWA-2 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 79.17 ft Total Depth: 89.17 ft Initial Depth to Water: 63.18 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 84.17 ft Estimated Total Volume Pumped: 12480 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 4 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/21/2023 12:08 PM	00:00	7.17 pH	21.94 °C	411.78 µS/cm	2.16 mg/L	17.10 NTU	98.8 mV	63.20 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:12 PM	04:00	7.17 pH	21.76 °C	411.02 µS/cm	2.11 mg/L	17.00 NTU	117.4 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:16 PM	08:00	7.18 pH	21.76 °C	409.09 µS/cm	2.06 mg/L	15.10 NTU	120.1 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:20 PM	12:00	7.18 pH	21.72 °C	408.63 µS/cm	2.08 mg/L	14.20 NTU	121.7 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:24 PM	16:00	7.18 pH	21.72 °C	408.19 µS/cm	2.09 mg/L	12.90 NTU	122.5 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:28 PM	20:00	7.19 pH	21.54 °C	406.92 µS/cm	2.13 mg/L	12.10 NTU	124.0 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:32 PM	24:00	7.19 pH	21.35 °C	407.74 µS/cm	2.10 mg/L	11.60 NTU	124.9 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:36 PM	28:00	7.20 pH	21.28 °C	406.51 µS/cm	2.12 mg/L	11.13 NTU	125.8 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:40 PM	32:00	7.20 pH	21.31 °C	405.69 µS/cm	2.20 mg/L	10.55 NTU	126.8 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:44 PM	36:00	7.21 pH	21.09 °C	404.70 µS/cm	2.25 mg/L	9.77 NTU	127.8 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:48 PM	40:00	7.22 pH	21.04 °C	403.66 µS/cm	2.32 mg/L	9.28 NTU	128.5 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:52 PM	44:00	7.22 pH	20.96 °C	404.34 µS/cm	2.39 mg/L	8.66 NTU	128.7 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 12:56 PM	48:00	7.23 pH	20.95 °C	404.74 µS/cm	2.47 mg/L	8.05 NTU	129.4 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:00 PM	52:00	7.24 pH	20.86 °C	405.33 µS/cm	2.54 mg/L	7.82 NTU	129.8 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:04 PM	56:00	7.23 pH	21.06 °C	406.72 µS/cm	2.59 mg/L	7.40 NTU	129.8 mV	63.21 ft	0.20 PSU	120.00 ml/min

8/21/2023 1:08 PM	01:00:00	7.23 pH	21.33 °C	405.47 µS/cm	2.62 mg/L	7.04 NTU	130.0 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:12 PM	01:04:00	7.23 pH	21.36 °C	405.25 µS/cm	2.65 mg/L	6.83 NTU	130.5 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:16 PM	01:08:00	7.23 pH	21.29 °C	407.37 µS/cm	2.73 mg/L	6.55 NTU	131.2 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:20 PM	01:12:00	7.22 pH	21.56 °C	408.40 µS/cm	2.78 mg/L	6.08 NTU	131.6 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:24 PM	01:16:00	7.22 pH	21.59 °C	408.46 µS/cm	2.82 mg/L	5.87 NTU	131.3 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:28 PM	01:20:00	7.21 pH	21.71 °C	409.53 µS/cm	2.87 mg/L	5.58 NTU	131.8 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:32 PM	01:24:00	7.21 pH	21.78 °C	409.70 µS/cm	2.92 mg/L	5.40 NTU	132.1 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:36 PM	01:28:00	7.21 pH	21.58 °C	408.36 µS/cm	2.95 mg/L	5.38 NTU	132.6 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:40 PM	01:32:00	7.21 pH	21.55 °C	409.84 µS/cm	3.00 mg/L	5.29 NTU	132.8 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:44 PM	01:36:00	7.20 pH	21.38 °C	409.43 µS/cm	3.03 mg/L	4.97 NTU	133.4 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:48 PM	01:40:00	7.19 pH	21.36 °C	411.06 µS/cm	3.10 mg/L	4.94 NTU	133.8 mV	63.21 ft	0.20 PSU	120.00 ml/min
8/21/2023 1:52 PM	01:44:00	7.18 pH	21.49 °C	410.58 µS/cm	3.13 mg/L	4.65 NTU	133.8 mV	63.21 ft	0.20 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWA-2	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/15/2023 12:56:22 PM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWA-6 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.74 ft Total Depth: 62.74 ft Initial Depth to Water: 48.71 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 57.74 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.18 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 3.5L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/15/2023 12:56 PM	00:00	7.06 pH	20.59 °C	552.41 µS/cm	1.57 mg/L	2.91 NTU	140.6 mV	48.83 ft	0.27 PSU	150.00 ml/min
8/15/2023 1:00 PM	04:00	7.00 pH	20.33 °C	553.84 µS/cm	0.84 mg/L	1.96 NTU	149.8 mV	48.83 ft	0.27 PSU	150.00 ml/min
8/15/2023 1:04 PM	08:00	6.97 pH	20.13 °C	554.98 µS/cm	0.67 mg/L	1.28 NTU	153.1 mV	48.83 ft	0.27 PSU	150.00 ml/min
8/15/2023 1:08 PM	12:00	6.95 pH	20.10 °C	556.76 µS/cm	0.60 mg/L	0.98 NTU	154.3 mV	48.84 ft	0.27 PSU	150.00 ml/min
8/15/2023 1:12 PM	16:00	6.94 pH	20.19 °C	555.06 µS/cm	0.56 mg/L	0.48 NTU	155.3 mV	48.84 ft	0.27 PSU	150.00 ml/min
8/15/2023 1:16 PM	20:00	6.93 pH	19.98 °C	555.97 µS/cm	0.54 mg/L	0.20 NTU	155.7 mV	48.86 ft	0.27 PSU	150.00 ml/min
8/15/2023 1:20 PM	24:00	6.93 pH	19.79 °C	554.66 µS/cm	0.52 mg/L	0.19 NTU	155.9 mV	48.89 ft	0.27 PSU	150.00 ml/min

Samples

Sample ID:	Description:
BGWA-6	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/16/2023 11:56:20 AM

Project: Plant Bowen AP August 2023

Operator Name: Kevin Stephenson

Location Name: BGWC-7 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 80.4 ft Total Depth: 90.4 ft Initial Depth to Water: 47.89 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 85.4 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 31.45 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 10 liters. WL dropped below top of screen. Complete evacuation method initiated. Samples will be collected 8/17.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/16/2023 11:56 AM	00:00	6.73 pH	21.32 °C	1,012.3 µS/cm	0.49 mg/L	0.68 NTU	153.6 mV	65.02 ft	0.51 PSU	240.00 ml/min
8/16/2023 12:00 PM	04:00	6.75 pH	20.74 °C	939.39 µS/cm	0.58 mg/L	0.63 NTU	130.5 mV	65.25 ft	0.47 PSU	240.00 ml/min
8/16/2023 12:04 PM	08:00	6.76 pH	20.98 °C	933.78 µS/cm	0.67 mg/L	0.49 NTU	116.9 mV	67.55 ft	0.46 PSU	240.00 ml/min
8/16/2023 12:08 PM	12:00	6.76 pH	20.78 °C	937.06 µS/cm	0.72 mg/L	0.78 NTU	109.0 mV	68.75 ft	0.47 PSU	240.00 ml/min
8/16/2023 12:12 PM	16:00	6.77 pH	20.89 °C	932.44 µS/cm	0.78 mg/L	1.09 NTU	103.9 mV	70.80 ft	0.46 PSU	240.00 ml/min
8/16/2023 12:16 PM	20:00	6.77 pH	21.02 °C	934.64 µS/cm	0.82 mg/L	0.58 NTU	100.2 mV	71.05 ft	0.47 PSU	240.00 ml/min
8/16/2023 12:20 PM	24:00	6.78 pH	20.98 °C	938.73 µS/cm	0.86 mg/L	0.74 NTU	97.7 mV	72.68 ft	0.47 PSU	240.00 ml/min
8/16/2023 12:24 PM	28:00	6.78 pH	20.97 °C	937.72 µS/cm	0.94 mg/L	0.52 NTU	95.4 mV	73.50 ft	0.47 PSU	240.00 ml/min
8/16/2023 12:28 PM	32:00	6.79 pH	20.73 °C	936.04 µS/cm	1.01 mg/L	0.55 NTU	93.8 mV	74.91 ft	0.47 PSU	240.00 ml/min
8/16/2023 12:32 PM	36:00	6.79 pH	20.87 °C	938.10 µS/cm	1.06 mg/L	2.02 NTU	92.1 mV	75.40 ft	0.47 PSU	140.00 ml/min
8/16/2023 12:36 PM	40:00	6.79 pH	21.02 °C	936.43 µS/cm	1.11 mg/L	0.78 NTU	90.7 mV	76.44 ft	0.47 PSU	140.00 ml/min
8/16/2023 12:40 PM	44:00	6.79 pH	21.05 °C	934.90 µS/cm	1.13 mg/L	0.76 NTU	89.3 mV	77.49 ft	0.47 PSU	140.00 ml/min
8/16/2023 12:44 PM	48:00	6.80 pH	21.02 °C	935.97 µS/cm	1.15 mg/L	1.47 NTU	88.7 mV	78.21 ft	0.47 PSU	140.00 ml/min
8/16/2023 12:48 PM	52:00	6.79 pH	21.14 °C	936.17 µS/cm	1.10 mg/L	0.70 NTU	87.7 mV	79.34 ft	0.47 PSU	140.00 ml/min
8/16/2023 12:52 PM	56:00	6.79 pH	21.38 °C	934.63 µS/cm	1.05 mg/L	1.85 NTU	86.9 mV	79.34 ft	0.47 PSU	140.00 ml/min

8/16/2023 12:56 PM	01:00:00	6.80 pH	21.08 °C	951.32 µS/cm	0.94 mg/L	0.94 NTU	84.9 mV	79.34 ft	0.47 PSU	140.00 ml/min
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Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/17/2023 10:05:25 AM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-7 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 80.4 ft Total Depth: 90.4 ft Initial Depth to Water: 65.41 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 85.4 ft Estimated Total Volume Pumped: 160 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 1.09 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Complete evac performed on 8/16/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/17/2023 10:05 AM	00:00	6.82 pH	20.96 °C	996.59 µS/cm	2.55 mg/L	1.29 NTU	145.7 mV	66.50 ft	0.50 PSU	120.00 ml/min
8/17/2023 10:05 AM	00:20	6.82 pH	20.91 °C	996.37 µS/cm	2.50 mg/L		130.2 mV	66.50 ft	0.50 PSU	120.00 ml/min
8/17/2023 10:06 AM	00:40	6.81 pH	20.78 °C	983.83 µS/cm	2.44 mg/L		120.8 mV	66.50 ft	0.49 PSU	120.00 ml/min
8/17/2023 10:06 AM	01:00	6.80 pH	20.73 °C	985.63 µS/cm	2.31 mg/L		115.7 mV	66.50 ft	0.49 PSU	120.00 ml/min
8/17/2023 10:06 AM	01:20	6.79 pH	20.66 °C	978.06 µS/cm	2.19 mg/L	1.27 NTU	111.4 mV	66.50 ft	0.49 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-7	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/16/2023 2:06:15 PM

Project: Plant Bowen AP August 2023

Operator Name: Kevin Stephenson

Location Name: BGWC-8 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 69.73 ft Total Depth: 79.73 ft Initial Depth to Water: 48.36 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 74.73 ft Estimated Total Volume Pumped: 2800 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2.5 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/16/2023 2:06 PM	00:00	7.20 pH	24.98 °C	320.20 µS/cm	5.08 mg/L	4.70 NTU	102.0 mV	48.36 ft	0.15 PSU	140.00 ml/min
8/16/2023 2:10 PM	04:00	7.31 pH	22.94 °C	327.12 µS/cm	5.30 mg/L	4.49 NTU	96.4 mV	48.36 ft	0.16 PSU	140.00 ml/min
8/16/2023 2:14 PM	08:00	7.33 pH	23.32 °C	329.06 µS/cm	5.28 mg/L	4.26 NTU	96.3 mV	48.36 ft	0.16 PSU	140.00 ml/min
8/16/2023 2:18 PM	12:00	7.35 pH	23.79 °C	328.37 µS/cm	5.20 mg/L	3.40 NTU	96.8 mV	48.36 ft	0.16 PSU	140.00 ml/min
8/16/2023 2:22 PM	16:00	7.35 pH	24.00 °C	328.20 µS/cm	5.14 mg/L	3.23 NTU	97.7 mV	48.36 ft	0.16 PSU	140.00 ml/min
8/16/2023 2:26 PM	20:00	7.36 pH	24.20 °C	327.18 µS/cm	5.04 mg/L	2.93 NTU	98.8 mV	48.36 ft	0.16 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-8	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/17/2023 12:30:41 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-9 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 53.74 ft Total Depth: 63.74 ft Initial Depth to Water: 33.97 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 58.74 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/17/2023 12:30 PM	00:00	6.55 pH	20.82 °C	615.50 µS/cm	0.34 mg/L	4.79 NTU	-1.4 mV	34.04 ft	0.30 PSU	140.00 ml/min
8/17/2023 12:34 PM	04:00	6.60 pH	20.91 °C	602.72 µS/cm	0.37 mg/L	4.92 NTU	15.8 mV	34.05 ft	0.30 PSU	140.00 ml/min
8/17/2023 12:38 PM	08:00	6.68 pH	20.94 °C	595.63 µS/cm	0.41 mg/L	4.18 NTU	25.0 mV	34.05 ft	0.29 PSU	140.00 ml/min
8/17/2023 12:42 PM	12:00	6.73 pH	20.73 °C	593.79 µS/cm	0.44 mg/L	3.95 NTU	28.3 mV	34.05 ft	0.29 PSU	140.00 ml/min
8/17/2023 12:46 PM	16:00	6.77 pH	20.34 °C	590.33 µS/cm	0.51 mg/L	3.33 NTU	32.9 mV	34.05 ft	0.29 PSU	140.00 ml/min
8/17/2023 12:50 PM	20:00	6.77 pH	20.69 °C	591.38 µS/cm	0.59 mg/L	2.82 NTU	34.1 mV	34.05 ft	0.29 PSU	140.00 ml/min
8/17/2023 12:54 PM	24:00	6.79 pH	20.58 °C	592.15 µS/cm	0.60 mg/L	2.19 NTU	35.2 mV	34.05 ft	0.29 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-9	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/16/2023 12:49:04 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-10 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.37 ft Total Depth: 62.37 ft Initial Depth to Water: 31.44 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 57.37 ft Estimated Total Volume Pumped: 15720 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 19.7 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Drawdown historically does not stabilize above screen interval. Pump rate lowered to 100 mL/min at 44:00 to stabilize drawdown. MP50 failed; will replace and continue troling.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/16/2023 12:49 PM	00:00	7.27 pH	19.05 °C	579.29 µS/cm	4.06 mg/L	0.01 NTU	100.0 mV	35.10 ft	0.28 PSU	230.00 ml/min
8/16/2023 12:53 PM	04:00	7.27 pH	19.15 °C	576.76 µS/cm	4.21 mg/L	0.04 NTU	113.7 mV	36.15 ft	0.28 PSU	230.00 ml/min
8/16/2023 12:57 PM	08:00	7.27 pH	18.95 °C	576.07 µS/cm	4.23 mg/L	0.05 NTU	117.1 mV	37.54 ft	0.28 PSU	230.00 ml/min
8/16/2023 1:01 PM	12:00	7.27 pH	18.97 °C	576.51 µS/cm	4.25 mg/L	0.11 NTU	118.8 mV	38.91 ft	0.28 PSU	230.00 ml/min
8/16/2023 1:05 PM	16:00	7.27 pH	18.95 °C	576.65 µS/cm	4.23 mg/L	0.02 NTU	120.2 mV	40.25 ft	0.28 PSU	230.00 ml/min
8/16/2023 1:09 PM	20:00	7.27 pH	18.96 °C	576.60 µS/cm	4.22 mg/L	0.03 NTU	121.5 mV	41.65 ft	0.28 PSU	230.00 ml/min
8/16/2023 1:13 PM	24:00	7.27 pH	19.12 °C	578.53 µS/cm	4.18 mg/L	0.01 NTU	122.1 mV	42.85 ft	0.28 PSU	230.00 ml/min
8/16/2023 1:17 PM	28:00	7.27 pH	18.93 °C	580.20 µS/cm	4.14 mg/L	0.03 NTU	123.2 mV	44.18 ft	0.28 PSU	230.00 ml/min
8/16/2023 1:21 PM	32:00	7.26 pH	19.08 °C	579.75 µS/cm	4.09 mg/L	0.01 NTU	123.8 mV	45.41 ft	0.28 PSU	230.00 ml/min
8/16/2023 1:25 PM	36:00	7.26 pH	19.31 °C	580.98 µS/cm	3.99 mg/L	0.03 NTU	123.8 mV	46.60 ft	0.28 PSU	230.00 ml/min
8/16/2023 1:29 PM	40:00	7.26 pH	19.22 °C	579.71 µS/cm	3.88 mg/L	0.06 NTU	124.6 mV	47.72 ft	0.28 PSU	230.00 ml/min
8/16/2023 1:33 PM	44:00	7.23 pH	20.56 °C	584.43 µS/cm	3.84 mg/L	0.02 NTU	123.8 mV	48.26 ft	0.29 PSU	100.00 ml/min
8/16/2023 1:37 PM	48:00	7.22 pH	21.12 °C	580.34 µS/cm	3.62 mg/L	0.01 NTU	123.6 mV	48.54 ft	0.28 PSU	100.00 ml/min
8/16/2023 1:41 PM	52:00	7.22 pH	20.69 °C	581.11 µS/cm	3.33 mg/L	0.03 NTU	124.6 mV	48.83 ft	0.28 PSU	100.00 ml/min

8/16/2023 1:45 PM	56:00	7.22 pH	20.24 °C	581.30 µS/cm	2.97 mg/L	0.07 NTU	124.4 mV	49.11 ft	0.28 PSU	100.00 ml/min
8/16/2023 1:49 PM	01:00:00	7.18 pH	21.32 °C	585.55 µS/cm	2.74 mg/L	0.05 NTU	113.6 mV	49.40 ft	0.29 PSU	100.00 ml/min
8/16/2023 1:53 PM	01:04:00	7.16 pH	21.91 °C	583.80 µS/cm	2.57 mg/L	0.02 NTU	85.4 mV	49.65 ft	0.29 PSU	100.00 ml/min
8/16/2023 1:57 PM	01:08:00	7.12 pH	22.09 °C	581.02 µS/cm	2.45 mg/L	0.02 NTU	57.2 mV	49.91 ft	0.28 PSU	100.00 ml/min
8/16/2023 2:01 PM	01:12:00	7.09 pH	21.98 °C	581.65 µS/cm	2.39 mg/L	0.01 NTU	30.9 mV	50.12 ft	0.28 PSU	100.00 ml/min
8/16/2023 2:05 PM	01:16:00	7.06 pH	21.41 °C	581.86 µS/cm	2.29 mg/L	0.01 NTU	15.9 mV	50.33 ft	0.28 PSU	100.00 ml/min
8/16/2023 2:09 PM	01:20:00	7.04 pH	20.89 °C	582.00 µS/cm	2.20 mg/L	0.01 NTU	7.9 mV	50.53 ft	0.28 PSU	100.00 ml/min
8/16/2023 2:13 PM	01:24:00	6.99 pH	21.94 °C	586.64 µS/cm	2.12 mg/L	0.11 NTU	-2.9 mV	50.70 ft	0.29 PSU	100.00 ml/min
8/16/2023 2:17 PM	01:28:00	6.98 pH	22.16 °C	586.46 µS/cm	2.01 mg/L	0.04 NTU	-6.9 mV	50.85 ft	0.29 PSU	100.00 ml/min
8/16/2023 2:21 PM	01:32:00	6.96 pH	22.02 °C	587.99 µS/cm	1.93 mg/L	0.08 NTU	-8.6 mV	50.97 ft	0.29 PSU	100.00 ml/min
8/16/2023 2:25 PM	01:36:00	6.95 pH	22.25 °C	590.40 µS/cm	1.84 mg/L	0.08 NTU	-9.4 mV	51.07 ft	0.29 PSU	100.00 ml/min
8/16/2023 2:29 PM	01:40:00	6.95 pH	23.06 °C	590.79 µS/cm	1.73 mg/L	0.07 NTU	-10.4 mV	51.14 ft	0.29 PSU	100.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/16/2023 3:08:24 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-10 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.37 ft Total Depth: 62.37 ft Initial Depth to Water: 31.44 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 57.37 ft Estimated Total Volume Pumped: 2880 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 20.25 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 17.72 L

Continuation after switching out equipment. Drawdown historically does not stabilize above screen. DTW fell into screen interval and below top of pump. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/16/2023 3:08 PM	00:00	7.06 pH	22.25 °C	611.66 µS/cm	1.43 mg/L	0.10 NTU	24.5 mV	51.08 ft	0.30 PSU	120.00 ml/min
8/16/2023 3:12 PM	04:00	7.04 pH	21.18 °C	619.02 µS/cm	0.81 mg/L	0.07 NTU	21.2 mV	51.31 ft	0.30 PSU	120.00 ml/min
8/16/2023 3:16 PM	08:00	7.04 pH	20.47 °C	619.96 µS/cm	0.83 mg/L	0.01 NTU	22.7 mV	51.69 ft	0.30 PSU	120.00 ml/min
8/16/2023 3:20 PM	12:00	7.05 pH	20.23 °C	615.19 µS/cm	1.19 mg/L	0.02 NTU	29.1 mV		0.30 PSU	120.00 ml/min
8/16/2023 3:24 PM	16:00	7.06 pH	20.59 °C	610.91 µS/cm	1.57 mg/L	0.07 NTU	33.7 mV		0.30 PSU	120.00 ml/min
8/16/2023 3:28 PM	20:00	7.08 pH	20.65 °C	606.72 µS/cm	1.80 mg/L	0.37 NTU	38.1 mV		0.30 PSU	120.00 ml/min
8/16/2023 3:32 PM	24:00	7.08 pH	20.47 °C	606.47 µS/cm	1.94 mg/L	0.67 NTU	39.7 mV		0.30 PSU	120.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/17/2023 11:15:47 AM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-10 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.37 ft Total Depth: 62.37 ft Initial Depth to Water: 31.58 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 57.37 ft Estimated Total Volume Pumped: 160 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 2.21 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Complete evac performed on 8/16/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/17/2023 11:15 AM	00:00	7.20 pH	19.99 °C	594.45 µS/cm	1.20 mg/L	0.83 NTU	101.8 mV	33.79 ft	0.29 PSU	120.00 ml/min
8/17/2023 11:16 AM	00:20	7.20 pH	19.98 °C	614.41 µS/cm	1.14 mg/L		114.7 mV	33.79 ft	0.30 PSU	120.00 ml/min
8/17/2023 11:16 AM	00:40	7.19 pH	19.98 °C	612.79 µS/cm	1.08 mg/L		119.7 mV	33.79 ft	0.30 PSU	120.00 ml/min
8/17/2023 11:16 AM	01:00	7.19 pH	19.98 °C	612.76 µS/cm	1.04 mg/L		122.2 mV	33.79 ft	0.30 PSU	120.00 ml/min
8/17/2023 11:17 AM	01:20	7.18 pH	19.99 °C	614.35 µS/cm	1.01 mg/L	0.83 NTU	122.3 mV	33.79 ft	0.30 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-10	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/16/2023 2:09:31 PM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-12 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 68.28 ft Total Depth: 78.28 ft Initial Depth to Water: 41.29 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 73.28 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.47 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/16/2023 2:09 PM	00:00	6.93 pH	20.94 °C	1,286.2 µS/cm	2.38 mg/L	1.67 NTU	170.4 mV	41.59 ft	0.65 PSU	150.00 ml/min
8/16/2023 2:13 PM	04:00	6.77 pH	20.31 °C	1,306.4 µS/cm	1.59 mg/L	1.06 NTU	174.9 mV	41.65 ft	0.66 PSU	150.00 ml/min
8/16/2023 2:17 PM	08:00	6.74 pH	20.11 °C	1,284.8 µS/cm	1.50 mg/L	1.19 NTU	176.2 mV	41.69 ft	0.65 PSU	150.00 ml/min
8/16/2023 2:21 PM	12:00	6.72 pH	19.89 °C	1,288.6 µS/cm	1.43 mg/L	1.35 NTU	176.8 mV	41.74 ft	0.65 PSU	150.00 ml/min
8/16/2023 2:25 PM	16:00	6.71 pH	19.88 °C	1,295.6 µS/cm	1.34 mg/L	1.37 NTU	177.6 mV	41.75 ft	0.65 PSU	150.00 ml/min
8/16/2023 2:29 PM	20:00	6.70 pH	19.87 °C	1,299.8 µS/cm	1.30 mg/L	1.32 NTU	177.8 mV	41.76 ft	0.66 PSU	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-12	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/16/2023 12:30:05 PM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-14A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 89.46 ft Total Depth: 99.46 ft Initial Depth to Water: 71.45 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 94.46 ft Estimated Total Volume Pumped: 3120 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/16/2023 12:30 PM	00:00	7.13 pH	22.55 °C	782.88 µS/cm	5.32 mg/L	0.73 NTU	151.5 mV	71.45 ft	0.39 PSU	130.00 ml/min
8/16/2023 12:34 PM	04:00	6.79 pH	20.83 °C	1,142.8 µS/cm	1.93 mg/L	0.74 NTU	153.2 mV	71.45 ft	0.57 PSU	130.00 ml/min
8/16/2023 12:38 PM	08:00	6.66 pH	20.53 °C	1,258.0 µS/cm	0.86 mg/L	0.65 NTU	162.4 mV	71.45 ft	0.63 PSU	130.00 ml/min
8/16/2023 12:42 PM	12:00	6.61 pH	20.44 °C	1,298.5 µS/cm	0.48 mg/L	0.91 NTU	167.4 mV	71.45 ft	0.66 PSU	130.00 ml/min
8/16/2023 12:46 PM	16:00	6.58 pH	20.27 °C	1,316.5 µS/cm	0.35 mg/L	0.80 NTU	169.5 mV	71.45 ft	0.66 PSU	130.00 ml/min
8/16/2023 12:50 PM	20:00	6.58 pH	20.04 °C	1,318.6 µS/cm	0.30 mg/L	0.83 NTU	170.0 mV	71.45 ft	0.67 PSU	130.00 ml/min
8/16/2023 12:54 PM	24:00	6.56 pH	20.18 °C	1,321.7 µS/cm	0.28 mg/L	0.81 NTU	170.1 mV	71.45 ft	0.67 PSU	130.00 ml/min

Samples

Sample ID:	Description:
BGWC-14A	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/17/2023 9:51:15 AM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

<p>Location Name: BGWC-16 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 38.87 ft Total Depth: 48.87 ft Initial Depth to Water: 17.38 ft</p>	<p>Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 43.87 ft Estimated Total Volume Pumped: 11400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.1 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 893479</p>
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Test Notes:

Prepurge 4L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/17/2023 9:51 AM	00:00	6.32 pH	19.54 °C	1,204.6 µS/cm	0.16 mg/L	44.40 NTU	187.6 mV	17.48 ft	0.61 PSU	150.00 ml/min
8/17/2023 9:55 AM	04:00	6.32 pH	19.53 °C	1,209.8 µS/cm	0.15 mg/L	41.70 NTU	188.6 mV	17.48 ft	0.61 PSU	150.00 ml/min
8/17/2023 9:59 AM	08:00	6.31 pH	19.51 °C	1,208.2 µS/cm	0.14 mg/L	31.10 NTU	188.4 mV	17.48 ft	0.61 PSU	150.00 ml/min
8/17/2023 10:03 AM	12:00	6.31 pH	19.56 °C	1,205.1 µS/cm	0.14 mg/L	24.50 NTU	188.6 mV	17.48 ft	0.61 PSU	150.00 ml/min
8/17/2023 10:07 AM	16:00	6.31 pH	19.52 °C	1,201.9 µS/cm	0.15 mg/L	22.10 NTU	189.5 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:11 AM	20:00	6.29 pH	19.79 °C	1,201.2 µS/cm	0.14 mg/L	17.50 NTU	189.7 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:15 AM	24:00	6.29 pH	20.09 °C	1,194.1 µS/cm	0.13 mg/L	14.80 NTU	189.8 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:19 AM	28:00	6.28 pH	20.31 °C	1,189.6 µS/cm	0.14 mg/L	14.00 NTU	189.4 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:23 AM	32:00	6.28 pH	20.45 °C	1,187.5 µS/cm	0.13 mg/L	11.50 NTU	189.5 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:27 AM	36:00	6.27 pH	20.41 °C	1,187.9 µS/cm	0.14 mg/L	11.43 NTU	189.9 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:31 AM	40:00	6.26 pH	20.55 °C	1,189.6 µS/cm	0.14 mg/L	9.20 NTU	189.9 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:35 AM	44:00	6.26 pH	20.61 °C	1,185.2 µS/cm	0.14 mg/L	8.05 NTU	190.0 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:39 AM	48:00	6.25 pH	20.81 °C	1,185.9 µS/cm	0.14 mg/L	7.44 NTU	190.3 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:43 AM	52:00	6.25 pH	20.86 °C	1,189.1 µS/cm	0.14 mg/L	6.18 NTU	190.3 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:47 AM	56:00	6.24 pH	20.89 °C	1,184.8 µS/cm	0.14 mg/L	5.94 NTU	190.8 mV	17.48 ft	0.60 PSU	150.00 ml/min

8/17/2023 10:51 AM	01:00:00	6.24 pH	20.92 °C	1,183.8 µS/cm	0.15 mg/L	3.24 NTU	190.6 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:55 AM	01:04:00	6.24 pH	20.94 °C	1,184.6 µS/cm	0.14 mg/L	3.09 NTU	191.1 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 10:59 AM	01:08:00	6.23 pH	21.11 °C	1,186.5 µS/cm	0.14 mg/L	3.90 NTU	191.4 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 11:03 AM	01:12:00	6.23 pH	21.11 °C	1,183.5 µS/cm	0.14 mg/L	3.66 NTU	191.4 mV	17.48 ft	0.60 PSU	150.00 ml/min
8/17/2023 11:07 AM	01:16:00	6.22 pH	21.30 °C	1,178.1 µS/cm	0.14 mg/L	3.30 NTU	192.0 mV	17.48 ft	0.59 PSU	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-16	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/17/2023 12:17:02 PM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-17 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.39 ft Total Depth: 68.39 ft Initial Depth to Water: 16.05 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 63.39 ft Estimated Total Volume Pumped: 2880 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/17/2023 12:17 PM	00:00	7.12 pH	22.54 °C	590.15 µS/cm	4.07 mg/L	1.67 NTU	139.7 mV	16.07 ft	0.29 PSU	120.00 ml/min
8/17/2023 12:21 PM	04:00	7.03 pH	20.61 °C	648.34 µS/cm	1.36 mg/L	2.96 NTU	163.9 mV	16.07 ft	0.32 PSU	120.00 ml/min
8/17/2023 12:25 PM	08:00	6.97 pH	20.35 °C	659.15 µS/cm	0.62 mg/L	3.43 NTU	179.0 mV	16.07 ft	0.32 PSU	120.00 ml/min
8/17/2023 12:29 PM	12:00	6.93 pH	20.58 °C	662.28 µS/cm	0.42 mg/L	2.09 NTU	184.3 mV	16.07 ft	0.33 PSU	120.00 ml/min
8/17/2023 12:33 PM	16:00	6.92 pH	20.53 °C	660.41 µS/cm	0.33 mg/L	1.70 NTU	186.5 mV	16.07 ft	0.32 PSU	120.00 ml/min
8/17/2023 12:37 PM	20:00	6.90 pH	20.58 °C	661.38 µS/cm	0.31 mg/L	1.51 NTU	187.3 mV	16.07 ft	0.33 PSU	120.00 ml/min
8/17/2023 12:41 PM	24:00	6.90 pH	20.43 °C	661.65 µS/cm	0.27 mg/L	1.39 NTU	187.4 mV	16.07 ft	0.33 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-17	Metals, Inorganics, TDS, Radium
FD-09	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/17/2023 2:11:18 PM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-18 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 27.95 ft Total Depth: 37.95 ft Initial Depth to Water: 14.52 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 32.95 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/17/2023 2:11 PM	00:00	6.45 pH	21.76 °C	477.03 µS/cm	1.33 mg/L	1.83 NTU	144.5 mV	14.53 ft	0.23 PSU	150.00 ml/min
8/17/2023 2:15 PM	04:00	6.34 pH	20.54 °C	482.12 µS/cm	0.86 mg/L	2.51 NTU	171.2 mV	14.55 ft	0.23 PSU	150.00 ml/min
8/17/2023 2:19 PM	08:00	6.28 pH	20.41 °C	478.91 µS/cm	0.78 mg/L	1.46 NTU	174.5 mV	14.55 ft	0.23 PSU	150.00 ml/min
8/17/2023 2:23 PM	12:00	6.25 pH	20.34 °C	484.79 µS/cm	0.52 mg/L	1.48 NTU	176.9 mV	14.55 ft	0.24 PSU	150.00 ml/min
8/17/2023 2:27 PM	16:00	6.23 pH	20.29 °C	490.82 µS/cm	0.27 mg/L	1.40 NTU	178.5 mV	14.56 ft	0.24 PSU	150.00 ml/min
8/17/2023 2:31 PM	20:00	6.22 pH	20.31 °C	492.76 µS/cm	0.20 mg/L	1.18 NTU	179.3 mV	14.56 ft	0.24 PSU	150.00 ml/min
8/17/2023 2:35 PM	24:00	6.23 pH	20.13 °C	493.87 µS/cm	0.18 mg/L	1.11 NTU	179.7 mV	14.56 ft	0.24 PSU	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-18	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/18/2023 9:25:14 AM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-19 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.58 ft Total Depth: 54.58 ft Initial Depth to Water: 15.45 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 49.58 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 1.35 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/18/2023 9:25 AM	00:00	6.58 pH	19.92 °C	430.15 µS/cm	1.72 mg/L	2.14 NTU	188.3 mV	16.30 ft	0.21 PSU	150.00 ml/min
8/18/2023 9:29 AM	04:00	6.48 pH	19.29 °C	446.02 µS/cm	0.65 mg/L	1.49 NTU	185.4 mV	16.55 ft	0.22 PSU	150.00 ml/min
8/18/2023 9:33 AM	08:00	6.45 pH	19.16 °C	453.27 µS/cm	0.57 mg/L	1.18 NTU	184.7 mV	16.66 ft	0.22 PSU	150.00 ml/min
8/18/2023 9:37 AM	12:00	6.44 pH	19.15 °C	458.98 µS/cm	0.58 mg/L	1.39 NTU	183.5 mV	16.73 ft	0.22 PSU	150.00 ml/min
8/18/2023 9:41 AM	16:00	6.43 pH	19.16 °C	466.21 µS/cm	0.53 mg/L	0.84 NTU	182.5 mV	16.80 ft	0.23 PSU	150.00 ml/min
8/18/2023 9:45 AM	20:00	6.43 pH	19.24 °C	470.67 µS/cm	0.48 mg/L	0.97 NTU	181.8 mV	16.80 ft	0.23 PSU	150.00 ml/min
8/18/2023 9:49 AM	24:00	6.43 pH	19.24 °C	475.87 µS/cm	0.41 mg/L	0.87 NTU	181.4 mV	16.80 ft	0.23 PSU	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-19	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/18/2023 12:18:13 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-20 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.73 ft Total Depth: 49.73 ft Initial Depth to Water: 16.13 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.73 ft Estimated Total Volume Pumped: 7920 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 8.47 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Lowered pump rate to 130 mL/min at 24:00 to stabilize drawdown.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/18/2023 12:18 PM	00:00	6.86 pH	20.28 °C	1,776.6 µS/cm	0.53 mg/L	0.13 NTU	84.4 mV	19.75 ft	0.91 PSU	200.00 ml/min
8/18/2023 12:22 PM	04:00	6.83 pH	20.29 °C	1,781.0 µS/cm	0.48 mg/L	0.07 NTU	97.9 mV	20.44 ft	0.91 PSU	200.00 ml/min
8/18/2023 12:26 PM	08:00	6.82 pH	20.24 °C	1,787.1 µS/cm	0.29 mg/L	0.01 NTU	95.8 mV	21.28 ft	0.92 PSU	200.00 ml/min
8/18/2023 12:30 PM	12:00	6.81 pH	20.14 °C	1,789.4 µS/cm	0.23 mg/L	0.02 NTU	94.5 mV	22.04 ft	0.92 PSU	200.00 ml/min
8/18/2023 12:34 PM	16:00	6.81 pH	20.20 °C	1,788.8 µS/cm	0.21 mg/L	0.05 NTU	93.8 mV	22.77 ft	0.92 PSU	200.00 ml/min
8/18/2023 12:38 PM	20:00	6.81 pH	20.23 °C	1,789.9 µS/cm	0.20 mg/L	0.09 NTU	92.5 mV	23.43 ft	0.92 PSU	200.00 ml/min
8/18/2023 12:42 PM	24:00	6.79 pH	21.27 °C	1,796.1 µS/cm	0.19 mg/L	0.06 NTU	85.6 mV	23.78 ft	0.92 PSU	130.00 ml/min
8/18/2023 12:46 PM	28:00	6.80 pH	21.35 °C	1,792.3 µS/cm	0.15 mg/L	0.14 NTU	76.2 mV	23.96 ft	0.92 PSU	130.00 ml/min
8/18/2023 12:50 PM	32:00	6.81 pH	21.22 °C	1,797.1 µS/cm	0.15 mg/L	0.06 NTU	70.7 mV	24.15 ft	0.92 PSU	130.00 ml/min
8/18/2023 12:54 PM	36:00	6.81 pH	21.40 °C	1,812.8 µS/cm	0.16 mg/L	0.01 NTU	68.9 mV	24.29 ft	0.93 PSU	130.00 ml/min
8/18/2023 12:58 PM	40:00	6.81 pH	21.84 °C	1,807.1 µS/cm	0.15 mg/L	0.11 NTU	66.1 mV	24.40 ft	0.93 PSU	130.00 ml/min
8/18/2023 1:02 PM	44:00	6.83 pH	21.36 °C	1,812.5 µS/cm	0.15 mg/L	0.14 NTU	68.2 mV	24.50 ft	0.93 PSU	130.00 ml/min
8/18/2023 1:06 PM	48:00	6.84 pH	20.97 °C	1,821.5 µS/cm	0.16 mg/L	0.10 NTU	72.2 mV	24.60 ft	0.93 PSU	130.00 ml/min

Samples

Sample ID:	Description:
BGWC-20	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/23/2023 12:32:33 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-21 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 42.99 ft Total Depth: 52.99 ft Initial Depth to Water: 27.55 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 47.99 ft Estimated Total Volume Pumped: 2560 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.4 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 4 L

Live ants and organic debris in water at the start of pumping.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/23/2023 12:32 PM	00:00	6.97 pH	22.07 °C	417.71 µS/cm	0.26 mg/L	1.68 NTU	28.4 mV	27.95 ft	0.20 PSU	160.00 ml/min
8/23/2023 12:36 PM	04:00	6.93 pH	21.94 °C	418.17 µS/cm	0.26 mg/L	1.78 NTU	30.5 mV	27.95 ft	0.20 PSU	160.00 ml/min
8/23/2023 12:40 PM	08:00	6.93 pH	22.21 °C	419.15 µS/cm	0.24 mg/L	1.32 NTU	25.1 mV	27.95 ft	0.20 PSU	160.00 ml/min
8/23/2023 12:44 PM	12:00	6.95 pH	22.11 °C	419.22 µS/cm	0.22 mg/L	1.34 NTU	23.7 mV	27.95 ft	0.20 PSU	160.00 ml/min
8/23/2023 12:48 PM	16:00	6.96 pH	22.03 °C	421.28 µS/cm	0.23 mg/L	1.32 NTU	20.5 mV	27.95 ft	0.20 PSU	160.00 ml/min

Samples

Sample ID:	Description:
BGWC-21	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/22/2023 1:02:17 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-22 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.05 ft Total Depth: 43.05 ft Initial Depth to Water: 30.17 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 38.05 ft Estimated Total Volume Pumped: 2240 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.17 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/22/2023 1:02 PM	00:00	6.40 pH	23.59 °C	4,781.9 µS/cm	0.24 mg/L	0.84 NTU	140.7 mV	30.34 ft	2.59 PSU	140.00 ml/min
8/22/2023 1:06 PM	04:00	6.39 pH	23.73 °C	4,825.8 µS/cm	0.20 mg/L	0.91 NTU	146.0 mV	30.34 ft	2.62 PSU	140.00 ml/min
8/22/2023 1:10 PM	08:00	6.40 pH	23.78 °C	4,805.4 µS/cm	0.18 mg/L	0.47 NTU	147.1 mV	30.34 ft	2.61 PSU	140.00 ml/min
8/22/2023 1:14 PM	12:00	6.40 pH	23.10 °C	4,815.2 µS/cm	0.17 mg/L	0.47 NTU	147.2 mV	30.34 ft	2.61 PSU	140.00 ml/min
8/22/2023 1:18 PM	16:00	6.40 pH	23.67 °C	4,825.4 µS/cm	0.16 mg/L	0.22 NTU	147.1 mV	30.34 ft	2.62 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-22	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/23/2023 2:22:16 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-23 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 40.95 ft Total Depth: 50.95 ft Initial Depth to Water: 32.84 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 45.95 ft Estimated Total Volume Pumped: 2240 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 1.5 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/23/2023 2:22 PM	00:00	6.78 pH	22.54 °C	2,365.4 µS/cm	0.30 mg/L	1.24 NTU	26.9 mV	34.25 ft	1.23 PSU	140.00 ml/min
8/23/2023 2:26 PM	04:00	6.71 pH	23.06 °C	2,387.7 µS/cm	0.24 mg/L	1.29 NTU	39.5 mV	34.27 ft	1.24 PSU	140.00 ml/min
8/23/2023 2:30 PM	08:00	6.69 pH	22.92 °C	2,368.5 µS/cm	0.20 mg/L	1.59 NTU	45.0 mV	34.31 ft	1.23 PSU	140.00 ml/min
8/23/2023 2:34 PM	12:00	6.69 pH	22.24 °C	2,370.2 µS/cm	0.17 mg/L	1.52 NTU	52.1 mV	34.33 ft	1.23 PSU	140.00 ml/min
8/23/2023 2:38 PM	16:00	6.69 pH	22.00 °C	2,389.4 µS/cm	0.16 mg/L	0.95 NTU	57.9 mV	34.34 ft	1.24 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-23	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/25/2023 9:32:13 AM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-24 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.11 ft Total Depth: 66.11 ft Initial Depth to Water: 21.74 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 61.11 ft Estimated Total Volume Pumped: 7440 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 5.72 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Lowered pump rate to 120 mL/min at 24:00 to stabilize drawdown.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/25/2023 9:32 AM	00:00	6.42 pH	22.03 °C	2,957.2 µS/cm	0.59 mg/L	2.34 NTU	142.9 mV	24.27 ft	1.56 PSU	150.00 ml/min
8/25/2023 9:36 AM	04:00	6.43 pH	22.01 °C	2,980.4 µS/cm	0.49 mg/L	2.36 NTU	136.7 mV	24.59 ft	1.57 PSU	150.00 ml/min
8/25/2023 9:40 AM	08:00	6.42 pH	22.12 °C	2,989.0 µS/cm	0.41 mg/L	2.28 NTU	135.2 mV	24.94 ft	1.58 PSU	150.00 ml/min
8/25/2023 9:44 AM	12:00	6.41 pH	22.16 °C	3,002.9 µS/cm	0.32 mg/L	2.48 NTU	135.6 mV	25.32 ft	1.58 PSU	150.00 ml/min
8/25/2023 9:48 AM	16:00	6.41 pH	22.21 °C	3,002.3 µS/cm	0.35 mg/L	2.78 NTU	136.2 mV	25.66 ft	1.58 PSU	150.00 ml/min
8/25/2023 9:52 AM	20:00	6.41 pH	22.25 °C	3,004.6 µS/cm	0.34 mg/L	3.00 NTU	137.4 mV	25.95 ft	1.58 PSU	150.00 ml/min
8/25/2023 9:56 AM	24:00	6.39 pH	22.69 °C	3,013.2 µS/cm	0.33 mg/L	3.16 NTU	137.5 mV	26.14 ft	1.59 PSU	120.00 ml/min
8/25/2023 10:00 AM	28:00	6.39 pH	22.69 °C	3,001.0 µS/cm	0.44 mg/L	3.51 NTU	138.5 mV	26.34 ft	1.58 PSU	120.00 ml/min
8/25/2023 10:04 AM	32:00	6.38 pH	22.74 °C	3,012.8 µS/cm	0.39 mg/L	3.46 NTU	138.9 mV	26.50 ft	1.59 PSU	120.00 ml/min
8/25/2023 10:08 AM	36:00	6.37 pH	22.90 °C	3,007.5 µS/cm	0.39 mg/L	3.40 NTU	139.6 mV	26.67 ft	1.59 PSU	120.00 ml/min
8/25/2023 10:12 AM	40:00	6.37 pH	22.78 °C	3,015.0 µS/cm	0.40 mg/L	3.25 NTU	140.4 mV	26.87 ft	1.59 PSU	120.00 ml/min
8/25/2023 10:16 AM	44:00	6.36 pH	22.96 °C	3,033.7 µS/cm	0.30 mg/L	2.78 NTU	140.6 mV	27.02 ft	1.60 PSU	120.00 ml/min
8/25/2023 10:20 AM	48:00	6.36 pH	22.97 °C	3,028.5 µS/cm	0.36 mg/L	2.82 NTU	141.1 mV	27.16 ft	1.60 PSU	120.00 ml/min
8/25/2023 10:24 AM	52:00	6.36 pH	22.79 °C	3,033.1 µS/cm	0.36 mg/L	2.49 NTU	141.5 mV	27.32 ft	1.60 PSU	120.00 ml/min
8/25/2023 10:28 AM	56:00	6.36 pH	22.97 °C	3,044.4 µS/cm	0.33 mg/L	2.11 NTU	141.9 mV	27.46 ft	1.61 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-24	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/17/2023 2:10:06 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-25 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 47.87 ft Total Depth: 57.87 ft Initial Depth to Water: 21.19 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 52.87 ft Estimated Total Volume Pumped: 6720 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 7.45 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Organic debris in water. Lowered pump rate to 120 mL/min at 24:00 to stabilize drawdown.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/17/2023 2:10 PM	00:00	7.02 pH	20.38 °C	443.30 µS/cm	0.08 mg/L	0.08 NTU	35.9 mV	24.66 ft	0.22 PSU	200.00 ml/min
8/17/2023 2:14 PM	04:00	7.00 pH	20.09 °C	439.74 µS/cm	0.07 mg/L	0.22 NTU	49.0 mV	25.23 ft	0.21 PSU	200.00 ml/min
8/17/2023 2:18 PM	08:00	7.00 pH	20.19 °C	438.32 µS/cm	0.07 mg/L	0.19 NTU	48.2 mV	25.95 ft	0.21 PSU	200.00 ml/min
8/17/2023 2:22 PM	12:00	7.00 pH	19.71 °C	438.92 µS/cm	0.07 mg/L	0.17 NTU	47.1 mV	26.65 ft	0.21 PSU	200.00 ml/min
8/17/2023 2:26 PM	16:00	7.00 pH	19.98 °C	437.59 µS/cm	0.07 mg/L	0.33 NTU	44.6 mV	27.23 ft	0.21 PSU	200.00 ml/min
8/17/2023 2:30 PM	20:00	7.00 pH	20.24 °C	435.61 µS/cm	0.07 mg/L	0.18 NTU	42.8 mV	27.80 ft	0.21 PSU	200.00 ml/min
8/17/2023 2:34 PM	24:00	6.97 pH	21.36 °C	438.90 µS/cm	0.10 mg/L	0.07 NTU	38.4 mV	28.10 ft	0.21 PSU	120.00 ml/min
8/17/2023 2:38 PM	28:00	6.99 pH	21.27 °C	436.34 µS/cm	0.11 mg/L	0.10 NTU	38.4 mV	28.22 ft	0.21 PSU	120.00 ml/min
8/17/2023 2:42 PM	32:00	6.98 pH	21.18 °C	439.30 µS/cm	0.12 mg/L	0.19 NTU	33.1 mV	28.36 ft	0.21 PSU	120.00 ml/min
8/17/2023 2:46 PM	36:00	6.97 pH	21.81 °C	438.53 µS/cm	0.12 mg/L	0.11 NTU	29.8 mV	28.51 ft	0.21 PSU	120.00 ml/min
8/17/2023 2:50 PM	40:00	6.97 pH	22.02 °C	437.56 µS/cm	0.12 mg/L	0.09 NTU	27.2 mV	28.64 ft	0.21 PSU	120.00 ml/min

Samples

Sample ID:	Description:
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BGWC-25

Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/16/2023 10:19:38 AM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWA-29 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 89.03 ft Total Depth: 99.03 ft Initial Depth to Water: 54.72 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 94.03 ft Estimated Total Volume Pumped: 5280 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/16/2023 10:19 AM	00:00	6.81 pH	19.78 °C	201.34 µS/cm	4.91 mg/L	1.48 NTU	182.8 mV	54.73 ft	0.10 PSU	120.00 ml/min
8/16/2023 10:23 AM	04:00	6.78 pH	19.29 °C	204.81 µS/cm	4.82 mg/L	1.18 NTU	178.0 mV	54.74 ft	0.10 PSU	120.00 ml/min
8/16/2023 10:27 AM	08:00	6.80 pH	19.20 °C	205.84 µS/cm	4.99 mg/L	1.85 NTU	174.5 mV	54.74 ft	0.10 PSU	120.00 ml/min
8/16/2023 10:31 AM	12:00	6.85 pH	18.89 °C	207.00 µS/cm	5.31 mg/L	1.86 NTU	172.2 mV	54.75 ft	0.10 PSU	120.00 ml/min
8/16/2023 10:35 AM	16:00	6.92 pH	18.76 °C	207.83 µS/cm	5.63 mg/L	2.49 NTU	168.8 mV	54.75 ft	0.10 PSU	120.00 ml/min
8/16/2023 10:39 AM	20:00	7.00 pH	18.67 °C	208.22 µS/cm	5.76 mg/L	1.84 NTU	167.0 mV	54.75 ft	0.10 PSU	120.00 ml/min
8/16/2023 10:43 AM	24:00	7.07 pH	18.62 °C	208.81 µS/cm	5.87 mg/L	1.63 NTU	166.7 mV	54.75 ft	0.10 PSU	120.00 ml/min
8/16/2023 10:47 AM	28:00	7.14 pH	18.48 °C	209.47 µS/cm	5.95 mg/L	1.44 NTU	166.5 mV	54.75 ft	0.10 PSU	120.00 ml/min
8/16/2023 10:51 AM	32:00	7.20 pH	18.40 °C	210.07 µS/cm	5.94 mg/L	1.50 NTU	166.0 mV	54.75 ft	0.10 PSU	120.00 ml/min
8/16/2023 10:55 AM	36:00	7.23 pH	18.61 °C	211.05 µS/cm	5.89 mg/L	1.48 NTU	166.4 mV	54.75 ft	0.10 PSU	120.00 ml/min
8/16/2023 10:59 AM	40:00	7.27 pH	18.88 °C	210.97 µS/cm	5.92 mg/L	1.43 NTU	166.7 mV	54.75 ft	0.10 PSU	120.00 ml/min
8/16/2023 11:03 AM	44:00	7.30 pH	18.80 °C	211.50 µS/cm	5.92 mg/L	1.42 NTU	167.4 mV	54.75 ft	0.10 PSU	120.00 ml/min

Samples

Sample ID:	Description:
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BGWA-29

Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/21/2023 10:00:32 AM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.98 ft Total Depth: 59.98 ft Initial Depth to Water: 34.57 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 54.98 ft Estimated Total Volume Pumped: 12500 ml Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/21/2023 10:00 AM	00:00	7.05 pH	23.17 °C	640.78 µS/cm	4.30 mg/L	27.50 NTU	211.4 mV	34.59 ft	0.31 PSU	125.00 ml/min
8/21/2023 10:04 AM	04:00	7.10 pH	22.81 °C	659.60 µS/cm	3.96 mg/L	20.30 NTU	494.9 mV	34.59 ft	0.32 PSU	125.00 ml/min
8/21/2023 10:08 AM	08:00	7.10 pH	22.75 °C	677.82 µS/cm	3.80 mg/L	16.00 NTU	499.0 mV	34.59 ft	0.33 PSU	125.00 ml/min
8/21/2023 10:12 AM	12:00	7.08 pH	22.69 °C	738.45 µS/cm	3.32 mg/L	13.70 NTU	497.4 mV	34.59 ft	0.36 PSU	125.00 ml/min
8/21/2023 10:16 AM	16:00	7.07 pH	22.81 °C	753.40 µS/cm	3.05 mg/L	11.70 NTU	493.3 mV	34.59 ft	0.37 PSU	125.00 ml/min
8/21/2023 10:20 AM	20:00	7.07 pH	22.79 °C	756.06 µS/cm	2.96 mg/L	10.39 NTU	502.7 mV	34.59 ft	0.37 PSU	125.00 ml/min
8/21/2023 10:24 AM	24:00	7.06 pH	22.86 °C	756.11 µS/cm	2.95 mg/L	11.00 NTU	494.3 mV	34.59 ft	0.37 PSU	125.00 ml/min
8/21/2023 10:28 AM	28:00	7.06 pH	22.90 °C	755.24 µS/cm	2.94 mg/L	13.80 NTU	507.4 mV	34.59 ft	0.37 PSU	125.00 ml/min
8/21/2023 10:32 AM	32:00	7.06 pH	22.90 °C	758.13 µS/cm	2.97 mg/L	14.40 NTU	508.2 mV	34.59 ft	0.37 PSU	125.00 ml/min
8/21/2023 10:36 AM	36:00	7.05 pH	22.90 °C	757.93 µS/cm	3.00 mg/L	13.40 NTU	508.8 mV	34.59 ft	0.37 PSU	125.00 ml/min
8/21/2023 10:40 AM	40:00	7.05 pH	22.86 °C	759.96 µS/cm	3.09 mg/L	12.70 NTU	514.3 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 10:44 AM	44:00	7.05 pH	22.93 °C	760.42 µS/cm	3.16 mg/L	10.40 NTU	517.5 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 10:48 AM	48:00	7.04 pH	22.99 °C	762.10 µS/cm	3.18 mg/L	9.28 NTU	512.3 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 10:52 AM	52:00	7.04 pH	22.92 °C	760.38 µS/cm	3.20 mg/L	9.14 NTU	518.2 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 10:56 AM	56:00	7.04 pH	22.97 °C	761.02 µS/cm	3.25 mg/L	7.87 NTU	530.1 mV	34.59 ft	0.38 PSU	125.00 ml/min

8/21/2023 11:00 AM	01:00:00	7.03 pH	22.94 °C	760.43 µS/cm	3.24 mg/L	7.19 NTU	527.3 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 11:04 AM	01:04:00	7.03 pH	23.06 °C	762.52 µS/cm	3.25 mg/L	7.45 NTU	526.2 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 11:08 AM	01:08:00	7.02 pH	23.07 °C	761.35 µS/cm	3.28 mg/L	7.00 NTU	538.2 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 11:12 AM	01:12:00	7.02 pH	23.12 °C	760.87 µS/cm	3.28 mg/L	6.27 NTU	538.5 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 11:16 AM	01:16:00	7.02 pH	23.13 °C	761.19 µS/cm	3.32 mg/L	5.75 NTU	543.7 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 11:20 AM	01:20:00	7.01 pH	23.19 °C	764.02 µS/cm	3.33 mg/L	5.15 NTU	545.4 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 11:24 AM	01:24:00	7.01 pH	23.25 °C	761.28 µS/cm	3.32 mg/L	4.77 NTU	555.2 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 11:28 AM	01:28:00	7.01 pH	23.26 °C	761.41 µS/cm	3.34 mg/L	4.15 NTU	551.2 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 11:32 AM	01:32:00	7.01 pH	23.35 °C	758.77 µS/cm	3.32 mg/L	4.58 NTU	555.6 mV	34.59 ft	0.37 PSU	125.00 ml/min
8/21/2023 11:36 AM	01:36:00	7.00 pH	23.39 °C	759.33 µS/cm	3.36 mg/L	3.37 NTU	561.1 mV	34.59 ft	0.38 PSU	125.00 ml/min
8/21/2023 11:40 AM	01:40:00	7.00 pH	23.44 °C	758.60 µS/cm	3.36 mg/L	3.30 NTU	556.5 mV	34.59 ft	0.37 PSU	125.00 ml/min

Samples

Sample ID:	Description:
BGWC-30	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/18/2023 12:24:06 PM

Project: Plant Bowen AP August 2023

Operator Name: Kevin Stephenson

Location Name: BGWC-31 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.7 ft Total Depth: 49.7 ft Initial Depth to Water: 15.25 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.7 ft Estimated Total Volume Pumped: 2800 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.19 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 4 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/18/2023 12:24 PM	00:00	6.89 pH	22.23 °C	685.20 µS/cm	0.16 mg/L	3.87 NTU	-26.7 mV	15.44 ft	0.34 PSU	140.00 ml/min
8/18/2023 12:28 PM	04:00	6.89 pH	21.21 °C	698.97 µS/cm	0.15 mg/L	3.67 NTU	-36.5 mV	15.44 ft	0.34 PSU	140.00 ml/min
8/18/2023 12:32 PM	08:00	6.89 pH	21.02 °C	698.13 µS/cm	0.13 mg/L	2.77 NTU	-39.1 mV	15.44 ft	0.34 PSU	140.00 ml/min
8/18/2023 12:36 PM	12:00	6.89 pH	21.00 °C	699.61 µS/cm	0.13 mg/L	3.09 NTU	-41.2 mV	15.44 ft	0.34 PSU	140.00 ml/min
8/18/2023 12:40 PM	16:00	6.89 pH	20.97 °C	701.40 µS/cm	0.12 mg/L	2.47 NTU	-42.5 mV	15.44 ft	0.35 PSU	140.00 ml/min
8/18/2023 12:44 PM	20:00	6.89 pH	21.02 °C	699.78 µS/cm	0.11 mg/L	2.74 NTU	-42.0 mV	15.44 ft	0.34 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-31	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/17/2023 1:24:08 PM

Project: Plant Bowen AP August 2023

Operator Name: Kevin Stephenson

Location Name: BGWC-32 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41.22 ft Total Depth: 51.22 ft Initial Depth to Water: 37.04 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 46.22 ft Estimated Total Volume Pumped: 5280 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 2.68 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 1 liter. WL dropped below top of pump. Complete evacuation method initiated. Samples will be collected 8/17.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/17/2023 1:24 PM	00:00	6.93 pH	22.95 °C	1,293.3 µS/cm	2.29 mg/L	0.77 NTU	167.0 mV	38.38 ft	0.65 PSU	120.00 ml/min
8/17/2023 1:28 PM	04:00	6.97 pH	21.80 °C	1,326.4 µS/cm	2.26 mg/L	0.72 NTU	155.7 mV	38.59 ft	0.67 PSU	120.00 ml/min
8/17/2023 1:32 PM	08:00	6.98 pH	21.90 °C	1,338.3 µS/cm	2.02 mg/L	0.48 NTU	147.6 mV	38.79 ft	0.68 PSU	120.00 ml/min
8/17/2023 1:36 PM	12:00	6.99 pH	21.53 °C	1,347.2 µS/cm	1.93 mg/L	0.70 NTU	142.3 mV	38.95 ft	0.68 PSU	120.00 ml/min
8/17/2023 1:40 PM	16:00	6.99 pH	21.43 °C	1,352.6 µS/cm	1.88 mg/L	0.57 NTU	137.4 mV	39.24 ft	0.68 PSU	120.00 ml/min
8/17/2023 1:44 PM	20:00	6.98 pH	21.71 °C	1,349.7 µS/cm	1.87 mg/L	0.81 NTU	133.3 mV	39.43 ft	0.68 PSU	120.00 ml/min
8/17/2023 1:48 PM	24:00	6.98 pH	21.64 °C	1,367.1 µS/cm	1.75 mg/L	0.52 NTU	129.8 mV	39.68 ft	0.69 PSU	120.00 ml/min
8/17/2023 1:52 PM	28:00	6.98 pH	21.72 °C	1,371.7 µS/cm	1.68 mg/L	0.58 NTU	127.1 mV	39.72 ft	0.69 PSU	120.00 ml/min
8/17/2023 1:56 PM	32:00	6.97 pH	21.46 °C	1,385.8 µS/cm	1.65 mg/L	0.62 NTU	124.8 mV	39.72 ft	0.70 PSU	120.00 ml/min
8/17/2023 2:00 PM	36:00	6.96 pH	21.34 °C	1,411.6 µS/cm	1.53 mg/L	0.73 NTU	122.6 mV	39.72 ft	0.72 PSU	120.00 ml/min
8/17/2023 2:04 PM	40:00	6.95 pH	21.55 °C	1,423.5 µS/cm	1.28 mg/L	1.25 NTU	121.0 mV	39.72 ft	0.72 PSU	120.00 ml/min
8/17/2023 2:08 PM	44:00	6.94 pH	21.84 °C	1,423.7 µS/cm	1.13 mg/L	1.21 NTU	119.5 mV	39.72 ft	0.72 PSU	120.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/18/2023 9:22:54 AM

Project: Plant Bowen AP August 2023

Operator Name: Kevin Stephenson

Location Name: BGWC-32 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41.22 ft Total Depth: 51.22 ft Initial Depth to Water: 79.73 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 46.22 ft Estimated Total Volume Pumped: 160 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Sample collection from complete evacuation on 8/17/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/18/2023 9:22 AM	00:00	6.78 pH	24.15 °C	1,320.6 µS/cm	3.74 mg/L	0.47 NTU	203.9 mV	79.73 ft	0.67 PSU	120.00 ml/min
8/18/2023 9:23 AM	00:20	6.80 pH	23.03 °C	1,339.6 µS/cm	4.14 mg/L	0.47 NTU	201.0 mV	79.73 ft	0.68 PSU	120.00 ml/min
8/18/2023 9:23 AM	00:40	6.81 pH	22.74 °C	1,346.3 µS/cm	4.51 mg/L	0.47 NTU	198.4 mV	79.73 ft	0.68 PSU	120.00 ml/min
8/18/2023 9:23 AM	01:00	6.82 pH	22.46 °C	1,341.9 µS/cm	4.74 mg/L	0.47 NTU	195.7 mV	79.73 ft	0.68 PSU	120.00 ml/min
8/18/2023 9:24 AM	01:20	6.84 pH	21.99 °C	1,349.0 µS/cm	4.96 mg/L	0.47 NTU	193.3 mV	79.73 ft	0.68 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-32	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/21/2023 10:15:11 AM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWA-33 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.84 ft Total Depth: 80.84 ft Initial Depth to Water: 77.26 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 79.84 ft Estimated Total Volume Pumped: 800 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.19 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepured 0.5 L

Well is a historic complete evac with 48-hour recharge. Fine black sediment in water with odor. Stopped trolling to ensure volume for sampling. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/21/2023 10:15 AM	00:00	6.59 pH	20.33 °C	676.56 µS/cm	0.63 mg/L	6.11 NTU	-49.5 mV	78.00 ft	0.33 PSU	100.00 ml/min
8/21/2023 10:19 AM	04:00	6.56 pH	20.02 °C	658.69 µS/cm	0.37 mg/L	5.77 NTU	-58.0 mV	78.19 ft	0.32 PSU	100.00 ml/min
8/21/2023 10:23 AM	08:00	6.55 pH	20.20 °C	658.91 µS/cm	0.30 mg/L	4.83 NTU	-57.9 mV	78.45 ft	0.32 PSU	100.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/23/2023 10:12:16 AM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWA-33 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.84 ft Total Depth: 80.84 ft Initial Depth to Water: 78.22 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 79.84 ft Estimated Total Volume Pumped: 133.333 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Complete evac performed on 8/21/23 with 48-hour recharge.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/23/2023 10:12 AM	00:00	6.39 pH	26.45 °C	629.45 µS/cm	4.06 mg/L	4.60 NTU	59.8 mV	78.22 ft	0.31 PSU	100.00 ml/min
8/23/2023 10:12 AM	00:20	6.41 pH	25.99 °C	627.49 µS/cm	3.37 mg/L		60.2 mV	78.22 ft	0.31 PSU	100.00 ml/min
8/23/2023 10:12 AM	00:40	6.42 pH	25.75 °C	632.63 µS/cm	3.11 mg/L		60.3 mV	78.22 ft	0.31 PSU	100.00 ml/min
8/23/2023 10:13 AM	01:00	6.43 pH	25.56 °C	637.30 µS/cm	2.94 mg/L		59.1 mV	78.22 ft	0.31 PSU	100.00 ml/min
8/23/2023 10:13 AM	01:20	6.44 pH	25.46 °C	640.07 µS/cm	2.81 mg/L	4.60 NTU	59.6 mV	78.22 ft	0.31 PSU	100.00 ml/min

Samples

Sample ID:	Description:
BGWA-33	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/18/2023 9:41:04 AM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-34D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 69.75 ft Total Depth: 79.75 ft Initial Depth to Water: 16.19 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 74.75 ft Estimated Total Volume Pumped: 15040 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 13.24 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Lowered pump rate to 110 mL/min at 40:00 to stabilize drawdown.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/18/2023 9:41 AM	00:00	6.62 pH	19.22 °C	887.26 µS/cm	0.21 mg/L	0.07 NTU	55.7 mV	19.30 ft	0.44 PSU	200.00 ml/min
8/18/2023 9:45 AM	04:00	6.65 pH	19.31 °C	870.39 µS/cm	0.16 mg/L	0.11 NTU	72.2 mV	19.94 ft	0.43 PSU	200.00 ml/min
8/18/2023 9:49 AM	08:00	6.66 pH	19.31 °C	870.46 µS/cm	0.14 mg/L	0.07 NTU	70.1 mV	20.85 ft	0.43 PSU	200.00 ml/min
8/18/2023 9:53 AM	12:00	6.65 pH	19.33 °C	873.00 µS/cm	0.14 mg/L	0.10 NTU	67.9 mV	21.74 ft	0.43 PSU	200.00 ml/min
8/18/2023 9:57 AM	16:00	6.64 pH	19.31 °C	875.48 µS/cm	0.14 mg/L	0.15 NTU	64.5 mV	22.62 ft	0.43 PSU	200.00 ml/min
8/18/2023 10:01 AM	20:00	6.63 pH	19.31 °C	878.39 µS/cm	0.14 mg/L	0.09 NTU	60.6 mV	23.36 ft	0.44 PSU	200.00 ml/min
8/18/2023 10:05 AM	24:00	6.61 pH	19.39 °C	880.37 µS/cm	0.16 mg/L	0.14 NTU	56.6 mV	24.13 ft	0.44 PSU	200.00 ml/min
8/18/2023 10:09 AM	28:00	6.61 pH	19.43 °C	880.17 µS/cm	0.17 mg/L	0.07 NTU	52.6 mV	24.86 ft	0.44 PSU	200.00 ml/min
8/18/2023 10:13 AM	32:00	6.60 pH	19.40 °C	880.85 µS/cm	0.17 mg/L	0.14 NTU	50.0 mV	25.62 ft	0.44 PSU	200.00 ml/min
8/18/2023 10:17 AM	36:00	6.62 pH	19.47 °C	863.36 µS/cm	0.78 mg/L	0.05 NTU	42.2 mV	26.29 ft	0.43 PSU	200.00 ml/min
8/18/2023 10:21 AM	40:00	6.65 pH	20.07 °C	847.53 µS/cm	1.29 mg/L	0.02 NTU	35.9 mV	26.65 ft	0.42 PSU	110.00 ml/min
8/18/2023 10:25 AM	44:00	6.63 pH	20.42 °C	863.37 µS/cm	1.20 mg/L	0.01 NTU	26.3 mV	26.85 ft	0.43 PSU	110.00 ml/min
8/18/2023 10:29 AM	48:00	6.62 pH	20.47 °C	866.51 µS/cm	1.18 mg/L	0.04 NTU	22.4 mV	27.06 ft	0.43 PSU	110.00 ml/min
8/18/2023 10:33 AM	52:00	6.62 pH	20.42 °C	863.18 µS/cm	1.15 mg/L	0.13 NTU	20.7 mV	27.28 ft	0.43 PSU	110.00 ml/min
8/18/2023 10:37 AM	56:00	6.61 pH	20.55 °C	864.37 µS/cm	1.10 mg/L	0.18 NTU	19.1 mV	27.50 ft	0.43 PSU	110.00 ml/min

8/18/2023 10:41 AM	01:00:00	6.61 pH	20.73 °C	861.14 µS/cm	1.10 mg/L	0.20 NTU	18.7 mV	27.68 ft	0.43 PSU	110.00 ml/min
8/18/2023 10:45 AM	01:04:00	6.62 pH	20.62 °C	855.50 µS/cm	1.08 mg/L	0.23 NTU	18.4 mV	27.88 ft	0.42 PSU	110.00 ml/min
8/18/2023 10:49 AM	01:08:00	6.62 pH	20.52 °C	855.29 µS/cm	1.08 mg/L	0.22 NTU	17.2 mV	28.08 ft	0.42 PSU	110.00 ml/min
8/18/2023 10:53 AM	01:12:00	6.62 pH	20.65 °C	851.12 µS/cm	1.06 mg/L	0.32 NTU	16.5 mV	28.26 ft	0.42 PSU	110.00 ml/min
8/18/2023 10:57 AM	01:16:00	6.61 pH	20.78 °C	852.99 µS/cm	1.04 mg/L	0.23 NTU	15.6 mV	28.44 ft	0.42 PSU	110.00 ml/min
8/18/2023 11:01 AM	01:20:00	6.61 pH	21.05 °C	849.60 µS/cm	1.03 mg/L	0.27 NTU	14.4 mV	28.61 ft	0.42 PSU	110.00 ml/min
8/18/2023 11:05 AM	01:24:00	6.62 pH	20.87 °C	846.07 µS/cm	1.02 mg/L	0.35 NTU	15.4 mV	28.78 ft	0.42 PSU	110.00 ml/min
8/18/2023 11:09 AM	01:28:00	6.62 pH	20.92 °C	846.73 µS/cm	1.01 mg/L	0.17 NTU	14.0 mV	28.94 ft	0.42 PSU	110.00 ml/min
8/18/2023 11:13 AM	01:32:00	6.62 pH	21.09 °C	845.45 µS/cm	0.98 mg/L	0.18 NTU	13.4 mV	29.10 ft	0.42 PSU	110.00 ml/min
8/18/2023 11:17 AM	01:36:00	6.62 pH	21.31 °C	841.41 µS/cm	0.96 mg/L	0.09 NTU	14.3 mV	29.21 ft	0.42 PSU	110.00 ml/min
8/18/2023 11:21 AM	01:40:00	6.62 pH	21.17 °C	840.50 µS/cm	0.91 mg/L	0.21 NTU	13.0 mV	29.33 ft	0.42 PSU	110.00 ml/min
8/18/2023 11:25 AM	01:44:00	6.62 pH	21.40 °C	840.42 µS/cm	0.86 mg/L	0.16 NTU	12.3 mV	29.43 ft	0.42 PSU	110.00 ml/min

Samples

Sample ID:	Description:
BGWC-34D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/24/2023 10:48:27 AM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-35D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.94 ft Total Depth: 80.94 ft Initial Depth to Water: 32.85 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 75.94 ft Estimated Total Volume Pumped: 12360 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.74 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Lowered pump rate to 140 mL/min at 20:00 in attempt to lower turbidity.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/24/2023 10:48 AM	00:00	6.63 pH	21.19 °C	3,679.9 µS/cm	0.34 mg/L	2.09 NTU	100.7 mV	33.51 ft	1.96 PSU	170.00 ml/min
8/24/2023 10:52 AM	04:00	6.69 pH	20.91 °C	3,737.2 µS/cm	0.22 mg/L	3.03 NTU	102.3 mV	33.53 ft	1.99 PSU	170.00 ml/min
8/24/2023 10:56 AM	08:00	6.70 pH	20.88 °C	3,774.7 µS/cm	0.16 mg/L	3.91 NTU	96.8 mV	33.57 ft	2.02 PSU	170.00 ml/min
8/24/2023 11:00 AM	12:00	6.70 pH	21.00 °C	3,782.7 µS/cm	0.10 mg/L	5.11 NTU	93.6 mV	33.59 ft	2.02 PSU	170.00 ml/min
8/24/2023 11:04 AM	16:00	6.71 pH	20.78 °C	3,790.3 µS/cm	0.08 mg/L	7.29 NTU	90.3 mV	33.60 ft	2.02 PSU	170.00 ml/min
8/24/2023 11:08 AM	20:00	6.70 pH	21.03 °C	3,783.0 µS/cm	0.09 mg/L	7.86 NTU	85.1 mV	33.56 ft	2.02 PSU	140.00 ml/min
8/24/2023 11:12 AM	24:00	6.70 pH	20.98 °C	3,766.1 µS/cm	0.08 mg/L	8.98 NTU	82.0 mV	33.55 ft	2.01 PSU	140.00 ml/min
8/24/2023 11:16 AM	28:00	6.71 pH	20.96 °C	3,754.1 µS/cm	0.08 mg/L	13.70 NTU	80.7 mV	33.54 ft	2.00 PSU	140.00 ml/min
8/24/2023 11:20 AM	32:00	6.71 pH	21.09 °C	3,749.2 µS/cm	0.07 mg/L	17.40 NTU	78.4 mV	33.54 ft	2.00 PSU	140.00 ml/min
8/24/2023 11:24 AM	36:00	6.72 pH	21.13 °C	3,740.6 µS/cm	0.07 mg/L	16.80 NTU	76.9 mV	33.54 ft	2.00 PSU	140.00 ml/min
8/24/2023 11:28 AM	40:00	6.73 pH	21.06 °C	3,737.2 µS/cm	0.07 mg/L	15.70 NTU	77.4 mV	33.54 ft	1.99 PSU	140.00 ml/min
8/24/2023 11:32 AM	44:00	6.74 pH	21.01 °C	3,734.0 µS/cm	0.07 mg/L	12.70 NTU	77.1 mV	33.55 ft	1.99 PSU	140.00 ml/min
8/24/2023 11:36 AM	48:00	6.75 pH	21.01 °C	3,721.0 µS/cm	0.06 mg/L	11.42 NTU	76.8 mV	33.55 ft	1.99 PSU	140.00 ml/min
8/24/2023 11:40 AM	52:00	6.76 pH	21.10 °C	3,723.1 µS/cm	0.06 mg/L	9.53 NTU	76.5 mV	33.55 ft	1.99 PSU	140.00 ml/min
8/24/2023 11:44 AM	56:00	6.76 pH	21.15 °C	3,722.4 µS/cm	0.06 mg/L	7.84 NTU	75.9 mV	33.55 ft	1.99 PSU	140.00 ml/min

8/24/2023 11:48 AM	01:00:00	6.77 pH	21.09 °C	3,705.4 µS/cm	0.06 mg/L	7.23 NTU	76.7 mV	33.56 ft	1.98 PSU	140.00 ml/min
8/24/2023 11:52 AM	01:04:00	6.78 pH	20.98 °C	3,708.1 µS/cm	0.06 mg/L	6.72 NTU	76.8 mV	33.56 ft	1.98 PSU	140.00 ml/min
8/24/2023 11:56 AM	01:08:00	6.79 pH	21.13 °C	3,702.4 µS/cm	0.06 mg/L	5.88 NTU	77.0 mV	33.57 ft	1.97 PSU	140.00 ml/min
8/24/2023 12:00 PM	01:12:00	6.78 pH	21.18 °C	3,691.3 µS/cm	0.06 mg/L	5.14 NTU	77.7 mV	33.57 ft	1.97 PSU	140.00 ml/min
8/24/2023 12:04 PM	01:16:00	6.79 pH	21.22 °C	3,696.4 µS/cm	0.06 mg/L	4.59 NTU	77.4 mV	33.58 ft	1.97 PSU	140.00 ml/min
8/24/2023 12:08 PM	01:20:00	6.80 pH	20.91 °C	3,689.2 µS/cm	0.05 mg/L	4.00 NTU	78.1 mV	33.58 ft	1.97 PSU	140.00 ml/min
8/24/2023 12:12 PM	01:24:00	6.80 pH	21.06 °C	3,690.1 µS/cm	0.05 mg/L	3.18 NTU	76.7 mV	33.59 ft	1.97 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-35D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/21/2023 12:32:32 PM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-36D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 86.35 ft Total Depth: 96.35 ft Initial Depth to Water: 34.54 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 91.35 ft Estimated Total Volume Pumped: 5600 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/21/2023 12:32 PM	00:00	6.41 pH	25.48 °C	1,208.8 µS/cm	6.14 mg/L	1.19 NTU	330.1 mV	34.54 ft	0.61 PSU	140.00 ml/min
8/21/2023 12:36 PM	04:00	6.27 pH	23.81 °C	1,264.6 µS/cm	4.06 mg/L	0.88 NTU	569.3 mV	34.54 ft	0.64 PSU	140.00 ml/min
8/21/2023 12:40 PM	08:00	6.38 pH	23.62 °C	1,299.2 µS/cm	2.39 mg/L	0.85 NTU	575.1 mV	34.54 ft	0.66 PSU	140.00 ml/min
8/21/2023 12:44 PM	12:00	6.53 pH	23.30 °C	1,314.2 µS/cm	1.55 mg/L	0.86 NTU	581.6 mV	34.54 ft	0.66 PSU	140.00 ml/min
8/21/2023 12:48 PM	16:00	6.65 pH	23.26 °C	1,321.0 µS/cm	1.13 mg/L	0.98 NTU	575.1 mV	34.54 ft	0.67 PSU	140.00 ml/min
8/21/2023 12:52 PM	20:00	6.73 pH	23.22 °C	1,327.8 µS/cm	0.93 mg/L	1.01 NTU	574.8 mV	34.54 ft	0.67 PSU	140.00 ml/min
8/21/2023 12:56 PM	24:00	6.79 pH	23.30 °C	1,327.4 µS/cm	0.81 mg/L	0.87 NTU	575.2 mV	34.54 ft	0.67 PSU	140.00 ml/min
8/21/2023 1:00 PM	28:00	6.83 pH	23.34 °C	1,329.2 µS/cm	0.74 mg/L	0.94 NTU	575.6 mV	34.54 ft	0.67 PSU	140.00 ml/min
8/21/2023 1:04 PM	32:00	6.86 pH	23.26 °C	1,328.3 µS/cm	0.70 mg/L	0.90 NTU	559.0 mV	34.54 ft	0.67 PSU	140.00 ml/min
8/21/2023 1:08 PM	36:00	6.88 pH	23.43 °C	1,330.1 µS/cm	0.67 mg/L	0.80 NTU	555.3 mV	34.54 ft	0.67 PSU	140.00 ml/min
8/21/2023 1:12 PM	40:00	6.89 pH	23.30 °C	1,327.5 µS/cm	0.66 mg/L	0.79 NTU	560.9 mV	34.54 ft	0.67 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-36D	Metals, Inorganics, TDS, Radium

FD-10

Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/24/2023 1:20:40 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-37D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.5 ft Total Depth: 109.5 ft Initial Depth to Water: 33.33 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 104.5 ft Estimated Total Volume Pumped: 2240 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.47 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/24/2023 1:20 PM	00:00	7.10 pH	22.95 °C	1,135.2 µS/cm	0.25 mg/L	0.72 NTU	6.5 mV	33.80 ft	0.57 PSU	140.00 ml/min
8/24/2023 1:24 PM	04:00	7.05 pH	22.57 °C	1,136.1 µS/cm	0.19 mg/L	0.90 NTU	15.5 mV	33.80 ft	0.57 PSU	140.00 ml/min
8/24/2023 1:28 PM	08:00	7.02 pH	22.40 °C	1,133.0 µS/cm	0.14 mg/L	1.16 NTU	15.9 mV	33.80 ft	0.57 PSU	140.00 ml/min
8/24/2023 1:32 PM	12:00	6.99 pH	22.45 °C	1,138.1 µS/cm	0.12 mg/L	0.81 NTU	15.5 mV	33.80 ft	0.57 PSU	140.00 ml/min
8/24/2023 1:36 PM	16:00	6.98 pH	22.20 °C	1,133.8 µS/cm	0.11 mg/L	0.66 NTU	16.2 mV	33.80 ft	0.57 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-37D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/21/2023 2:34:47 PM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-38D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 118.11 ft Total Depth: 128.11 ft Initial Depth to Water: 33.84 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 123.11 ft Estimated Total Volume Pumped: 14960 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 3.5L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/21/2023 2:34 PM	00:00	5.16 pH	24.08 °C	180.59 µS/cm	3.85 mg/L	4.42 NTU	278.2 mV	33.85 ft	0.09 PSU	170.00 ml/min
8/21/2023 2:38 PM	04:00	4.96 pH	24.13 °C	196.26 µS/cm	3.85 mg/L	2.40 NTU	565.4 mV	33.85 ft	0.09 PSU	170.00 ml/min
8/21/2023 2:42 PM	08:00	4.87 pH	24.14 °C	240.88 µS/cm	3.86 mg/L	1.77 NTU	588.5 mV	33.85 ft	0.12 PSU	170.00 ml/min
8/21/2023 2:46 PM	12:00	4.89 pH	24.03 °C	293.49 µS/cm	3.81 mg/L	1.56 NTU	618.2 mV	33.85 ft	0.14 PSU	170.00 ml/min
8/21/2023 2:50 PM	16:00	5.00 pH	24.11 °C	351.70 µS/cm	3.67 mg/L	1.32 NTU	630.1 mV	33.85 ft	0.17 PSU	170.00 ml/min
8/21/2023 2:54 PM	20:00	5.08 pH	23.98 °C	397.75 µS/cm	3.59 mg/L	1.34 NTU	649.7 mV	33.85 ft	0.19 PSU	170.00 ml/min
8/21/2023 2:58 PM	24:00	5.18 pH	23.91 °C	449.05 µS/cm	3.48 mg/L	1.56 NTU	637.9 mV	33.85 ft	0.22 PSU	170.00 ml/min
8/21/2023 3:02 PM	28:00	5.27 pH	24.09 °C	494.93 µS/cm	3.36 mg/L	1.28 NTU	630.3 mV	33.85 ft	0.24 PSU	170.00 ml/min
8/21/2023 3:06 PM	32:00	5.32 pH	24.02 °C	535.80 µS/cm	3.28 mg/L	1.22 NTU	635.0 mV	33.85 ft	0.26 PSU	170.00 ml/min
8/21/2023 3:10 PM	36:00	5.39 pH	23.91 °C	571.76 µS/cm	3.19 mg/L	1.38 NTU	638.5 mV	33.85 ft	0.28 PSU	170.00 ml/min
8/21/2023 3:14 PM	40:00	5.43 pH	23.80 °C	608.22 µS/cm	3.11 mg/L	1.08 NTU	640.6 mV	33.85 ft	0.30 PSU	170.00 ml/min
8/21/2023 3:18 PM	44:00	5.46 pH	23.80 °C	641.69 µS/cm	3.03 mg/L	1.03 NTU	640.3 mV	33.85 ft	0.32 PSU	170.00 ml/min
8/21/2023 3:22 PM	48:00	5.50 pH	23.94 °C	668.84 µS/cm	2.92 mg/L	1.04 NTU	643.7 mV	33.85 ft	0.33 PSU	170.00 ml/min
8/21/2023 3:26 PM	52:00	5.53 pH	24.02 °C	697.61 µS/cm	2.86 mg/L	1.14 NTU	646.1 mV	33.85 ft	0.34 PSU	170.00 ml/min
8/21/2023 3:30 PM	56:00	5.56 pH	24.08 °C	723.40 µS/cm	2.75 mg/L	1.13 NTU	646.7 mV	33.85 ft	0.36 PSU	170.00 ml/min

8/21/2023 3:34 PM	01:00:00	5.59 pH	24.07 °C	750.61 µS/cm	2.67 mg/L	1.05 NTU	646.9 mV	33.85 ft	0.37 PSU	170.00 ml/min
8/21/2023 3:38 PM	01:04:00	5.62 pH	23.89 °C	766.20 µS/cm	2.59 mg/L	0.87 NTU	650.9 mV	33.85 ft	0.38 PSU	170.00 ml/min
8/21/2023 3:42 PM	01:08:00	5.64 pH	23.72 °C	790.99 µS/cm	2.57 mg/L	1.13 NTU	657.6 mV	33.85 ft	0.39 PSU	170.00 ml/min
8/21/2023 3:46 PM	01:12:00	5.66 pH	23.89 °C	811.21 µS/cm	2.49 mg/L	1.03 NTU	653.5 mV	33.85 ft	0.40 PSU	170.00 ml/min
8/21/2023 3:50 PM	01:16:00	5.68 pH	23.89 °C	833.11 µS/cm	2.43 mg/L	0.92 NTU	653.4 mV	33.85 ft	0.41 PSU	170.00 ml/min
8/21/2023 3:54 PM	01:20:00	5.69 pH	24.06 °C	846.23 µS/cm	2.38 mg/L	1.03 NTU	657.6 mV	33.85 ft	0.42 PSU	170.00 ml/min
8/21/2023 3:58 PM	01:24:00	5.72 pH	24.00 °C	863.71 µS/cm	2.31 mg/L	1.09 NTU	657.3 mV	33.85 ft	0.43 PSU	170.00 ml/min
8/21/2023 4:02 PM	01:28:00	5.74 pH	24.05 °C	881.59 µS/cm	2.25 mg/L	1.07 NTU	661.9 mV	33.85 ft	0.44 PSU	170.00 ml/min

Samples

Sample ID:	Description:
BGWC-38D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/22/2023 2:34:45 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-39 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 18.27 ft Total Depth: 28.27 ft Initial Depth to Water: 20.63 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 23.27 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 2.64 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

DTW historically starts in screen interval and purges dry before 3 well volumes. DTW started in screen. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/22/2023 2:34 PM	00:00	6.66 pH	21.27 °C	2,985.1 µS/cm	2.46 mg/L	0.49 NTU	140.0 mV	21.65 ft	1.57 PSU	160.00 ml/min
8/22/2023 2:38 PM	04:00	6.67 pH	21.45 °C	2,962.3 µS/cm	2.47 mg/L	0.76 NTU	146.2 mV	21.85 ft	1.56 PSU	160.00 ml/min
8/22/2023 2:42 PM	08:00	6.69 pH	20.91 °C	2,947.8 µS/cm	1.78 mg/L	0.77 NTU	148.5 mV	22.13 ft	1.55 PSU	160.00 ml/min
8/22/2023 2:46 PM	12:00	6.70 pH	20.71 °C	2,935.7 µS/cm	1.77 mg/L	0.34 NTU	150.3 mV	22.39 ft	1.54 PSU	160.00 ml/min
8/22/2023 2:50 PM	16:00	6.67 pH	20.82 °C	2,969.4 µS/cm	2.12 mg/L	0.52 NTU	151.3 mV	22.67 ft	1.56 PSU	160.00 ml/min
8/22/2023 2:54 PM	20:00	6.67 pH	20.72 °C	2,941.0 µS/cm	2.07 mg/L	1.18 NTU	152.6 mV	22.99 ft	1.55 PSU	160.00 ml/min
8/22/2023 2:58 PM	24:00	6.67 pH	21.00 °C	3,220.7 µS/cm	3.52 mg/L	1.00 NTU	152.1 mV	23.27 ft	1.70 PSU	160.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/23/2023 12:04:11 PM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-39 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 18.27 ft Total Depth: 28.27 ft Initial Depth to Water: 22.38 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 23.27 ft Estimated Total Volume Pumped: 160 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/23/2023 12:04 PM	00:00	6.79 pH	28.40 °C	2,753.9 µS/cm	2.23 mg/L	0.69 NTU	100.1 mV	22.38 ft	1.44 PSU	120.00 ml/min
8/23/2023 12:04 PM	00:20	6.76 pH	27.08 °C	2,828.4 µS/cm	2.32 mg/L		102.1 mV	22.38 ft	1.49 PSU	120.00 ml/min
8/23/2023 12:04 PM	00:40	6.74 pH	26.46 °C	2,867.0 µS/cm	2.39 mg/L		102.9 mV	22.38 ft	1.51 PSU	120.00 ml/min
8/23/2023 12:05 PM	01:00	6.72 pH	26.11 °C	2,889.7 µS/cm	2.43 mg/L		104.1 mV	22.38 ft	1.52 PSU	120.00 ml/min
8/23/2023 12:05 PM	01:20	6.71 pH	25.86 °C	2,901.8 µS/cm	2.47 mg/L	0.69 NTU	104.9 mV	22.38 ft	1.53 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-39	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/18/2023 10:56:37 AM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-40 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.74 ft Total Depth: 62.74 ft Initial Depth to Water: 25.9 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 57.74 ft Estimated Total Volume Pumped: 3500 ml Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 0.51 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/18/2023 10:56 AM	00:00	6.89 pH	19.62 °C	929.77 µS/cm	1.47 mg/L	0.87 NTU	178.3 mV	26.39 ft	0.46 PSU	125.00 ml/min
8/18/2023 11:00 AM	04:00	6.89 pH	19.11 °C	929.30 µS/cm	1.10 mg/L	0.94 NTU	178.1 mV	26.39 ft	0.46 PSU	125.00 ml/min
8/18/2023 11:04 AM	08:00	6.90 pH	18.95 °C	929.58 µS/cm	0.88 mg/L	0.77 NTU	179.3 mV	26.40 ft	0.46 PSU	125.00 ml/min
8/18/2023 11:08 AM	12:00	6.91 pH	18.97 °C	926.90 µS/cm	0.67 mg/L	0.78 NTU	179.4 mV	26.40 ft	0.46 PSU	125.00 ml/min
8/18/2023 11:12 AM	16:00	6.91 pH	18.95 °C	927.17 µS/cm	0.59 mg/L	0.68 NTU	179.7 mV	26.40 ft	0.46 PSU	125.00 ml/min
8/18/2023 11:16 AM	20:00	6.91 pH	18.93 °C	929.70 µS/cm	0.55 mg/L	0.75 NTU	180.4 mV	26.40 ft	0.46 PSU	125.00 ml/min
8/18/2023 11:20 AM	24:00	6.91 pH	19.00 °C	933.26 µS/cm	0.49 mg/L	0.72 NTU	180.7 mV	26.40 ft	0.46 PSU	125.00 ml/min
8/18/2023 11:24 AM	28:00	6.91 pH	19.07 °C	932.66 µS/cm	0.51 mg/L	0.73 NTU	181.2 mV	26.41 ft	0.46 PSU	125.00 ml/min

Samples

Sample ID:	Description:
BGWC-40	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/23/2023 1:44:55 PM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

<p>Location Name: BGWC-41D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 48.26 ft Total Depth: 58.26 ft Initial Depth to Water: 20.65 ft</p>	<p>Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 53.26 ft Estimated Total Volume Pumped: 9000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 2.47 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789317</p>
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/23/2023 1:44 PM	00:00	7.10 pH	23.38 °C	2,084.7 µS/cm	0.85 mg/L	20.20 NTU	27.0 mV	21.65 ft	1.08 PSU	150.00 ml/min
8/23/2023 1:48 PM	04:00	7.10 pH	22.10 °C	2,131.1 µS/cm	0.69 mg/L	23.00 NTU	3.9 mV	21.92 ft	1.10 PSU	150.00 ml/min
8/23/2023 1:52 PM	08:00	7.10 pH	21.82 °C	2,097.1 µS/cm	0.62 mg/L	23.30 NTU	-5.6 mV	22.10 ft	1.08 PSU	150.00 ml/min
8/23/2023 1:56 PM	12:00	7.08 pH	21.96 °C	2,080.9 µS/cm	0.58 mg/L	20.50 NTU	-12.2 mV	22.25 ft	1.08 PSU	150.00 ml/min
8/23/2023 2:00 PM	16:00	7.08 pH	21.96 °C	2,065.7 µS/cm	0.52 mg/L	16.50 NTU	-16.8 mV	22.35 ft	1.07 PSU	150.00 ml/min
8/23/2023 2:04 PM	20:00	7.08 pH	21.45 °C	2,060.8 µS/cm	0.48 mg/L	12.00 NTU	-20.0 mV	22.50 ft	1.06 PSU	150.00 ml/min
8/23/2023 2:08 PM	24:00	7.09 pH	21.24 °C	2,037.3 µS/cm	0.48 mg/L	15.50 NTU	-19.3 mV	22.61 ft	1.05 PSU	150.00 ml/min
8/23/2023 2:12 PM	28:00	7.09 pH	21.23 °C	2,017.7 µS/cm	0.48 mg/L	9.90 NTU	-19.9 mV	22.70 ft	1.04 PSU	150.00 ml/min
8/23/2023 2:16 PM	32:00	7.09 pH	21.64 °C	2,007.3 µS/cm	0.45 mg/L	10.84 NTU	-21.7 mV	22.75 ft	1.04 PSU	150.00 ml/min
8/23/2023 2:20 PM	36:00	7.08 pH	21.71 °C	2,006.5 µS/cm	0.46 mg/L	9.72 NTU	-22.0 mV	22.82 ft	1.03 PSU	150.00 ml/min
8/23/2023 2:24 PM	40:00	7.08 pH	21.66 °C	1,998.9 µS/cm	0.43 mg/L	7.82 NTU	-20.8 mV	22.85 ft	1.03 PSU	150.00 ml/min
8/23/2023 2:28 PM	44:00	7.09 pH	21.75 °C	1,991.4 µS/cm	0.38 mg/L	5.96 NTU	-21.7 mV	22.92 ft	1.03 PSU	150.00 ml/min
8/23/2023 2:32 PM	48:00	7.09 pH	21.76 °C	1,974.4 µS/cm	0.38 mg/L	5.80 NTU	-19.2 mV	23.01 ft	1.02 PSU	150.00 ml/min
8/23/2023 2:36 PM	52:00	7.09 pH	21.18 °C	1,986.9 µS/cm	0.37 mg/L	4.16 NTU	-19.6 mV	23.05 ft	1.02 PSU	150.00 ml/min
8/23/2023 2:40 PM	56:00	7.10 pH	21.14 °C	1,971.9 µS/cm	0.37 mg/L	4.01 NTU	-17.7 mV	23.08 ft	1.02 PSU	150.00 ml/min

8/23/2023 2:44 PM	01:00:00	7.09 pH	21.73 °C	1,970.6 µS/cm	0.35 mg/L	3.27 NTU	-19.4 mV	23.12 ft	1.02 PSU	150.00 ml/min
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Samples

Sample ID:	Description:
BGWC-41D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/24/2023 2:44:25 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-42D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 143.74 ft Total Depth: 153.74 ft Initial Depth to Water: 34.17 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 148.74 ft Estimated Total Volume Pumped: 5200 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.67 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/24/2023 2:44 PM	00:00	7.10 pH	23.03 °C	1,200.1 µS/cm	0.19 mg/L	0.48 NTU	-236.7 mV	34.79 ft	0.60 PSU	130.00 ml/min
8/24/2023 2:48 PM	04:00	6.90 pH	23.19 °C	1,197.3 µS/cm	0.18 mg/L	0.79 NTU	-236.1 mV	34.79 ft	0.60 PSU	130.00 ml/min
8/24/2023 2:52 PM	08:00	6.90 pH	23.26 °C	1,174.3 µS/cm	0.16 mg/L	0.61 NTU	-234.0 mV	34.80 ft	0.59 PSU	130.00 ml/min
8/24/2023 2:56 PM	12:00	6.92 pH	22.56 °C	1,131.2 µS/cm	0.16 mg/L	0.55 NTU	-232.6 mV	34.80 ft	0.57 PSU	130.00 ml/min
8/24/2023 3:00 PM	16:00	6.92 pH	22.54 °C	1,095.2 µS/cm	0.15 mg/L	0.48 NTU	-232.6 mV	34.81 ft	0.55 PSU	130.00 ml/min
8/24/2023 3:04 PM	20:00	6.94 pH	22.70 °C	1,059.1 µS/cm	0.15 mg/L	0.48 NTU	-231.7 mV	34.82 ft	0.53 PSU	130.00 ml/min
8/24/2023 3:08 PM	24:00	6.94 pH	22.61 °C	1,030.8 µS/cm	0.15 mg/L	0.40 NTU	-230.6 mV	34.83 ft	0.52 PSU	130.00 ml/min
8/24/2023 3:12 PM	28:00	6.95 pH	22.97 °C	1,008.3 µS/cm	0.15 mg/L	0.43 NTU	-229.9 mV	34.84 ft	0.50 PSU	130.00 ml/min
8/24/2023 3:16 PM	32:00	6.96 pH	23.08 °C	984.13 µS/cm	0.15 mg/L	0.41 NTU	-229.8 mV	34.84 ft	0.49 PSU	130.00 ml/min
8/24/2023 3:20 PM	36:00	6.97 pH	22.99 °C	970.85 µS/cm	0.15 mg/L	0.53 NTU	-228.4 mV	34.84 ft	0.48 PSU	130.00 ml/min
8/24/2023 3:24 PM	40:00	6.98 pH	22.79 °C	951.75 µS/cm	0.15 mg/L	0.46 NTU	-227.7 mV	34.84 ft	0.47 PSU	130.00 ml/min

Samples

Sample ID:	Description:
BGWC-42D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/23/2023 10:04:37 AM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-43D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 156.01 ft Total Depth: 166.01 ft Initial Depth to Water: 33.75 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 161.01 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Prepurge 2.5L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/23/2023 10:04 AM	00:00	6.79 pH	28.74 °C	1,996.2 µS/cm	3.28 mg/L	51.20 NTU	44.2 mV	33.75 ft	1.03 PSU	150.00 ml/min
8/23/2023 10:08 AM	04:00	6.76 pH	25.51 °C	2,097.0 µS/cm	0.18 mg/L	12.80 NTU	50.3 mV	33.75 ft	1.08 PSU	150.00 ml/min
8/23/2023 10:12 AM	08:00	6.76 pH	25.09 °C	2,109.9 µS/cm	0.14 mg/L	5.57 NTU	51.2 mV	33.75 ft	1.09 PSU	150.00 ml/min
8/23/2023 10:16 AM	12:00	6.77 pH	25.43 °C	2,104.6 µS/cm	0.11 mg/L	4.02 NTU	50.8 mV	33.75 ft	1.09 PSU	150.00 ml/min
8/23/2023 10:20 AM	16:00	6.77 pH	25.58 °C	2,095.3 µS/cm	0.10 mg/L	2.34 NTU	50.3 mV	33.75 ft	1.08 PSU	150.00 ml/min
8/23/2023 10:24 AM	20:00	6.77 pH	25.32 °C	2,107.1 µS/cm	0.08 mg/L	1.02 NTU	49.6 mV	33.75 ft	1.09 PSU	150.00 ml/min

Samples

Sample ID:	Description:
BGWC-43D	Metals, Inorganics, TDS, Radium
FD-11	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/15/2023 10:12:41 AM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-44D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 132.79 ft Total Depth: 142.79 ft Initial Depth to Water: 49.61 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 137.79 ft Estimated Total Volume Pumped: 5760 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 4.57 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/15/2023 10:12 AM	00:00	7.61 pH	21.30 °C	599.10 µS/cm	0.54 mg/L	1.14 NTU	45.4 mV	51.31 ft	0.29 PSU	120.00 ml/min
8/15/2023 10:16 AM	04:00	7.61 pH	21.03 °C	613.03 µS/cm	0.41 mg/L	1.25 NTU	27.2 mV	51.88 ft	0.30 PSU	120.00 ml/min
8/15/2023 10:20 AM	08:00	7.59 pH	21.24 °C	613.70 µS/cm	0.35 mg/L	1.04 NTU	8.9 mV	52.22 ft	0.30 PSU	120.00 ml/min
8/15/2023 10:24 AM	12:00	7.58 pH	21.20 °C	614.22 µS/cm	0.31 mg/L	1.03 NTU	-1.8 mV	52.55 ft	0.30 PSU	120.00 ml/min
8/15/2023 10:28 AM	16:00	7.58 pH	21.05 °C	614.36 µS/cm	0.28 mg/L	1.04 NTU	-7.4 mV	52.82 ft	0.30 PSU	120.00 ml/min
8/15/2023 10:32 AM	20:00	7.57 pH	20.98 °C	618.16 µS/cm	0.27 mg/L	0.89 NTU	-10.6 mV	53.10 ft	0.30 PSU	120.00 ml/min
8/15/2023 10:36 AM	24:00	7.58 pH	20.67 °C	618.51 µS/cm	0.26 mg/L	0.93 NTU	-10.5 mV	53.32 ft	0.30 PSU	120.00 ml/min
8/15/2023 10:40 AM	28:00	7.57 pH	20.84 °C	621.73 µS/cm	0.26 mg/L	0.59 NTU	-10.9 mV	53.53 ft	0.30 PSU	120.00 ml/min
8/15/2023 10:44 AM	32:00	7.57 pH	20.76 °C	621.75 µS/cm	0.25 mg/L	1.10 NTU	-7.2 mV	53.71 ft	0.30 PSU	120.00 ml/min
8/15/2023 10:48 AM	36:00	7.57 pH	20.96 °C	624.23 µS/cm	0.25 mg/L	0.94 NTU	-4.8 mV	53.85 ft	0.31 PSU	120.00 ml/min
8/15/2023 10:52 AM	40:00	7.58 pH	20.66 °C	622.38 µS/cm	0.25 mg/L	0.82 NTU	-1.0 mV	53.97 ft	0.31 PSU	120.00 ml/min
8/15/2023 10:56 AM	44:00	7.57 pH	20.89 °C	626.12 µS/cm	0.25 mg/L	0.96 NTU	0.7 mV	54.10 ft	0.31 PSU	120.00 ml/min
8/15/2023 11:00 AM	48:00	7.57 pH	20.81 °C	623.48 µS/cm	0.25 mg/L	0.69 NTU	4.6 mV	54.18 ft	0.31 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-44D	Metals, Inorganics, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/15/2023 12:45:41 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWA-47D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 144.96 ft Total Depth: 154.96 ft Initial Depth to Water: 62.74 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 149.96 ft Estimated Total Volume Pumped: 2080 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 4 L

Prepurged 3 L before lightning delay.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/15/2023 12:45 PM	00:00	6.62 pH	22.07 °C	651.18 µS/cm	0.67 mg/L	1.78 NTU	123.1 mV	62.76 ft	0.32 PSU	130.00 ml/min
8/15/2023 12:49 PM	04:00	6.62 pH	21.59 °C	654.42 µS/cm	0.54 mg/L	1.88 NTU	133.1 mV	62.76 ft	0.32 PSU	130.00 ml/min
8/15/2023 12:53 PM	08:00	6.62 pH	21.48 °C	656.47 µS/cm	0.49 mg/L	1.85 NTU	134.6 mV	62.76 ft	0.32 PSU	130.00 ml/min
8/15/2023 12:57 PM	12:00	6.62 pH	21.21 °C	657.00 µS/cm	0.45 mg/L	1.75 NTU	135.8 mV	62.76 ft	0.32 PSU	130.00 ml/min
8/15/2023 1:01 PM	16:00	6.62 pH	20.98 °C	657.40 µS/cm	0.43 mg/L	1.70 NTU	136.6 mV	62.76 ft	0.32 PSU	130.00 ml/min

Samples

Sample ID:	Description:
BGWA-47D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/16/2023 10:27:20 AM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWA-48D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 184.79 ft Total Depth: 194.79 ft Initial Depth to Water: 62.58 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 189.79 ft Estimated Total Volume Pumped: 4000 ml Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 3.64 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/16/2023 10:27 AM	00:00	6.78 pH	19.95 °C	459.51 µS/cm	0.52 mg/L	0.44 NTU	-19.5 mV	64.87 ft	0.22 PSU	125.00 ml/min
8/16/2023 10:31 AM	04:00	6.81 pH	19.96 °C	444.43 µS/cm	0.47 mg/L	0.34 NTU	-14.6 mV	65.06 ft	0.22 PSU	125.00 ml/min
8/16/2023 10:35 AM	08:00	6.85 pH	19.89 °C	444.22 µS/cm	0.47 mg/L	0.43 NTU	-12.1 mV	65.28 ft	0.22 PSU	125.00 ml/min
8/16/2023 10:39 AM	12:00	6.90 pH	20.02 °C	442.19 µS/cm	0.44 mg/L	0.31 NTU	-8.9 mV	65.48 ft	0.21 PSU	125.00 ml/min
8/16/2023 10:43 AM	16:00	6.92 pH	19.78 °C	444.37 µS/cm	0.43 mg/L	0.24 NTU	-10.5 mV	65.66 ft	0.22 PSU	125.00 ml/min
8/16/2023 10:47 AM	20:00	6.93 pH	20.16 °C	442.91 µS/cm	0.42 mg/L	0.25 NTU	-16.8 mV	65.81 ft	0.21 PSU	125.00 ml/min
8/16/2023 10:51 AM	24:00	6.94 pH	20.18 °C	443.12 µS/cm	0.41 mg/L	0.15 NTU	-17.6 mV	65.95 ft	0.22 PSU	125.00 ml/min
8/16/2023 10:55 AM	28:00	6.95 pH	19.94 °C	442.23 µS/cm	0.40 mg/L	0.14 NTU	-20.9 mV	66.09 ft	0.21 PSU	125.00 ml/min
8/16/2023 10:59 AM	32:00	6.94 pH	19.98 °C	444.27 µS/cm	0.40 mg/L	0.14 NTU	-22.4 mV	66.22 ft	0.22 PSU	125.00 ml/min

Samples

Sample ID:	Description:
BGWA-48D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/22/2023 10:53:35 AM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-49D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 300.68 ft Total Depth: 310.68 ft Initial Depth to Water: 33.55 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 305.68 ft Estimated Total Volume Pumped: 34240 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 23.4 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/22/2023 10:53 AM	00:00	6.71 pH	23.21 °C	1,729.9 µS/cm	0.21 mg/L	4.09 NTU	-158.9 mV	34.86 ft	0.89 PSU	150.00 ml/min
8/22/2023 10:57 AM	04:00	6.71 pH	22.90 °C	1,989.7 µS/cm	0.14 mg/L	3.55 NTU	205.9 mV	35.77 ft	1.03 PSU	150.00 ml/min
8/22/2023 11:01 AM	08:00	6.68 pH	22.84 °C	2,018.8 µS/cm	0.11 mg/L	2.15 NTU	343.3 mV	36.60 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:05 AM	12:00	6.69 pH	22.87 °C	2,018.7 µS/cm	0.09 mg/L	2.26 NTU	371.6 mV	37.39 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:09 AM	16:00	6.72 pH	22.88 °C	2,018.3 µS/cm	0.08 mg/L	1.96 NTU	381.8 mV	38.12 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:13 AM	20:00	6.74 pH	23.01 °C	2,017.8 µS/cm	0.08 mg/L	2.16 NTU	384.7 mV	38.80 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:17 AM	24:00	6.75 pH	23.10 °C	2,012.7 µS/cm	0.07 mg/L	1.92 NTU	394.6 mV	39.51 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:21 AM	28:00	6.76 pH	23.08 °C	2,016.5 µS/cm	0.07 mg/L	2.37 NTU	404.3 mV	40.10 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:25 AM	32:00	6.76 pH	23.09 °C	2,015.7 µS/cm	0.06 mg/L	2.59 NTU	407.6 mV	40.70 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:29 AM	36:00	6.76 pH	23.20 °C	2,017.2 µS/cm	0.06 mg/L	2.25 NTU	410.4 mV	41.25 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:33 AM	40:00	6.76 pH	23.22 °C	2,018.7 µS/cm	0.06 mg/L	2.10 NTU	413.5 mV	41.82 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:37 AM	44:00	6.76 pH	23.36 °C	2,012.4 µS/cm	0.06 mg/L	2.13 NTU	420.8 mV	42.35 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:41 AM	48:00	6.76 pH	23.37 °C	2,014.2 µS/cm	0.05 mg/L	2.13 NTU	420.8 mV	42.88 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:45 AM	52:00	6.75 pH	23.36 °C	2,017.3 µS/cm	0.05 mg/L	2.20 NTU	424.7 mV	43.37 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:49 AM	56:00	6.76 pH	23.44 °C	2,016.7 µS/cm	0.05 mg/L	2.00 NTU	426.4 mV	43.85 ft	1.04 PSU	150.00 ml/min

8/22/2023 11:53 AM	01:00:00	6.76 pH	23.49 °C	2,016.0 µS/cm	0.05 mg/L	2.23 NTU	435.8 mV	44.29 ft	1.04 PSU	150.00 ml/min
8/22/2023 11:57 AM	01:04:00	6.77 pH	23.60 °C	2,015.1 µS/cm	0.05 mg/L	1.77 NTU	447.4 mV	44.70 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:01 PM	01:08:00	6.77 pH	23.60 °C	2,013.3 µS/cm	0.05 mg/L	1.80 NTU	451.2 mV	45.13 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:05 PM	01:12:00	6.78 pH	23.60 °C	2,014.2 µS/cm	0.05 mg/L	1.61 NTU	449.2 mV	45.55 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:09 PM	01:16:00	6.78 pH	23.62 °C	2,015.2 µS/cm	0.05 mg/L	1.62 NTU	456.9 mV	45.96 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:13 PM	01:20:00	6.78 pH	23.64 °C	2,015.3 µS/cm	0.05 mg/L	0.74 NTU	455.0 mV	46.30 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:17 PM	01:24:00	6.79 pH	23.66 °C	2,012.3 µS/cm	0.05 mg/L	1.60 NTU	463.7 mV	46.75 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:21 PM	01:28:00	6.80 pH	23.76 °C	2,013.2 µS/cm	0.05 mg/L	1.50 NTU	494.2 mV	47.12 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:25 PM	01:32:00	6.80 pH	23.80 °C	2,017.7 µS/cm	0.05 mg/L	1.48 NTU	489.0 mV	47.49 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:29 PM	01:36:00	6.80 pH	23.89 °C	2,015.0 µS/cm	0.05 mg/L	1.47 NTU	487.5 mV	47.81 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:33 PM	01:40:00	6.81 pH	23.89 °C	2,013.0 µS/cm	0.05 mg/L	1.47 NTU	478.4 mV	48.17 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:37 PM	01:44:00	6.81 pH	23.85 °C	2,016.8 µS/cm	0.05 mg/L	1.45 NTU	480.8 mV	48.50 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:41 PM	01:48:00	6.81 pH	23.84 °C	2,017.2 µS/cm	0.04 mg/L	1.66 NTU	487.9 mV	48.83 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:45 PM	01:52:00	6.82 pH	23.98 °C	2,020.8 µS/cm	0.05 mg/L	1.48 NTU	490.0 mV	49.13 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:49 PM	01:56:00	6.82 pH	24.02 °C	2,016.5 µS/cm	0.05 mg/L	1.41 NTU	491.6 mV	49.42 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:53 PM	02:00:00	6.83 pH	23.93 °C	2,017.2 µS/cm	0.05 mg/L	1.32 NTU	497.3 mV	49.75 ft	1.04 PSU	150.00 ml/min
8/22/2023 12:57 PM	02:04:00	6.83 pH	23.98 °C	2,017.3 µS/cm	0.05 mg/L	1.49 NTU	503.6 mV	50.08 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:01 PM	02:08:00	6.83 pH	24.07 °C	2,019.9 µS/cm	0.05 mg/L	1.47 NTU	509.4 mV	50.38 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:05 PM	02:12:00	6.84 pH	24.07 °C	2,018.6 µS/cm	0.05 mg/L	1.62 NTU	506.6 mV	50.68 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:09 PM	02:16:00	6.84 pH	24.12 °C	2,020.3 µS/cm	0.05 mg/L	1.71 NTU	508.1 mV	50.91 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:13 PM	02:20:00	6.86 pH	24.07 °C	2,019.3 µS/cm	0.05 mg/L	1.44 NTU	516.4 mV	51.20 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:17 PM	02:24:00	6.86 pH	24.07 °C	2,016.6 µS/cm	0.05 mg/L	1.37 NTU	522.7 mV	51.46 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:21 PM	02:28:00	6.86 pH	24.16 °C	2,014.4 µS/cm	0.05 mg/L	1.52 NTU	523.4 mV	51.75 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:25 PM	02:32:00	6.87 pH	24.16 °C	2,014.8 µS/cm	0.05 mg/L	1.37 NTU	526.6 mV	52.03 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:29 PM	02:36:00	6.87 pH	24.27 °C	2,013.2 µS/cm	0.04 mg/L	1.30 NTU	536.5 mV	52.31 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:33 PM	02:40:00	6.87 pH	24.33 °C	2,021.2 µS/cm	0.05 mg/L	1.31 NTU	539.9 mV	52.59 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:37 PM	02:44:00	6.88 pH	24.25 °C	2,018.3 µS/cm	0.05 mg/L	1.48 NTU	530.2 mV	52.85 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:41 PM	02:48:00	6.89 pH	24.34 °C	2,022.1 µS/cm	0.04 mg/L	1.26 NTU	529.2 mV	53.05 ft	1.04 PSU	150.00 ml/min
8/22/2023 1:45 PM	02:52:00	6.90 pH	24.11 °C	2,019.5 µS/cm	0.04 mg/L	1.31 NTU	537.8 mV	53.33 ft	1.04 PSU	150.00 ml/min

8/22/2023 1:49 PM	02:56:00	6.90 pH	24.13 °C	2,025.6 µS/cm	0.04 mg/L	1.30 NTU	531.8 mV	53.60 ft	1.05 PSU	150.00 ml/min
8/22/2023 1:53 PM	03:00:00	6.91 pH	24.20 °C	2,025.3 µS/cm	0.05 mg/L	1.24 NTU	527.7 mV	53.86 ft	1.05 PSU	130.00 ml/min
8/22/2023 1:57 PM	03:04:00	6.91 pH	24.16 °C	2,024.8 µS/cm	0.04 mg/L	0.99 NTU	528.6 mV	54.10 ft	1.05 PSU	130.00 ml/min
8/22/2023 2:01 PM	03:08:00	6.92 pH	24.11 °C	2,025.1 µS/cm	0.04 mg/L	1.16 NTU	525.1 mV	54.35 ft	1.05 PSU	130.00 ml/min
8/22/2023 2:05 PM	03:12:00	6.92 pH	24.08 °C	2,029.6 µS/cm	0.05 mg/L	1.15 NTU	521.3 mV	54.60 ft	1.05 PSU	130.00 ml/min
8/22/2023 2:09 PM	03:16:00	6.93 pH	24.02 °C	2,030.0 µS/cm	0.04 mg/L	1.06 NTU	523.9 mV	54.82 ft	1.05 PSU	130.00 ml/min
8/22/2023 2:13 PM	03:20:00	6.93 pH	24.15 °C	2,029.1 µS/cm	0.05 mg/L	0.78 NTU	523.3 mV	55.05 ft	1.05 PSU	110.00 ml/min
8/22/2023 2:17 PM	03:24:00	6.93 pH	24.40 °C	2,035.7 µS/cm	0.05 mg/L	1.12 NTU	525.5 mV	55.25 ft	1.05 PSU	110.00 ml/min
8/22/2023 2:21 PM	03:28:00	6.93 pH	24.39 °C	2,036.3 µS/cm	0.05 mg/L	1.19 NTU	531.8 mV	55.42 ft	1.05 PSU	110.00 ml/min
8/22/2023 2:25 PM	03:32:00	6.93 pH	24.46 °C	2,033.9 µS/cm	0.05 mg/L	1.17 NTU	535.8 mV	55.61 ft	1.05 PSU	110.00 ml/min
8/22/2023 2:29 PM	03:36:00	6.93 pH	24.42 °C	2,040.1 µS/cm	0.05 mg/L	0.95 NTU	544.3 mV	55.80 ft	1.05 PSU	110.00 ml/min
8/22/2023 2:33 PM	03:40:00	6.94 pH	24.45 °C	2,038.9 µS/cm	0.05 mg/L	1.01 NTU	549.6 mV	56.00 ft	1.05 PSU	110.00 ml/min
8/22/2023 2:37 PM	03:44:00	6.94 pH	24.56 °C	2,041.7 µS/cm	0.05 mg/L	1.12 NTU	591.4 mV	56.20 ft	1.05 PSU	100.00 ml/min
8/22/2023 2:41 PM	03:48:00	6.94 pH	24.63 °C	2,037.4 µS/cm	0.05 mg/L	1.21 NTU	564.0 mV	56.38 ft	1.05 PSU	100.00 ml/min
8/22/2023 2:45 PM	03:52:00	6.94 pH	24.43 °C	2,037.2 µS/cm	0.05 mg/L	1.10 NTU	565.5 mV	56.55 ft	1.05 PSU	100.00 ml/min
8/22/2023 2:49 PM	03:56:00	6.95 pH	24.39 °C	2,038.6 µS/cm	0.05 mg/L	1.14 NTU	564.8 mV	56.65 ft	1.05 PSU	100.00 ml/min
8/22/2023 2:53 PM	04:00:00	6.94 pH	24.52 °C	2,051.2 µS/cm	0.06 mg/L	0.98 NTU	568.9 mV	56.80 ft	1.06 PSU	100.00 ml/min
8/22/2023 2:57 PM	04:04:00	6.94 pH	24.58 °C	2,046.6 µS/cm	0.06 mg/L	1.01 NTU	573.8 mV	56.95 ft	1.06 PSU	100.00 ml/min

Samples

Sample ID:	Description:
BGWC-49D	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/15/2023 2:39:39 PM

Project: Plant Bowen AP August 2023

Operator Name: Meredith Duncan

Location Name: BGWC-50D Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 177.28 ft Total Depth: 187.28 ft Initial Depth to Water: 51.1 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 182.28 ft Estimated Total Volume Pumped: 4320 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 2.45 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
8/15/2023 2:39 PM	00:00	7.31 pH	21.75 °C	942.11 µS/cm	2.27 mg/L	3.58 NTU	49.0 mV	51.82 ft	0.47 PSU	120.00 ml/min
8/15/2023 2:43 PM	04:00	7.11 pH	20.54 °C	1,010.6 µS/cm	0.87 mg/L	5.44 NTU	37.5 mV	52.22 ft	0.50 PSU	120.00 ml/min
8/15/2023 2:47 PM	08:00	6.99 pH	20.42 °C	1,194.7 µS/cm	0.66 mg/L	5.50 NTU	2.1 mV	52.53 ft	0.60 PSU	120.00 ml/min
8/15/2023 2:51 PM	12:00	6.90 pH	20.41 °C	1,220.2 µS/cm	0.51 mg/L	4.69 NTU	-13.1 mV	52.83 ft	0.61 PSU	120.00 ml/min
8/15/2023 2:55 PM	16:00	6.84 pH	20.49 °C	1,268.5 µS/cm	0.43 mg/L	3.98 NTU	-32.8 mV	53.03 ft	0.64 PSU	120.00 ml/min
8/15/2023 2:59 PM	20:00	6.80 pH	20.55 °C	1,275.6 µS/cm	0.36 mg/L	3.16 NTU	-42.3 mV	53.20 ft	0.64 PSU	120.00 ml/min
8/15/2023 3:03 PM	24:00	6.78 pH	20.85 °C	1,269.5 µS/cm	0.32 mg/L	3.32 NTU	-48.2 mV	53.34 ft	0.64 PSU	120.00 ml/min
8/15/2023 3:07 PM	28:00	6.78 pH	21.10 °C	1,261.9 µS/cm	0.30 mg/L	2.85 NTU	-52.5 mV	53.45 ft	0.64 PSU	120.00 ml/min
8/15/2023 3:11 PM	32:00	6.78 pH	21.25 °C	1,249.4 µS/cm	0.28 mg/L	3.39 NTU	-55.0 mV	53.52 ft	0.63 PSU	120.00 ml/min
8/15/2023 3:15 PM	36:00	6.80 pH	21.23 °C	1,228.0 µS/cm	0.27 mg/L	2.67 NTU	-57.4 mV	53.55 ft	0.62 PSU	120.00 ml/min

Samples

Sample ID:	Description:
BGWC-50D	Metals, Inorganics, TDS, Radium
FD-08	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/21/2023 3:28:15 PM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-51 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.29 ft Total Depth: 67.29 ft Initial Depth to Water: 44.41 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 62.29 ft Estimated Total Volume Pumped: 2240 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/21/2023 3:28 PM	00:00	6.81 pH	20.88 °C	908.33 µS/cm	1.54 mg/L	1.70 NTU	116.0 mV	44.45 ft	0.45 PSU	140.00 ml/min
8/21/2023 3:32 PM	04:00	6.80 pH	20.66 °C	903.61 µS/cm	1.53 mg/L	1.42 NTU	131.0 mV	44.45 ft	0.45 PSU	140.00 ml/min
8/21/2023 3:36 PM	08:00	6.80 pH	20.64 °C	904.26 µS/cm	1.51 mg/L	1.12 NTU	133.7 mV	44.45 ft	0.45 PSU	140.00 ml/min
8/21/2023 3:40 PM	12:00	6.81 pH	20.42 °C	900.82 µS/cm	1.48 mg/L	1.31 NTU	135.7 mV	44.45 ft	0.45 PSU	140.00 ml/min
8/21/2023 3:44 PM	16:00	6.79 pH	20.48 °C	906.90 µS/cm	1.49 mg/L	0.69 NTU	136.1 mV	44.45 ft	0.45 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-51	Metals, Inorganics, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/22/2023 11:06:11 AM

Project: Plant Bowen AP August 2023

Operator Name: William Laaker

Location Name: BGWC-52 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 72.18 ft Total Depth: 82.18 ft Initial Depth to Water: 44.36 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 77.18 ft Estimated Total Volume Pumped: 2240 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/22/2023 11:06 AM	00:00	7.15 pH	20.06 °C	650.65 µS/cm	0.84 mg/L	2.01 NTU	157.9 mV	44.45 ft	0.32 PSU	140.00 ml/min
8/22/2023 11:10 AM	04:00	7.16 pH	20.22 °C	647.03 µS/cm	0.85 mg/L	2.59 NTU	151.4 mV	44.46 ft	0.32 PSU	140.00 ml/min
8/22/2023 11:14 AM	08:00	7.15 pH	20.18 °C	646.29 µS/cm	0.85 mg/L	1.10 NTU	148.7 mV	44.46 ft	0.32 PSU	140.00 ml/min
8/22/2023 11:18 AM	12:00	7.14 pH	20.11 °C	643.98 µS/cm	0.88 mg/L	1.14 NTU	147.4 mV	44.46 ft	0.32 PSU	140.00 ml/min
8/22/2023 11:22 AM	16:00	7.13 pH	20.02 °C	642.82 µS/cm	0.87 mg/L	0.91 NTU	146.2 mV	44.46 ft	0.32 PSU	140.00 ml/min

Samples

Sample ID:	Description:
BGWC-52	Metals, Inorganics, TDS, Radium

Pre-Design Investigation Events

June – October 2023

30-40 packer section



GROUNDWATER SAMPLING LOG SHEET

Client: APC
 Site: BOWEN
 Well ID: BWA-PD1-02
 Total Depth (ft): 70
 Depth to Water (ft): 26.65 w/ packer from
 Well Diameter (in): 2.8
 Well Volume (gal) - 0.04 ft³: 5.3
 Well Volume (l) - 1 gal = 3.785: -
 Well Type: Flush / Stuck Lip
 Well Lock: Yes / No
 Well Cap Condition: Good / Replace
 Well Tag Present: Yes / No

Project No: GWB081H
 Location: Euhanlee, GA
 Pump Type/Model: ESP
 Lining Material: LDPE
 Pump Intake Depth (ft): 31
 Start/Stop Purge Time: 1124/1233
 Purge Rate (ml/min): 1500/300
 Total Purge Volume (l): 21.9
 Purge Method: Low-Flow Well Volume
 Sampling Method: Pump Discharge

Sampling Date: 6/19/23
 Sample's Name: Tristan
 Sample Collection Time: 1233
 Sample Purge Rate (ml/min): 300
 Sample ID: Bov. 01-02-46-103219-1
 Laboratory Analysis: Co, B
 QA/QC Collected: -
 QA/QC ID: -

All sample containers requiring chemical preservation properly preserved prior to demob from well? Yes No

Time	pH (SI)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft bnc)	Purge Rate (ml/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1125	7.15	3198.4	280.3	1.81	29.07	124.00	26.65	300	11.5	cloudy
1130	7.13	4071.1	190.1	0.07	21.07	40.1	26.65	300	3	
1135	7.09	4586.5	109.9	0.13	23.23	25.80	26.65	300	4.5	
1140	7.12	4463.8	-64.3	0.10	24.81	20.10	26.65	300	6	
1145	7.10	4290.0	-83.6	0.19	24.98	19.10	26.65	300	7.5	
1150	7.22	4403.6	-94.1	0.22	24.62	17.40	26.65	300	9.0	
1155	7.28	4381.9	-101.9	0.23	23.75	15.90	26.65	300	10.5	
1200	7.34	4401.6	-57.6	0.24	23.15	17.40	26.65	300	12	
1205	7.38	4413.4	-112.3	0.25	23.21	13.20	26.65	300	13.5	
1210	7.41	4410.5	-115.1	0.24	23.68	13.40	26.65	300	15	
1215	7.44	4330.3	-115.9	0.24	23.77	11.70	26.65	300	16.5	
1220	7.50	4326.0	-126.6	0.24	23.73	12.35	26.65	300	18	
1225	7.54	4273.0	-119.2	0.23	23.51	12.13	26.65	300	19.5	
1230	7.63	4211.7	-108.8	0.22	23.22	10.34	26.65	300	21.0	
1233	-	-	-	-	-	Final Sample	-	300	21.9	
<p>Stabilizing Criteria: <input checked="" type="checkbox"/> ±0.1 SI, <input checked="" type="checkbox"/> ±5%, <input checked="" type="checkbox"/> 0.2 mg/L or 10 µS/cm DO, <input checked="" type="checkbox"/> < 5 NTUs turbidity, <input checked="" type="checkbox"/> < 0.3 ft DTW, <input checked="" type="checkbox"/> > 100 mL < 150 mL purge volume, <input checked="" type="checkbox"/> > 3L purged volume</p>										



GROUNDWATER SAMPLING LOG SHEET

Client: SCS
 Site: Plant Bowen
 Well ID: BOW-POI-03
 Total Depth (ft): 70'
 Depth to Water (ft): 25.9'
 Well Diameter (in): 5" (2" w/packer)
 Well Volume (gal) = 0.011 ft³: (1.64) 45.20
 Well Volume (L) = 0.03785 ft³: (6.21) 171.08
 d = well diameter (inches), L = length of filter column (feet)
 Well Type: N/A Flush: Soak Up
 Well Lock: Yes No: No
 Well Cap Condition: Good Replaced: No
 Well Tag Present: Yes No: No

Project No: GW65814/01/05
 Location: Plant Bowen AP-1
 Pump Type/Model: Mega monsoon Proactive (26")
 Tubing Material: Polyethylene
 Pump Inlets Depth (ft): ~32 (27-37 interval)
 Start/Stop Purge Time: 1027 / 1153
 Purge Rate (mL/min): 1280
 Total Purge Volume (L): 71.12
 Purge Method: Low-Flow Well Volume: Other
 Sampling Method: Pump Discharge Other: Other

Sampling Date: 7/25/2023
 Sampler's Name: Shawn Volk
 Sample Collection Time: 1153
 Sample Purge Rate (L/min): 1280
 Sample ID: BOW-POI-03-W6-20230725-32-0
 Laboratory Analysis: Groundwater Metals - Iron + Cobalt
 QA/QC Collected? Yes
 QA/QC ID: BOW-POI-W6-FD-20230725

All sample containers requiring chemical preservation properly preserved prior to demoh from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTU)	DTW (ft below)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather, etc.)
1022							25.9'			
1027								1660		start pumping
1032	7.25	2360	46.3	2.15	19.7	179	27.8	1660	8.3	
1037	7.33	2241	37.2	1.64	19.6	324	29.0	1660	16.6	
1042	7.34	2192	62.9	1.44	19.6	651	29.5	1660	24.9	
1047	7.36	2215	64.5	1.81	19.9	637	30.6	1660	33.2	
1051								300	34.7	lower flow rate
1052	7.39	2194	62.7	1.80	22.3			300	36.2	
1053						578	31.2	920	37.7	higher flow rate
1057	7.42	2233	65.6	2.72	20.8	378	31.6	920	42.3	pump rate slowing down
1102	7.44	2264	62.9	4.11	21.0	232	below 32	1260	56.9	pump rate increase
1105									53.2	pump stopped to recharge
1137							29.2	1280	53.2	start pump
1142	7.55	2308	120.4	5.78	19.8	38.7	29.7	1280	59.6	switch to 3 minute intervals to preserve water
1145	7.53	2319	114.0	5.09	19.9	81.6	30.4	1280	62.44	
1148	7.52	2325	117.5	4.91	20.3	84.4	30.9	1280	67.28	
1151	7.51	2320	116.0	4.67	20.6	68.3	31.4	1280	71.12	
1153										sampling (w/ filter) through filter
1154							31.8	775% = 27.4'		pump off start recovering for specific capacity
Stabilizing Criteria	±0.1 SU	±5%				< 5 NTUs	< 0.3 ft	> 100 mL < 250 mL	> 1L	

1321 @ POI-03, water level.
 1330 → QA/QC FB & EB collected

27.1



GROUNDWATER SAMPLING LOG SHEET

Client: SCS Project No: GW 65814/09/05 Sampling Date: 7/25/2023
 Site: Plant Bowen Location: Plant Bowen AP-1 Sampler's Name: Eliane Volk
 Well ID: BOW-POI-01 Pump Type/Model: Memmonson Positive (20") Sample Collection Time: 1849
 Total Depth (ft): 70 (52 currently) Tubing Material: Polyethylene Sample Volume (mL): 1800
 Depth to Water (ft): 26.3 Pump Intake Depth (ft): ~38 (33-43 interval) Sample ID: BOW-POI-01-WG-20230729-38.0
 Well Diameter (in): 5" (2" w/packer) Start/Stop Pump Time: 1709/1849 Laboratory Analyses: Dissolved Metals: Boron + Cadm
 Well Volume (gal) = 0.04 (ft³): 44.79 (1.64) Purge Rate (mL/min): 1100 - 1800 QA/QC Collected: NO
 Well Volume (L) = gal * 3.785: 169.53 (6.21) Total Purge Volume (L): 156 QA/QC ID: N/A
 Well Diameter (inches): 5 Length of water column (feet): 44 Purge Method: Low-Flow Well Volume: 0 Other: NO
 Well Type: NA Flush: Stick Up Sampling Method: Pump Discharge Other: NO
 Well Lock: Yes No: NO All sample containers requiring chemical preservation properly preserved prior to removal from well? Yes No: NO
 Well Cap Condition: Good Replace: NO
 Well Tag Present: Yes No: NO

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp (°C)	Turbidity (NTU)	DTW (ft base)	Purge Rate (mL/min)	Purged Volume (L)	Notes (Purge method, water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1709								2800+		start pumping after overdrilling
1711								1100	4	
1712	10.82	2549	106.5	1.06	22.7	overrange	26.1	1100	9.5	brown, opaque, no smell
1717	10.75	2728	123.2	0.72	21.5	2739	26.1	1100	15	double check all 7 calibrations
1722	10.78	2795	93.0	0.56	21.7	243	26.3	1100	20.5	(likely due to rock characteristics)
1727	10.55	2925	3.5	0.47	21.4	190	26.3	1100	26	water clear up
1732	10.25	3036	-21.0	0.39	21.2	187	26.3	1100	31.5	
1737	9.82	3206	0.6	0.34	21.1	172	26.4	1100	37	
1742	9.58	3309	17.8	0.29	21.0	154	26.3	1100	42.5	
1747	9.37	3466	30.7	0.22	20.6	137	26.4	1800	48	→ pump up to 1800; rapid recharge
1752	9.16	3560	36.8	0.17	20.6	125	26.1	1800	57	
1757	8.95	3711	31.4	0.14	20.3	103	26.3	1800	66	
1802	8.88	3762	9.2	0.11	20.3	794	26.2	1800	75	→ white/brown opaqueness
1807	8.73	3861	-45.6	0.12	20.2	150	26.3	1800	84	
1812	8.65	3910	-159.3	0.08	20.1	91.2	26.4	1800	93	
1817	8.59	3949	-181.4	0.07	20.1	60.4	26.4	1800	102	
1822	8.54	3974	-206.0	0.07	20.0	46.0	26.4	1800	111	
1827	8.49	4002	-213.0	0.06	19.9	39.0	26.4	1800	120	
1832	8.44	4029	-213.9	0.06	20.0	33.8	26.4	1800	129	

Stabilizing Criteria	± 0.1 SU	± 5%		1 mg/L DO		< 5 NTUs	< 0.3 ft	> 100 mL < 250 mL	> 1L	
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Geosyntec **GROUNDWATER SAMPLING LOG SHEET**

Client: SCS Project No: GW6581A/09/05 Sampling Date: 7/25/2023
 Site: Plant Bowen Location: Plant Bowen AP-1 Sampler's Name: Elaine Volk
 Well ID: BOW-POI-01 Pump Type/Make: Megamason Positive (26") Sample Collection Time: 1849
 Total Depth (ft): 70 (52 currently) Tubing Material: Polyethylene Sample Pkg. (Bottle Size): 1800
 Depth to Water (ft): 26.3 Pump Inlet Depth (ft): ~38 (33-43 interval) Sample ID: BOW-POI-01-NM-20230725-38-0
 Well Diameter (in): 5" (2" w/ packer) Start/Stop Purge Time: 1709 / 1849 Laboratory Analysis: Residual Metals: Arsenic + Cadmium
 Well Volume (gal @ 0.08 ft³): 44.74 (1.64) Purge Rate (mL/min): 1100 - 1800 QM/QC Collected? No
 Well Volume (ft³ @ 6.21 ft³): 169.53 (6.21) m. Purge Volume (l): 156 Sampling Method: Pump Discharge QM/QC ID: N/A
 Well Construction: NA Flush: Stick Up Well Loss: Yes Well Cap Construction: Good Well Log Present: Yes

All sample containers requiring chemical preservation properly preserved prior to removal from well? Yes No

Time	pH (SU)	Spec. Cond. (µS/cm)	ORP (mV)	DO (mg/L)	Temp. (°C)	Turbidity (NTUs)	DTW (ft below)	Purge Rate (mL/min)	Purged Volume (l.)	Notes (Purge method, water clarity, color, purge rate, issues with pump/well/weather/etc.)
1837	8.39	4041	-213.3	0.06	19.9	26.1	26.4	1800	158	
1842	8.37	4042	-213.0	0.06	19.9	28.5	26.4	1800	147	
1847	8.32	4060	-210.0	0.05	19.9	24.3	26.4	1800	156	
1849										sample fully open @ ~2500 + (pump 4-5 gal/min)
1850							26.6			
1855							26.6			
1900							26.6			
1905							26.6			
1911							26.6			
1916										pump off; 2.125 gal/minute
E.V. 7/25/2023										
Stabilizing Criteria	±0.1 SU	±5%				< 5 NTUs	< 0.3 ft	> 100 mL < 250 mL	> 30	

Low-Flow Test Report:

Test Date / Time: 9/27/2023 12:29:09 PM
Project: Plant Bowen AP September 2023
Operator Name: Meredith Duncan

Location Name: PT-02 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.65 ft Total Depth: 43.65 ft Initial Depth to Water: 29.85 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 38.65 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:
Prepurge 3L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
9/27/2023 12:29 PM	00:00	6.95 pH	20.33 °C	5,144.9 µS/cm	0.28 mg/L	2.12 NTU	-6.9 mV	29.95 ft	3.11 PSU	150.00 ml/min
9/27/2023 12:33 PM	04:00	6.95 pH	20.26 °C	5,077.0 µS/cm	0.22 mg/L	2.04 NTU	10.3 mV	29.95 ft	3.07 PSU	150.00 ml/min
9/27/2023 12:37 PM	08:00	6.96 pH	20.21 °C	5,069.6 µS/cm	0.20 mg/L	2.20 NTU	11.1 mV	29.95 ft	3.07 PSU	150.00 ml/min
9/27/2023 12:41 PM	12:00	6.96 pH	20.17 °C	5,070.9 µS/cm	0.17 mg/L	1.61 NTU	12.2 mV	29.95 ft	3.07 PSU	150.00 ml/min
9/27/2023 12:45 PM	16:00	6.96 pH	20.16 °C	5,057.0 µS/cm	0.16 mg/L	1.51 NTU	13.3 mV	29.95 ft	3.06 PSU	150.00 ml/min
9/27/2023 12:49 PM	20:00	6.97 pH	20.19 °C	5,087.9 µS/cm	0.16 mg/L	1.74 NTU	11.4 mV	29.95 ft	3.08 PSU	150.00 ml/min
9/27/2023 12:53 PM	24:00	6.97 pH	20.13 °C	5,080.3 µS/cm	0.16 mg/L	1.55 NTU	12.9 mV	29.95 ft	3.07 PSU	150.00 ml/min

Samples

Sample ID:	Description:
PT-02	Cobalt, Boron
FD-01	Cobalt, Boron

Low-Flow Test Report:

Test Date / Time: 10/31/2023 10:20:02 AM

Project: Plant Bowen AP October 2023 Re-sample

Operator Name: Meredith Duncan

Location Name: PT-02 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 33.65 ft Total Depth: 43.65 ft Initial Depth to Water: 30.3 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 38.65 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.07 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/31/2023 10:20 AM	00:00	6.90 pH	16.57 °C	5,137.0 µS/cm	0.67 mg/L	0.34 NTU	78.8 mV	30.36 ft	3.13 PSU	100.00 ml/min
10/31/2023 10:24 AM	04:00	6.91 pH	16.64 °C	5,105.7 µS/cm	0.41 mg/L	0.40 NTU	360.6 mV	30.37 ft	3.10 PSU	100.00 ml/min
10/31/2023 10:28 AM	08:00	6.91 pH	16.75 °C	5,122.7 µS/cm	0.32 mg/L	0.51 NTU	407.8 mV	30.37 ft	3.12 PSU	100.00 ml/min
10/31/2023 10:32 AM	12:00	6.91 pH	16.94 °C	5,093.9 µS/cm	0.26 mg/L	0.83 NTU	471.0 mV	30.37 ft	3.10 PSU	100.00 ml/min
10/31/2023 10:36 AM	16:00	6.91 pH	16.96 °C	5,103.1 µS/cm	0.24 mg/L	0.97 NTU	504.3 mV	30.37 ft	3.10 PSU	100.00 ml/min
10/31/2023 10:40 AM	20:00	6.90 pH	17.03 °C	5,110.1 µS/cm	0.22 mg/L	0.58 NTU	509.5 mV	30.37 ft	3.11 PSU	100.00 ml/min
10/31/2023 10:44 AM	24:00	6.89 pH	17.14 °C	5,086.8 µS/cm	0.18 mg/L	0.22 NTU	511.5 mV	30.37 ft	3.09 PSU	100.00 ml/min

Samples

Sample ID:	Description:
PT-02	Cobalt, Boron
FD-01	Cobalt, Boron

Calibration Forms

February 2023

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 11/24/23	Client Address: 0840	Phone: (303) Client Phone: 1625
Equipment ID: 893479	Equipment Name: 1a motte	[REDACTED]	
Process: Bowen AP	Application/Process: 2B°	7042-3818	

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Sp. 100% water saturated air sat)				100.77	
Specific Conductance (µS/cm)	22250153 11/23	3.58	4490	4152.8	
pH (mV)	22250153 11/23	3.56	4	3.91	
pH (°C)	2216893 11/23	2.64	7	7.02	
pH (mV)	21320202 11/23	1.87	10	10.18	
ORP (mV)	21390144 11/23	1.45	228	273.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass*	Comments
Turbidity (NTU)	0	0.00	0 - 0.025	Yes	No
Turbidity (NTU)	1	0.98	0 - 0.1 NTU	Yes	No
Turbidity (NTU)	10	9.87	0 - 0.025	Yes	No

	Temp of Standard (°C)	Value of Standard	Field Calibration Reading	Acceptable Range	Pass*	Comments
Mat flow pH (4 days)		9.9	4	4 - 4	Yes	No
Mat flow pH (7 days)		10.63	7	7 - 7	Yes	No
Mat flow pH (10 days)		11.96	10	10 - 10	Yes	No

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin Stephenson</u>	Date: <u>1/24/23</u>	Type of Calibration: <u>ORP</u>	Type (Mid-day Check)
Asset/Tool ID: <u>789317</u>	Turbidity Meter Type: <u>Lamotte 2429-44017</u>	CV: <u>9429-4417</u>	
Project: <u>AP Serranaval</u>	Weather Conditions: <u>54°/40°/29°</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				<u>99.86</u>	
Specific Conductance (µS/cm)	22250153 11/23	<u>15.34</u>	4490	<u>4.215</u>	
pH (4)	22250153 11/23	<u>15.64</u>	4	<u>4.02</u>	
pH (7)	2216893 11/23	<u>15.74</u>	7	<u>7.09</u>	
pH (10)	21320202 12/23	<u>15.74</u>	10	<u>10.12</u>	
ORP (mV)	21390144 11/23	<u>15.80</u>	228	<u>243</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<u>0.01</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	<u>0.97</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	<u>9.69</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>17.44</u>	4	<u>4.11</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	<u>17.81</u>	7	<u>7.17</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (10) check	<u>17.88</u>	10	<u>10.21</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Louker	Date: 1/25/23	Time (Calibration): 9:45	Time (Midday Check): 16:00
Appt/Ref ID: 789301	Turbidity Meter Type: LaMotte 2020	ID: 7042-3818	
Project: Jan. 2023 AP Semi	Weather Conditions: 58°/38° cloudy		

Calibration Log

	Standard Lot #/ Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturation at sat)				96.32	
Specific Conductance (µS/cm)	22250153 11/23	11.32	4490	4496.8	
pH (4)	22250153 11/23	15.80	4	4.00	
pH (7)	2216893 11/23	16.74	7	6.96	
pH (10)	21320202 12/23	16.89	10	9.93	
ORP (mV)	21390144 11/23	14.13	228	228.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.05	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.88	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.56	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.28	4	4.04	±0.1 SU	Yes	No	
Mid-Day pH (7) check	17.05	7	7.10	±0.1 SU	Yes	No	
Mid-Day pH (10) check	16.95	10	10.17	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin S. Stephenson</u>	Date: <u>1/25/23</u>	Type (Calibration): <u>102B</u>	Time (Mid-day Check)
Asset/ID #: <u>789317</u>	Turbidity Meter Type: <u>LaMotte</u>	SN: <u>9809304</u>	
Project: <u>Redwood AP</u>	Weather Conditions: <u>59°/34° 50% 50%</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air cal)				<u>103.57</u>	
Specific Conductance (µS/cm)	22250153 11/23	<u>15.38</u>	4490	<u>4450.3</u>	
pH (4)	22250153 11/23	<u>15.61</u>	4	<u>3.94</u>	
pH (7)	2216893 11/23	<u>14.71</u>	7	<u>6.97</u>	
pH (10)	21320202 12/23	<u>15.47</u>	10	<u>9.99</u>	
ORP (mV)	21390144 11/23	<u>16.06</u>	228	<u>232.4</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<u>0.01</u>	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	<u>0.82</u>	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	<u>9.77</u>	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>28</u> <u>17.64</u>	4	<u>4.17</u>	±0.1 pH	Yes	No	
Mid-Day pH (7) check	<u>17.49</u>	7	<u>7.28</u>	±0.1 pH	Yes	No	
Mid-Day pH (10) check	<u>17.64</u>	10	<u>10.30</u>	±0.1 pH	Yes	No	

Field Technician	Meredith Duncan	Date	1/26/23	Time of day	0830	Case No.	1620
Asset/ID#	893479	Turbidity Meter Type	la motte	SN	9453-4417		
Project	Bowen AP	Weather / ambient	38°				

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Tap, 100% water saturated air sat)				94.42	
Specific Conductance (µS/cm)	22250153 11/23	5.56	4490	4750.6	
pH (R)	22250153 11/23	5.7	4	3.64	
pH (T)	2216893 11/23	5.41	7	6.72	
pH (R)	21326282 12/23	6.01	10	9.87	
ORP (mV)	21390144 11/23	5.74	228	249.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass*	Comments
Turbidity @ NTU	0	0.01	-0.1 NTU	Yes	No
Turbidity @ NTU	1	0.94	-0.1 NTU	Yes	No
Turbidity @ NTU	10	9.51	-0.1 NTU	Yes	No

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass*	Comments
Mid-Range pH (R) check		8.8	4	4.22	Yes	No
Mid-Range pH (T) check		9.01	7	7.28	Yes	No
Mid-Range pH (R) check		9.81	10	10.30	Yes	No

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Lacker</u>	Date: <u>1/26/23</u>	Time (Calibration): <u>8:32</u>	Time (Mid-day Check): <u>15:40</u>
Asset/ID/SN: <u>789301</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>7042-3818</u>	
Project: <u>Jan. 2023 AP Semi</u>	Weather Conditions: <u>46°/29° partly cloudy</u>		

Calibration Log

	Standard Lot #/ Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				101.10	
Specific Conductance (µS/cm)	22250153 11/23	7.65	4490	44648	
pH (4)	22250153 11/23	7.52	4	3.87	
pH (7)	2216893 11/23	6.93	7	6.99	
pH (10)	21320202 12/23	7.00	10	10.15	
ORP (mV)	21390144 11/23	7.41	228	223.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.96	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.72	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	12.20	4	4.02	±0.1 SU	Yes	No	
Mid-Day pH (7) check	12.77	7	7.14	±0.1 SU	Yes	No	
Mid-Day pH (10) check	12.02	10	10.12	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin Stephenson</u>	Date: <u>1/26/23</u>	Time (Calibration): <u>1120</u>	Time (Mid-day Check): <u>1452</u>
Analyzer SN: <u>7003.7</u>	Turbidity Meter Type: <u>lanette</u>	SN: <u>9429-44.7</u>	
Project: <u>Bayou AP SA</u>	Weather Conditions: <u>45°/27° 50%</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				94.3690	
Specific Conductance (µS/cm)	22250153 11/23	1.32	4490	4242.9	
pH (4)	22250153 11/23	7.41	4	4.05	
pH (7)	2216893 11/23	9.12	7	7.12	
pH (10)	21320202 12/23	9.31	10	10.24	
ORP (mV)	21390144 11/23	4.50	228	238.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity @ NTU	0	0.09	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	0.98	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	9.90	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	10.0	4	4.13	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	10.39	7	7.21	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (10) check	11.09	10	10.28	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Field Technician: Meredith Duncan	Date: 1/27/23	Time (Calibration): 0830	Time (Field Use): 1405
ApalTrol SN: 893479	Turbidity Meter Type: La Motte	SN: 9453.4417	
Project: Bowen AP	Weather Conditions: 30°		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pc, 20°C water saturated in air)				102.56	
Specific Conductance (µmhos)	22250153 11/23	0.57	4490	4465	
pH (4)	22250153 11/23	0.61	4	3.87	
pH (7)	2216893 11/23	1.04	7	6.87	
pH (10)	21320202 12/23	1.34	10	10.05	
ORP (mV)	21390144 11/23	1.62	228	261.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.99	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.33	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	8.48	4	4.01	±0.1 pH	Yes	No	
Mid-Day pH (7) check	8.86	7	7.27	±0.1 pH	Yes	No	
Mid-Day pH (10) check	9.3	10	10.27	±0.1 pH	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lecker	Date: 1/27/23	Time (Calibration): 8:40	Time (Mid-day Check): 13:35
Model/SN: 789301	Factory Model Type: LaMotte	SN: 7042-3818	
Project: Jan 2023 AP Semi	Weather Conditions: 52°/28° sunny		

Calibration Log

	Standard Lot # (Date of Expiration)	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) <small>(Type 100% water saturated air sat)</small>				99.19	
Specific Conductance (µS/cm)	22250153 11/23	6.00	4490	4490.6	
pH (4)	22250153 11/23	6.04	4	4.02	
pH (7)	2216893 11/23	5.99	7	7.11	
pH (10)	21320202 12/23	5.95	10	10.13	
ORP (mV)	21390144 11/23	5.75	228	226.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.91	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.75	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	13.67	4	4.03	±0.1 SD	Yes	No	
Mid-Day pH (7) check	13.50	7	7.14	±0.1 SD	Yes	No	
Mid-Day pH (10) check	13.98	10	10.14	±0.1 SD	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician	Meredith Duncan	Date	1/30/23	Time (Calibration)	0830	Time (Mid-day Check)	1536
AguaTroll SN	893479	Turbidity Meter Type	la Motte		SN	9453-4417	
Project	Bowen AP		Weather Conditions: 50° Rain				

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Spt, 100% water saturated air sat)				96.23	
Specific Conductance (µS/cm)	22250153 11/23	10.83	4490	4557	
pH (4)	22250153 11/23	10.88	4	3.83	
pH (7)	2216893 11/23	10.8	7	6.78	
pH (10)	21320202 12/23	10.83	10	9.90	
ORP (mV)	21390144 11/23	10.79	228	243.8	243.8

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.10	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.22	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	12.47	4	4.17	±0.1 SD	Yes	No	
Mid-Day pH (7) check	12.22	7	7.33	±0.1 SD	Yes	No	
Mid-Day pH (10) check	12.59	10	10.35	±0.1 SD	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Loaker	Date: 1/30/23	Time of Calibration: 8:30	Time (Mid-day Check): 16:15
Equipment ID: 789301	Equipment Make/Type: LaMotte 2020	SN: 7042-3818	
Project: Jan 2023 AP Semi	Weather Conditions: 58°/48° cloudy, mist		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (@ 100% water saturated air sat)				98.42	
Specific Conductance (uS/cm)	22250153 11/23	13.20	4490	4573.7	
pH (4)	22250153 11/23	13.19	4	3.94	
pH (7)	2216893 11/23	11.70	7	7.01	
pH (10)	21320202 12/23	10.82	10	10.02	
ORP (mV)	21390144 11/23	10.47	228	219.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.91	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.90	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	13.93	4	4.09	±0.1 SU	Yes	No	
Mid-Day pH (7) check	13.78	7	7.18	±0.1 SU	Yes	No	
Mid-Day pH (10) check	14.13	10	10.25	±0.1 SU	Yes	No	

Field Technician: Meredith Duncan	Date: 1/31/23	Time (Calibration): 0830	Time (Mid-Day Check): 1528
Asset/Tool SN: 893479	Turbidity Meter Type: la Motte	SN: 9453-4417	
Project: Bowen AP	Weather Conditions: 55° Fog		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1% 30% water saturated air sat)				102.99	
Specific Conductance (µS/cm)	22250153 11/23	13.87	4490	4489	
pH (4)	22250153 11/23	13.76	4	3.86	
pH (7)	2216893 11/23	13.23	7	6.83	
pH (10)	21320202 12/23	12.92	10	9.92	
ORP (mV)	21390144 11/23	12.72	228	243.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.04	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.14	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.34	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pass Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	14.9	4	4.13	±0.1 SU	Yes	No	
Mid-Day pH (7) check	14.97	7	7.26	±0.1 SU	Yes	No	
Mid-Day pH (10) check	15.12	10	10.3	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Engineer: William Leaker	Date: 1/31/23	Time (Calibration): 8:50	Time (Mobile Check): 14:15
Asset/ID No.: 789301	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
Project: Jan 2023 AP Semi	Weather Conditions: 60°/45° cloudy, mist 50% rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DD (%) (Dip. 100% water saturated w/ sal)				102.00	
Specific Conductance (µS/cm)	22250153 11/23	13.85	4490	4485.7	
pH (4)	22250153 11/23	13.94	4	4.04	
pH (7)	2216893 11/23	14.04	7	7.08	
pH (10)	21320202 12/23	14.04	10	10.18	
ORP (mV)	21390144 11/23	14.01	228	220.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.05	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.80	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.21	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	16.06	4	4.10	±0.10	Yes	No	
Mid-Day pH (7) check	15.96	7	7.19	±0.10	Yes	No	
Mid-Day pH (10) check	15.93	10	10.20	±0.10	Yes	No	

Field Technician: Meredith Duncan	Date: 2/1/23	Time: 0830	Time: 1530
Asset/Prod SN: B93479	Turbidity Meter Type: 1a Motte	ID: 9453-4417	
Point: Bowen AP	Temperature: 46°		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Opt. 100% water saturated air sat.)				97.7	
Specific Conductance (µS/cm)	22250153 11/23	13.17	4490	4537.2	
pH (4)	22250153 11/23	13.14	4	3.89	
pH (7)	2216893 11/23	13.05	7	6.83	
pH (10)	21320202 12/23	12.95	10	9.94	
ORP (mV)	21390144 11/23	12.99	228	243.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass*		Comments
Turbidity: 0 NTU	0	0.01	0 - 1.0 NTU	Yes	No	
Turbidity: 1 NTU	1	1.01	0 - 1.0 NTU	Yes	No	
Turbidity: 10 NTU	10	10.14	0 - 1.0 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Point Calibration Reading	Acceptable Range	Pass*		Comments
Multi-Use pH (4) check		14.36	4	0 - 14	Yes	No	
Multi-Use pH (7) check		14.42	7	0 - 14	Yes	No	
Multi-Use pH (10) check		14.78	10	0 - 14	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Laaker	Date: 2/1/23	Time of Arrival: 8:25	Time (Mid-day Check): 15:15
Agency/ID: 789301	Equipment Make/Type: LaMotte 2020	SN: 7042-3818	
Month: Jan 2023 AP Semi	Weather Conditions: 54°/43° cloudy misty		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrumen Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				98.11	
Specific Conductance (µS/cm)	22250153 11/23	14.27	4490	4501.1	
pH (4)	22250153 11/23	14.23	4	4.02	
pH (7)	2216893 11/23	14.43	7	7.06	
pH (10)	21320202 12/23	14.43	10	10.09	
ORP (mV)	21390144 11/23	14.17	228	226.3	

	Value of Standard	Instrumen Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.88	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.17	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	16.22	4	4.08	±0.1 SU	Yes	No	
Mid-Day pH (7) check	15.88	7	7.19	±0.1 SU	Yes	No	
Mid-Day pH (10) check	15.39	10	10.30	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/2/23	0830 <small>(Time of Calibration)</small>	1306 <small>(Time (MSD-by-Check))</small>
Asset/Tool SN: 893479	Turbidity Meter Type: la Motte	SN: 9453-4417	
Project: Bowen AP	Weather Conditions: 45° Rain		

Calibration Log

	Standard Lot #: Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) <small>(1pt, 100% water saturated air sat)</small>				100.14	
Specific Conductance (µS/cm)	22250153 11/23	10.41	4490	4460.3	
pH (4)	22250153 11/23	10.56	4	3.95	
pH (7)	2216893 11/23	9.92	7	6.88	
pH (10)	21320202 12/23	9.77	10	9.76	
ORP (mV)	21390144 11/23	10.27	228	251	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.94	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.77	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	13.01	4	4.09	±0.10	Yes	No	
Mid-Day pH (7) check	12.68	7	6.74	±0.10	Yes	No	
Mid-Day pH (10) check	12.55	10	10.30	±0.10	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Laker	Date: 2/2/23	Time (Calibration): 8:30	Time (Mid-day Check): 12:45
Instrument SN: 789301	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
Project: Jan 2023 AP Semi	Weather Conditions: 46°/36° rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Fpl. 100% water saturated air sat)				101.31	
Specific Conductance (µS/cm)	22250153 11/23	10.38	4490	4441.6	
pH (4)	22250153 11/23	10.40	4	4.06	
pH (7)	2216893 11/23	10.43	7	7.15	
pH (10)	21320202 12/23	10.41	10	10.21	
ORP (mV)	21390144 11/23	10.32	228	230.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.3 NTU	Yes	No	
Turbidity 1 NTU	1	0.90	±0.3 NTU	Yes	No	
Turbidity 10 NTU	10	9.78	±0.3 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	10.18	4	4.07	±0.1 SU	Yes	No	
Mid-Day pH (7) check	9.69	7	7.10	±0.1 SU	Yes	No	
Mid-Day pH (10) check	9.35	10	10.10	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician	Meredith Duncan	Date	2/7/23	Time (Calibration)	0900	Time (Mid-day Check)	1410
Asset/Tool SN	893479	Turbidity Meter Type	la motte	SN	9453-4417		
Project	Bowen AP	Weather Conditions	45°	Sunny			

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Sgt. 98% water saturated air sat)				107.32	
Specific Conductance (µS/cm)	22250153 11/23	6.05	4490	4305	
pH (4)	22250153 11/23	5.97	4	3.95	
pH (7)	2216893 11/23	5.27	7	6.95	
pH (10)	21320202 12/23	4.77	10	10.07	
ORP (mV)	21390144 11/23	4.69	228	250.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.15	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.06	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	16.13	4	4.10	±0.1 SU	Yes	No	
Mid-Day pH (7) check	16.45	7	7.15	±0.1 SU	Yes	No	
Mid-Day pH (10) check	16.50	10	10.15	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lanker	Date: 2/7/23	Time (Calibration): 8:53	Time (Mid-Day Check): 16:00
Appt/Insl SN: T89301	Factory Model Type: LaMotte 2020	SN: 7042-3818	
Project: Jan 2023 AP Semi	Weather Conditions: 68°/36° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				98.46	
Specific Conductance (µS/cm)	22250153 11/23	9.27	4490	4473.2	
pH (4)	22250153 11/23	9.28	4	4.22	
pH (7)	2216893 11/23	9.43	7	7.25	
pH (10)	21320202 12/23	9.60	10	10.31	
ORP (mV)	21390144 11/23	9.53	228	224.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.39	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.30	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	22.12	4	4.00	±0.1 SU	Yes	No	
Mid-Day pH (7) check	21.06	7	7.08	±0.1 SU	Yes	No	
Mid-Day pH (10) check	21.15	10	10.14	±0.1 SU	Yes	No	

May 2023

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

Calibration Log

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

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

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

August 2023

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 8/15/23	Time (Calibration): 0830	Time (Mid-Day Check): 1650
Appt/Instl SN: 893479	Turbidity Meter Type: la motte	SN: 7007-1416	
Project: Bowen AP	Water Conditions: 80°/		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Upd, 100% water saturated air sat)				96.81	
Specific Conductance (µS/cm)	24000044 05/24	26.93	4490	4520	
pH (4)	24000044 05/24	27.13	4	3.97	
pH (7)	22290139 04/24	27.21	7	7.03	
pH (10)	22110130 04/24	26.98	10	9.94	
ORP (mV)	24002258 06/24	27.00	228	223.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.87	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.92	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	30.12	4	4.06	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.46	7	7.09	±0.1 SU	Yes	No	
Mid-Day pH (10) check	31.64	10	9.92	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Locker	Date: 8/15/23	Time (Calibration): 8:50	Time (Mid-day Check): 15:50
AguaTrol SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9429-4417	
Project: August 2023 AP Semi	Weather Conditions: 86°/64° 50% strms		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Eq. 100% water saturated air sat)				101.22	
Specific Conductance (µS/cm)	24000044 05/24	26.68	4490	4456.8	
pH (4)	24000044 05/24	27.09	4	4.03	
pH (7)	22290139 04/24	27.74	7	7.62	
pH (10)	22110130 04/24	29.01	10	9.97	
ORP (mV)	24002258 06/24	27.89	228	216.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.96	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.73	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (6) check	30.80	4	4.03	±0.1 SU	Yes	No	
Mid-Day pH (7) check	31.07	7	7.08	±0.1 SU	Yes	No	
Mid-Day pH (10) check	31.32	10	9.96	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin Stephenson</u>	Date: <u>8/16/23</u>	Time of Calibration: <u>0847</u>	Time (Mid-day Check)
Asset ID: SN <u>989317</u>	Turbidity Meter Type: <u>LaMotte 2010</u>	SN: <u>9429-4417</u>	
Project: <u>Basin AP</u>	Weather Conditions: <u>80°/65° 590</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				<u>88.7%</u>	
Specific Conductance (µS/cm)	24000044 05/24	<u>20.39</u>	4490	<u>4479.6</u>	
pH (4)	24000044 05/24	<u>20.46</u>	4	<u>4.06</u>	
pH (7)	22290139 04/24	<u>20.27</u>	7	<u>7.04</u>	
pH (10)	22110130 04/24	<u>20.34</u>	10	<u>10.04</u>	
ORP (mV)	24002258 06/24	<u>20.77</u>	228	<u>282.6</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<u>0.14</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	<u>1.11</u>	±0.3 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	<u>10.43</u>	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>21.65</u>	4	<u>4.11</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	<u>29.97</u>	7	<u>7.17</u> 7.00	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (10) check	<u>32.05</u>	10	<u>10.06</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 8/16/23	Time (Calibration): 0845	Time (Field-Use Check): 1628
Asset/Tool SN: 893479	Turbidity Meter Type: la motte		SN: 7007-1416
Project: Bowen AP	Weather Conditions: 70° / Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				96.99	
Specific Conductance (µS/cm)	24090044 05/24	20.49	4490	4483.9	
pH (H)	24090044 05/24	20.53	4	3.88	
pH (7)	22290139 04/24	20.74	7	7.08	
pH (10)	22110130 04/24	20.80	10	10.07	
ORP (mV)	24002258 06/24	26.77	228	234.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.2 NTU	Yes	No	
Turbidity 1 NTU	1	1.03	±0.3 NTU	Yes	No	
Turbidity 10 NTU	10	9.70	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	29.57	4	3.94	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.31	7	6.97	±0.1 SU	Yes	No	
Mid-Day pH (10) check	30.49	10	9.91	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Lasker</u>	Date: <u>8/16/23</u>	Time (Calibration): <u>8:50</u>	Time (Mid-day Check): <u>16:00</u>
ApqTool SN: <u>789310</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>9453-4417</u>	
Project: <u>August 2023 AP Semi</u>	Weather Conditions: <u>83°/62° sunny</u>		

Calibration Log

	Standard Lot# / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Tpt. 100% water saturated air sat)				94.93	
Specific Conductance (µS/cm)	24000044 05/24	20.75	4490	4518.9	
pH (4)	24000044 05/24	20.92	4	3.99	
pH (7)	22290139 04/24	21.26	7	7.03	
pH (10)	22110130 04/24	21.20	10	10.03	
ORP (mV)	24002258 06/24	20.69	228	240.8	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.77	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.78	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	26.21	4	4.03	±0.1 SU	Yes	No	
Mid-Day pH (7) check	25.99	7	7.07	±0.1 SU	Yes	No	
Mid-Day pH (10) check	26.48	10	10.00	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin Stojanowski</u>	Date: <u>8/17/23</u>	Time (Calibration): <u>1:22</u>	Time (Mid day Check):
Serial No: <u>789317</u>	Turbidity Meter Type: <u>Laktoche 2020</u>	SN: <u>9429-4417</u>	
Project: <u>AD SA Sampling</u>	Weather Conditions: <u>88°/63° 00%</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				105.1	
Specific Conductance (µS/cm)	24000044 05/24	25.66	4490	4387.0	
pH (4)	24000044 05/24	25.69	4	3.98	
pH (7)	22290139 04/24	23.14	7	7.01	
pH (10)	22110130 04/24	23.59	10	9.98	
ORP (mV)	24002258 06/24	24.41	228	225.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	0	0.11	±0.1 NTU	Yes No	
Turbidity 1 NTU	1	0.89	±0.1 NTU	Yes No	
Turbidity 10 NTU	10	9.63	±0.1 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	28.99	4	4.08	±0.1 SU	Yes No	
Mid-Day pH (7) check	29.10	7	7.11	±0.1 SU	Yes No	
Mid-Day pH (10) check	29.64	10	10.06	±0.1 SU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Dineen	Date: 8/17/23	Time (Calibration): 0820	Time (Mid-Day Check): 1528
ApnaTron SN: 893479	Turbidity Meter Type: la motte	SN: 7007-1416	
Project: Bowen AP	Water Conditions: 70°/84°		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Spt. 100% water saturated air sat)				102.26	
Specific Conductance (µS/cm)	24000044 05/24	22.22	4490	4525.3	
pH (4)	24000044 05/24	22.94	4	3.97	
pH (7)	22290139 04/24	22.63	7	7.02	
pH (10)	22110130 04/24	22.2	10	10.02	
ORP (mV)	24002258 06/24	21.68	228	235.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.10	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.84	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	27.44	4	4.01	±0.1 SU	Yes	No	
Mid-Day pH (7) check	27.53	7	6.93	±0.1 SU	Yes	No	
Mid-Day pH (10) check	27.91	10	9.91	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Leaker</u>	Date: <u>8/17/23</u>	Time (Calibration): <u>8:48</u>	Time (Mid-day Check): <u>15:45</u>
ApqTool SN: <u>789310</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>9453-4417</u>	
Project: <u>August 2023 AP Semi</u>	Weather/Conditions: <u>85°/63° sunny</u>		

Calibration Log

	Standard Lot # | Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) <small>(1pt, 100% water saturated air sat)</small>				103.50	
Specific Conductance (µS/cm)	24000044 05/24	19.90	4490	4508.8	
pH (4)	24000044 05/24	20.14	4	4.00	
pH (7)	22290139 04/24	21.18	7	7.02	
pH (10)	22110130 04/24	21.62	10	10.03	
ORP (mV)	24802258 06/24	21.71	228	226.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU		0	±0.3 NTU	Yes / No	
Turbidity 1 NTU		1	±0.5 NTU	Yes / No	
Turbidity 10 NTU		9.91	±0.5 NTU	Yes / No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (6) check	28.39	4	4.07	±0.1 SU	Yes / No	
Mid-Day pH (7) check	28.53	7	7.08	±0.1 SU	Yes / No	
Mid-Day pH (10) check	29.84	10	10.00	±0.1 SU	Yes / No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kenneth Stephenson</u>	Date: <u>8/18/23</u>	Type of Calibration: <u>CP18</u>	Time (Mid-day Check): <u>1320</u>
Asset/ID #: <u>789317</u>	Turbidity Meter Type: <u>Lubliner 2020</u>	SN: <u>9429-4417</u>	
Project: <u>AP 3A Sampling</u>	Weather Conditions: <u>28°/16°/0.9%</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Dist. 100% water saturated air sat)				102.87	
Specific Conductance (µS/cm)	24000044 05/24	22.82	4490	4531.9	
pH (4)	24000044 05/24	22.94	4	4.04	
pH (7)	22290139 04/24	23.06	7	7.04	
pH (10)	22110130 04/24	23.19	10	10.03	
ORP (mV)	24002258 06/24	23.04	228	230.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	0	0.09	≤ 0.3 NTU	Yes No	
Turbidity 1 NTU	1	1.11	≤ 0.5 NTU	Yes No	
Turbidity 10 NTU	10	10.39	≤ 0.5 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	22.81	4	4.10	≤ 0.1 SU	Yes No	
Mid-Day pH (7) check	23.99	7	7.13	≤ 0.1 SU	Yes No	
Mid-Day pH (10) check	23.43	10	10.10	≤ 0.1 SU	Yes No	

Field Technician: Meredith Duncan	Date: 08/18/23 8/18/23 08126	Time (Mid-day Check): 1330
Appt/Inst SN: 893479	Turbidity Meter Type: la motte	SN: 7007-1416
Project: Bowen AP	Water Condition: 66°	

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Sat. 100% water saturated air sat)				103.63	
Specific Conductance (µS/cm)	24000044 05/24	22.14	4490	4463.8	
pH (4)	24000044 05/24	22.18	4	3.76	
pH (7)	22290139 04/24	21.84	7	6.95	
pH (10)	22110130 04/24	21.74	10	10.03	
ORP (mV)	24002258 06/24	21.58	228	233.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.07	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.64	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	30.43	4	3.94	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.94	7	7.07	±0.1 SU	Yes	No	
Mid-Day pH (10) check	32.51	10	9.90	±0.1 SU	Yes	No	

Field Technician: William Laaker	Date: 8/18/23	Time (Calibration): 8:32	Time (Middle Check): 13:50
Asset/Tool SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9453-4417	
Project: August 2023 AP Semi	Weather Conditions: 87°/60° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 200% water saturated air sat)				100.01	
Specific Conductance (µS/cm)	24000044 05/24	19.95	4490	4445.4	
pH (4)	24000044 05/24	19.95	4	4.03	
pH (7)	22290139 04/24	20.71	7	7.07	
pH (10)	22110130 04/24	21.09	10	10.09	
ORP (mV)	24002258 06/24	21.29	228	228.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.04	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.67	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	27.95	4	4.04	±0.150	Yes	No	
Mid-Day pH (7) check	28.45	7	7.09	±0.150	Yes	No	
Mid-Day pH (10) check	30.13	10	9.95	±0.150	Yes	No	

Field Technician	Meredith Duncan	Date	8/21/23	Time (Calibration)	0830	Time (Mid-day Check)	1605
Asset/Tool SN	893479	Turbidity Meter ID#	1a Motte	SN	7007-1416		
Person	Bowen AP	Weather Conditions	76° / 94°				

Calibrator Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				101.82	
Specific Conductance (µS/cm)	24000044 05/24	24.29	4490	4439.7	
pH (4)	24000044 05/24	24.21	4	3.91	
pH (7)	22290139 04/24	24.63	7	6.98	
pH (10)	22110130 04/24	24.92	10	9.97	
ORP (mV)	24002258 06/24	24.86	228	230.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.02	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.57	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	31.76	4	4.01	±0.1 SU	Yes	No	
Mid-Day pH (7) check	31.57	7	6.96	±0.1 SU	Yes	No	
Mid-Day pH (10) check	32.22	10	9.91	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Laker	Date: 8/21/23	Time (UTC Offset): 9:01	Time (Local Clock): 16:35
AguaTest SN: 789301	Turbidity Meter Type: LaMotte 2020	SN: 9429-4417	
Project: August 2023 AP Semi	Weather Conditions: 93°/70° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Eq. 100% water saturated air cal)				95.66	
Specific Conductance (µS/cm)	24000044 05/24	23.55	4490	4502.9	
pH (4)	24000044 05/24	24.19	4	3.99	
pH (7)	22290139 04/24	24.41	7	6.97	
pH (10)	22110130 04/24	24.54	10	9.98	
ORP (mV)	24002158 06/24	24.49	228	221.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.07	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.83	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pass Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	33.81	4	4.02	±0.1 SU	Yes	No	
Mid-Day pH (7) check	32.96	7	7.07	±0.05 SU	Yes	No	
Mid-Day pH (10) check	32.77	10	9.96	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Merodith Duncan	Date: 8/22/23	Time (Calibration): 0940	Time (Mid-day Check): 1607
Asset/Tool SN: 893479	Turbidity Meter Type: la Motte	IDV: 7007-1416	
Project: Bowen AP	Water Conditions: 75°/		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Hpl, 100% water saturated air sat)				98.50	
Specific Conductance (µm/cm)	24000044 05/24	25.05	4490	4553.3	
pH (4)	24000044 05/24	25.20	4	4.02	
pH (7)	22290139 04/24	25.35	7	7.03	
pH (10)	22110130 04/24	25.50	10	10.03	
ORP (mV)	24002258 06/24	25.56	228	276.0	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.08	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.60	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	31.69	4	3.95	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.58	7	7.09	±0.1 SU	Yes	No	
Mid-Day pH (10) check	32.98	10	10.05	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Locker	Date: 8/22/23	Time Calibrated: 10:00	Time Mid-day Check: 15:50
Appl/Well ID: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9429-4417	
Project: August 2023 AP Semi	Weather Conditions: 94°/72° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Spt. 100% water saturated air sat)				105.02	
Specific Conductance (µS/cm)	24000044 05/24	25.58	4490	4503.3	
pH (4)	24000044 05/24	25.67	4	4.01	
pH (7)	22290139 04/24	26.15	7	7.02	
pH (10)	22110130 04/24	26.25	10	10.00	
ORP (mV)	24002258 06/24	26.13	228	223.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.86	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.71	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	29.05	4	4.06	±0.1 SU	Yes	No	
Mid-Day pH (7) check	29.27	7	7.09	±0.1 SU	Yes	No	
Mid-Day pH (10) check	29.99	10	10.09	±0.1 SU	Yes	No	

Field Technician: Meredith Duran	Date: 8/23/23	Time (Calibration): 0900	Time (Mid-Day Check): 1611
Equip/Tool SN: 789317	Turbidity Meter Type: la motte	SN: 7007-1416	
Project: Bowen AP	Weather Conditions: 77°/95°		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				105.75	
Specific Conductance (µS/cm)	24000044 05/24	27.31	4490	4488.2	
pH (4)	24000044 05/24	27.38	4	3.99	
pH (7)	22290139 04/24	27.50	7	6.97	
pH (10)	22110130 04/24	27.61	10	9.94	
ORP (mV)	24002258 06/24	27.28	228	216.8	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.05	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.93	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.63	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	32.19	4	4.07	±0.1 SU	Yes	No	
Mid-Day pH (7) check	32.50	7	7.12	±0.1 SU	Yes	No	
Mid-Day pH (10) check	32.83	10	10.10	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Locker	Date: 8/23/23	Time (Calibration): 8:51	Time (Mid-day Check): 15:55
Asset/ID No: 789310	Factory Model Type: LaMotte 2020	SN: 9429-4417	
Project: August 2023 AP Semi	Weather Conditions: 93°/73° sunny		

Calibration Log

	Standard Lot# / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				99.78	
Specific Conductance (µS/cm)	24000044 05/24	25.39	4490	4507.3	
pH (4)	24000044 05/24	25.58	4	4.01	
pH (7)	22290139 04/24	25.73	7	7.02	
pH (10)	22110130 04/24	25.95	10	10.05	
ORP (mV)	24002258 06/24	25.88	228	228.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.90	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.68	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (6) check	29.99	4	4.09	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.25	7	7.10	±0.1 SU	Yes	No	
Mid-Day pH (10) check	31.18	10	10.01	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lasker	Date: 3/24/23	Time (Calibration): 9:41	Time (Mid-day Check): 16:40
Appl/Instr. No: T89310	Factory Model Type: LaMotte 2020	SN: 9429-4417	
Project: August 2023 AP Semi	Weather Conditions: 93°/72° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air cal)				97.94	
Specific Conductance (µS/cm)	24000044 05/24	25.90	4490	4449.3	
pH (4)	24000044 05/24	25.95	4	4.00	
pH (7)	22290139 04/24	25.95	7	7.02	
pH (10)	22110130 04/24	26.13	10	9.98	
ORP (mV)	24002258 06/24	25.86	228	227.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.07	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.05	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	29.61	4	4.08	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.30	7	7.10	±0.1 SU	Yes	No	
Mid-Day pH (10) check	31.45	10	10.02	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Lancker</u>	Date: <u>8/25/23</u>	Time (Calibration): <u>8:31</u>	Time (Mid-Day Check): <u>13:40</u>
Equipment SN: <u>789310</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>9429-4417</u>	
Project: <u>August 2023 AP Semi</u>	Weather Conditions: <u>97°/71° sunny</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				100.46	
Specific Conductance (µS/cm)	24800044 05/24	26.74	4490	4528.6	
pH (4)	24800044 05/24	26.82	4	4.00	
pH (7)	22290139 04/24	27.14	7	6.97	
pH (10)	22110130 04/24	27.32	10	9.98	
ORP (mV)	24002258 06/24	27.24	228	224.3	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.03 NTU	Yes	No	
Turbidity 1 NTU	1	0.88	±0.05 NTU	Yes	No	
Turbidity 10 NTU	10	9.91	±0.05 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	29.85	4	4.21	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.85	7	7.20	±0.1 SU	Yes	No	
Mid-Day pH (10) check	33.43	10	10.09	±0.1 SU	Yes	No	

Pre-Design Investigation Events

June – October 2023

EQUIPMENT CALIBRATION LOG

Field Technician: Eliane Volk

Date: 7/25/2023

File # (if): 0838

File # (old): 0902

Serial No: YSI Pro Plus 47153

Factory Model Type: Model 2000
E.V. 7/25/2023

SN: 180906069265

Weather Conditions: Sunny, H: 92 L: 65

Location and Use:

Project No: 1407414 E.V. 7/25/2023

Calibration log

	Standard Lot #, Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	36A1207 01/24	25.0C	1415 1410 E.V. 7/25/23	1417	1414	± 0.5%	Yes No	
pH (4)	36C216 03/25		4.00	4.11	4.00	± 0.150	Yes No	
Mid-Day pH (4) check	↓		4.00	4.24	3.99	± 0.150	Yes No	@1429
pH (7)	36D214 04/25		7.00	6.90	6.99	± 0.150	Yes No	
Mid-Day pH (7) check	↓		7.00	6.79	7.00	± 0.150	Yes No	@1431
pH (10)	36D200 04/25		10.00	10.00	10.01	± 0.150	Yes No	
Mid-Day pH (10) check	↓		10.00	9.95	10.01	± 0.150	Yes No	@1233
ORP (mV)	36D100 01/24	↓	240 235 E.V. 7/25/23	241.5	239.8	± 2.0%	Yes No	
DO (%) (1 pt, 100% water saturated air sat.)			100	100.1	98.9 ^{E.V. 7/25/23}	± 0.5% saturated	Yes No	Sponge missing, zero calibration method
Turbidity ¹⁰ NTU			10 10	9.75	9.67	± 0.5 NTU	Yes No	
Turbidity ²⁰ NTU			100 20	19.9	20.2	± 0.5 NTU	Yes No	
Turbidity ¹⁰⁰ NTU			100 100	101	99.9	± 0.5 NTU	Yes No	
200 NTU	E.V. 7/25/23 for all turbidity changes		800	807	801	± 0.5 NTU	Yes	

Site Name: Plant Bowen

Field Instrumentation Calibration Form

Date: 9/27/23

Calibrated By: Meredith Duran

Field Conditions: 62° rain

Instrument	Manufacturer/Model	Serial Number
Water Quality Meter	AquaTrol 400	789301
Turbidity Meter	LaMotte 2020	9429-4417

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	06/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	Standard	Time Finish	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
0935					
D.O. (%)	N/A	94.22	22.18	± 10%	NA
Specific Conductance (µS/cm)	4,490	4528.1	22.29	± 10% of standard	EPA 2023
pH (SU)	4.00	4.02	22.35	± 0.1	GWMP
pH (SU)	7.00	6.99	22.43	± 0.1	GWMP
pH (SU)	10.00	10.05	22.49	± 0.1	GWMP
ORP (mV)	228.0	219.4	22.45	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.02	± 10% of standard	EPA 2023
	1.00	1.10		
	10.00	10.07		

Calibration Check					
Time Start	Standard	Time Finish	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
1354					
Specific Conductance (µS/cm)	4,490	4499.2	22.48	± 10% of standard	EPA 2023
pH (SU)	4.00	4.12	22.29	± 0.1	GWMP
pH (SU)	7.00	7.12	22.74	± 0.1	GWMP
pH (SU)	10.00	10.17	22.98	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.06	± 10% of standard	EPA 2023
	1.00	1.02		
	10.00	9.89		

Notes:

Site Name: Plant Bowen

Field Instrumentation Calibration Form

Date: 10/31/23

Calibrated By: Meredith Duncast

Field Conditions: 53°

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	893479
Turbidity Meter	LaMotte 2020	7042-3818

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance ($\mu\text{S}/\text{cm}$)	4.490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	06/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	Standard	Calibration Value	Calibration Solution Temperature ($^{\circ}\text{C}$)	Acceptance Criteria	Reference
0953	N/A	97.92	14.62	$\pm 10\%$	NA
	4.490	4487.7	14.71	$\pm 10\%$ of standard	EPA 2023
	4.00	4.12	14.71	± 0.1	GWMP
	7.00	7.10	14.81	± 0.1	GWMP
	10.00	10.01	14.41	± 0.1	GWMP
	228.0	241.3	14.14	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.02	$\pm 10\%$ of standard	EPA 2023
	1.00	0.97		
	10.00	9.76		

Calibration Check					
Time Start	Standard	Calibration Value	Calibration Solution Temperature ($^{\circ}\text{C}$)	Acceptance Criteria	Reference
	4.490	4492.7	15.31	$\pm 10\%$ of standard	EPA 2023
	4.00	4.05	15.42	± 0.1	GWMP
	7.00	7.03	15.61	± 0.1	GWMP
	10.00	10.06	15.36	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.00	$\pm 10\%$ of standard	EPA 2023
	1.00	1.01		
	10.00	9.68		

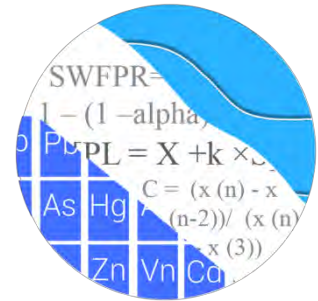
Notes:

APPENDIX D

Statistical Analysis Reports

February 2023

GROUNDWATER STATS CONSULTING



August 31, 2023

Southern Company Services
Attn: Ms. Kristen Jurinko
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Bowen Ash Pond 1 (AP-1)
February 2023 Sample Event

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the Groundwater Detection and Assessment Monitoring Semi-Annual February 2023 sample event for Georgia Power Company's Plant Bowen AP-1. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Appendix III and IV parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells with exceptions noted below. All wells were sampled most recently in February 2023. Sampling is conducted on a semi-annual basis for all constituents. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient well:** BGWA-2, BGWA-29, BGWA-33, BGWA-47D, and BGWA-48D
- **Downgradient wells:** BGWC-7, BGWC-8, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20,

BGWC-21, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, and BGWC-52

- **Assessment wells:** BGWA-6, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-36D, BGWC-37D, BGWC-38D, BGWC-39, BGWC-40, BGWC-41D, BGWC-42D, BGWC-43D, BGWC-44D, BGWC-49D, and BGWC-50D

Sampling for upgradient well BGWA-33 began in April 2019 and for upgradient wells BGWA-47D and BGWA-48D in May 2020. Data from these wells are pooled with upgradient wells for construction of interwell statistical limits. Downgradient wells BGWC-51 and BGWC-52 were first sampled in January 2021 and currently have a maximum of 7 samples; therefore, these wells are evaluated with confidence intervals for Appendix IV constituents, which require a minimum of 4 samples. Data at these wells will be evaluated for the Appendix III constituents when a minimum of 8 background samples have been collected.

Sampling for assessment wells started at various dates ranging from June 2016 to March 2021 as listed below:

- June 2016 - BGWA-6
- October 2018 - BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, and BGWC-36D
- May 2019 - BGWC-37D and BGWC-38D
- December 2019 - BGWC-39 and BGWC-40
- May 2020 - BGWC-41D, BGWC-42D, BGWC-43D, and BGWC-44D
- March 2021 – BGWC-49D and BGWC-50D

Data from assessment wells are analyzed using confidence intervals for Appendix IV constituents when a minimum of 4 samples are available as mentioned above. Currently assessment wells BGWC-49D and BGWC-50D have the required minimum and, therefore, are evaluated using confidence intervals. Data from all assessment wells are plotted on the time series graphs and box plots.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The CCR program consists of the following constituents listed below. The terms “constituent” and “parameter” are interchangeable.

- **Appendix III** (Detection Monitoring) - boron, calcium, chloride, fluoride, pH, sulfate, and TDS

- **Appendix IV** (Assessment Monitoring) – antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix IV downgradient and assessment well/constituent pairs with 100% non-detects follows this letter. For all constituents, a substitution of the most recent reporting limit is used for non-detect data which generally gives the most conservative limit in each case. In the cases of antimony, arsenic, cadmium, and lithium, historic reporting limits were either higher than or equal to the MCL or CCR-Rule specified levels; therefore, a substitution of the most recent (and lower) reporting limit was substituted across all wells for these constituents.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Based on the previous screening, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the 2017 screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

The original background screening was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Interwell prediction limits, combined with a 1-of-2 resample plan, were recommended.

Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a

single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. While data were further tested for intrawell eligibility during the screening, interwell methods are used for all Appendix III constituents in accordance with Georgia EPD requirements.

Summary of Statistical Methods – Appendix III and IV Parameters

Based on the evaluation for state and federal regulatory requirements, the following methods were selected for Appendix III and IV constituents:

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan, for each Appendix III constituent
- Appendix IV: Confidence intervals on downgradient well data compared against Groundwater Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric prediction limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. While this was not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Statistical Analysis of Appendix III Parameters – February 2023

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were re-assessed for potential outliers during this analysis. No new Appendix III values were flagged as an outlier in the database for Appendix III parameters. Values in background which were previously flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through February 2023 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2023 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result. Therefore, no exceedance is noted and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. Several prediction limit exceedances were noted for Appendix III parameters and a summary table of the interwell prediction limits follows this letter.

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of variability in groundwater unrelated to practices at the site. A summary along with complete graphical results of the trend tests follows this report. Statistically significant trends were noted for the following well/constituent pairs:

Increasing

- Boron: BGWC-12, BGWC-20, BGWC-22, and BGWC-23
- Calcium: BGWA-2 (upgradient), BGWC-12, BGWC-16, BGWC-20, BGWC-22, and BGWC-23
- Chloride: BGWC-10, BGWC-22, and BGWC-23
- Sulfate: BGWA-2 (upgradient), BGWC-12, and BGWC-16
- TDS: BGWA-2 (upgradient), BGWC-12, BGWC-16, BGWC-22, and BGWC-23

Decreasing

- Boron: BGWC-7, BGWC-9, BGWC-17, BGWC-18, BGWC-19, and BGWC-30
- Chloride: BGWA-29 (upgradient), BGWA-47D (upgradient), BGWC-12, BGWC-16, BGWC-24, and BGWC-30
- pH: BGWA-2 (upgradient), BGWA-47D (upgradient), BGWC-16, and BGWC-22
- Sulfate: BGWC-7
- TDS: BGWC-7 and BGWC-30

Statistical Analysis of Appendix IV Parameters – February 2023

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs that have 100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. No new measurements were flagged and all previously flagged measurements were confirmed. A summary of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

First, interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through February 2023 for Appendix IV constituents (Figure F). Parametric tolerance limits are used when data follow a normal or transformed-normal distribution. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison of downgradient well data to GWPS, confidence intervals were constructed for the Appendix IV constituents in each downgradient and assessment well using all available data through February 2023 (Figure H).

Confidence intervals were compared to the GWPS prepared as described above. These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used

for Appendix IV parameters. Nonparametric confidence intervals, which use the highest and lowest values in background as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Summaries of the confidence intervals follow this letter and exceedances were identified for the following well/constituent pairs:

- Arsenic: BGWC-34D
- Cobalt: BGWC-22
- Molybdenum: BGWC-43D

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure I). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient trends, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Cobalt: BGWC-22

Decreasing

- Molybdenum: BGWA-33 (upgradient)

Resample Reports – May 2023

Additional data were collected in May 2023 for antimony and pH in downgradient well GWC-23. An interwell prediction limit was constructed using background data through February 2023 to compare the May 2023 resample for pH at well GWC-23 (Figure J). No

exceedance was identified. Additionally, a confidence interval was constructed for antimony at GWC-23 using data through May 2023 (Figure K). No exceedance was noted.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen AP-1. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Abdul Diane
Groundwater Analyst



Andrew Collins
Project Manager

100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 4/6/2023 1:25 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Antimony (mg/L)

BGWC-12, BGWC-18, BGWC-30, BGWC-39

Beryllium (mg/L)

BGWA-6, BGWC-10, BGWC-14A, BGWC-20, BGWC-21, BGWC-25, BGWC-30, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-37D, BGWC-40, BGWC-41D, BGWC-42D, BGWC-43D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-7, BGWC-8, BGWC-9

Cadmium (mg/L)

BGWA-6, BGWC-10, BGWC-12, BGWC-21, BGWC-25, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-36D, BGWC-37D, BGWC-40, BGWC-41D, BGWC-42D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-7, BGWC-8, BGWC-9

Chromium (mg/L)

BGWC-19, BGWC-22, BGWC-34D, BGWC-50D

Cobalt (mg/L)

BGWC-42D, BGWC-44D, BGWC-51

Fluoride (mg/L)

BGWC-31

Lead (mg/L)

BGWC-7

Lithium (mg/L)

BGWC-18, BGWC-19, BGWC-21, BGWC-25, BGWC-31, BGWC-32

Mercury (mg/L)

BGWC-32, BGWC-37D, BGWC-39, BGWC-40, BGWC-41D, BGWC-42D, BGWC-43D, BGWC-49D, BGWC-50D

Molybdenum (mg/L)

BGWC-12, BGWC-16, BGWC-17, BGWC-18

Selenium (mg/L)

BGWC-10, BGWC-25, BGWC-35D, BGWC-37D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-7

Thallium (mg/L)

BGWC-10, BGWC-21, BGWC-25, BGWC-31, BGWC-37D, BGWC-41D, BGWC-42D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-8

Appendix III - Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 12:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.043	n/a	1/27/2023	0.53	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.043	n/a	1/26/2023	1.3	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.043	n/a	1/26/2023	0.69	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.043	n/a	1/26/2023	1.6	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.043	n/a	1/26/2023	1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.043	n/a	1/26/2023	0.45	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.043	n/a	1/27/2023	0.18	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.043	n/a	1/30/2023	4.7	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.043	n/a	2/7/2023	16.9	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.043	n/a	2/2/2023	13.1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.043	n/a	2/1/2023	18.4	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.043	n/a	2/1/2023	3.2	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-7	0.043	n/a	1/26/2023	1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-8	0.043	n/a	1/26/2023	0.051	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.043	n/a	1/26/2023	0.41	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	1/26/2023	178	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	1/26/2023	178	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	1/30/2023	309	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	2/7/2023	583	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	2/2/2023	543	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	2/1/2023	552	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	1/26/2023	146	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	8.983	n/a	1/27/2023	28.2	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	8.983	n/a	1/26/2023	14.5	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	8.983	n/a	1/26/2023	10.9	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	8.983	n/a	1/26/2023	18.3	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	8.983	n/a	1/26/2023	34	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	8.983	n/a	1/30/2023	156	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	8.983	n/a	2/7/2023	803	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	8.983	n/a	2/2/2023	737	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	8.983	n/a	2/1/2023	789	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	8.983	n/a	2/1/2023	154	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
pH (s.u.)	BGWC-16	8.34	6.658	1/26/2023	6.56	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-18	8.34	6.658	1/26/2023	6.2	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-19	8.34	6.658	1/27/2023	6.61	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-22	8.34	6.658	2/7/2023	6.44	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-7	8.34	6.658	1/26/2023	6.63	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	1/27/2023	97.3	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	1/26/2023	463	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	1/26/2023	213	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	1/26/2023	490	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	1/26/2023	110	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	1/30/2023	622	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	2/7/2023	707	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	2/2/2023	514	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	2/1/2023	395	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	1/26/2023	253	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-12	474.8	n/a	1/26/2023	995	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-14A	474.8	n/a	1/26/2023	554	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-16	474.8	n/a	1/26/2023	895	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-20	474.8	n/a	1/30/2023	1280	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-22	474.8	n/a	2/7/2023	2490	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-23	474.8	n/a	2/2/2023	2680	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-24	474.8	n/a	2/1/2023	2550	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-30	474.8	n/a	2/1/2023	745	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-7	474.8	n/a	1/26/2023	657	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 12:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.043	n/a	1/27/2023	0.53	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.043	n/a	1/26/2023	1.3	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.043	n/a	1/26/2023	0.69	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.043	n/a	1/26/2023	1.6	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.043	n/a	1/26/2023	1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.043	n/a	1/26/2023	0.45	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.043	n/a	1/27/2023	0.18	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.043	n/a	1/30/2023	4.7	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-21	0.043	n/a	1/27/2023	0.026J	No	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.043	n/a	2/7/2023	16.9	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.043	n/a	2/2/2023	13.1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.043	n/a	2/1/2023	18.4	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-25	0.043	n/a	1/27/2023	0.029J	No	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.043	n/a	2/1/2023	3.2	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-7	0.043	n/a	1/26/2023	1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-8	0.043	n/a	1/26/2023	0.051	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.043	n/a	1/26/2023	0.41	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-10	117	n/a	1/27/2023	64	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	1/26/2023	178	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	1/26/2023	117	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	1/26/2023	178	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-17	117	n/a	1/26/2023	76.2	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-18	117	n/a	1/26/2023	41.4	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-19	117	n/a	1/27/2023	39.3	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	1/30/2023	309	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-21	117	n/a	1/27/2023	46.5	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	2/7/2023	583	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	2/2/2023	543	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	2/1/2023	552	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-25	117	n/a	1/27/2023	48.8	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-30	117	n/a	2/1/2023	113	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	1/26/2023	146	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-8	117	n/a	1/26/2023	42.8	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-9	117	n/a	1/26/2023	62.4	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	8.983	n/a	1/27/2023	28.2	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	8.983	n/a	1/26/2023	14.5	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	8.983	n/a	1/26/2023	10.9	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	8.983	n/a	1/26/2023	18.3	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	8.983	n/a	1/26/2023	34	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-18	8.983	n/a	1/26/2023	5.9	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-19	8.983	n/a	1/27/2023	3.1	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	8.983	n/a	1/30/2023	156	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-21	8.983	n/a	1/27/2023	6.1	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	8.983	n/a	2/7/2023	803	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	8.983	n/a	2/2/2023	737	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	8.983	n/a	2/1/2023	789	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-25	8.983	n/a	1/27/2023	5.4	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	8.983	n/a	2/1/2023	154	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-7	8.983	n/a	1/26/2023	7.5	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-8	8.983	n/a	1/26/2023	1.7	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-9	8.983	n/a	1/26/2023	7.5	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Fluoride (mg/L)	BGWC-10	0.57	n/a	1/27/2023	0.058J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-12	0.57	n/a	1/26/2023	0.083J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-14A	0.57	n/a	1/26/2023	0.084J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-16	0.57	n/a	1/26/2023	0.091J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-17	0.57	n/a	1/26/2023	0.13	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-18	0.57	n/a	1/26/2023	0.056J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-19	0.57	n/a	1/27/2023	0.077J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-20	0.57	n/a	1/30/2023	0.064J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-21	0.57	n/a	1/27/2023	0.1ND	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-22	0.57	n/a	2/7/2023	0.26	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-23	0.57	n/a	2/2/2023	0.074J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-24	0.57	n/a	2/1/2023	0.18	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-25	0.57	n/a	1/27/2023	0.053J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-30	0.57	n/a	2/1/2023	0.092J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-7	0.57	n/a	1/26/2023	0.15	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-8	0.57	n/a	1/26/2023	0.063J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-9	0.57	n/a	1/26/2023	0.09J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 12:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (s.u.)	BGWC-10	8.34	6.658	1/27/2023	7.02	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-12	8.34	6.658	1/26/2023	6.68	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-14A	8.34	6.658	1/26/2023	6.91	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-16	8.34	6.658	1/26/2023	6.56	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-17	8.34	6.658	1/26/2023	7.21	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-18	8.34	6.658	1/26/2023	6.2	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-19	8.34	6.658	1/27/2023	6.61	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-20	8.34	6.658	1/30/2023	7.18	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-21	8.34	6.658	1/27/2023	7.76	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-22	8.34	6.658	2/7/2023	6.44	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-23	8.34	6.658	2/2/2023	6.8	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-24	8.34	6.658	2/1/2023	6.68	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-25	8.34	6.658	1/27/2023	7.14	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-30	8.34	6.658	2/1/2023	7.15	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-7	8.34	6.658	1/26/2023	6.63	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-8	8.34	6.658	1/26/2023	7.34	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-9	8.34	6.658	1/26/2023	7.04	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	1/27/2023	97.3	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	1/26/2023	463	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	1/26/2023	213	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	1/26/2023	490	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	1/26/2023	110	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-18	78	n/a	1/26/2023	58.3	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-19	78	n/a	1/27/2023	38.2	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	1/30/2023	622	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-21	78	n/a	1/27/2023	55.3	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	2/7/2023	707	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	2/2/2023	514	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	2/1/2023	395	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-25	78	n/a	1/27/2023	24.1	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-30	78	n/a	2/1/2023	75.5	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	1/26/2023	253	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-8	78	n/a	1/26/2023	24.3	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	1/26/2023	63.6	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-10	474.8	n/a	1/27/2023	380	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-12	474.8	n/a	1/26/2023	995	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-14A	474.8	n/a	1/26/2023	554	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-16	474.8	n/a	1/26/2023	895	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-17	474.8	n/a	1/26/2023	396	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-18	474.8	n/a	1/26/2023	197	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-19	474.8	n/a	1/27/2023	200	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-20	474.8	n/a	1/30/2023	1280	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-21	474.8	n/a	1/27/2023	342	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-22	474.8	n/a	2/7/2023	2490	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-23	474.8	n/a	2/2/2023	2680	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-24	474.8	n/a	2/1/2023	2550	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-25	474.8	n/a	1/27/2023	310	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-30	474.8	n/a	2/1/2023	745	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-7	474.8	n/a	1/26/2023	657	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-8	474.8	n/a	1/26/2023	190	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-9	474.8	n/a	1/26/2023	301	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2

Appendix III - Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 1:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWC-12	0.05638	109	81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.07724	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.07522	-114	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.05615	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.1801	86	81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.721	169	105	Yes	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.781	161	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.633	-136	-98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.1575	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.03986	-110	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.99	133	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.44	165	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	7.825	104	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.42	132	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	57.52	187	105	Yes	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	76.87	165	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.1394	-136	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3104	-46	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.249	129	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-5.069	-177	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.932	-129	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	54.33	137	105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	91.25	145	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-156.3	-110	-98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-138.8	-145	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-2 (bg)	-0.05116	-127	-111	Yes	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1313	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06314	-180	-105	Yes	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-22	-0.06121	-216	-124	Yes	27	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.374	141	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	33.16	138	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	16.89	113	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.63	-99	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-2 (bg)	8.03	86	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	63.06	124	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-16	22.88	86	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	207.9	96	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	229.6	128	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-346.1	-124	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-48	-118	-81	Yes	20	0	n/a	n/a	0.01	NP

Appendix III - Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 1:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	-0.0005906	-20	-87	No	21	9.524	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	-13	-87	No	21	52.38	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-33 (bg)	-0.006311	-22	-30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.002819	-29	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	0.008052	19	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-10	0.0028	28	81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-12	0.05638	109	81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-14A	0.099	21	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-16	-0.005124	-18	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.07724	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.07522	-114	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.05615	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.1801	86	81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.721	169	105	Yes	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.781	161	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-24	-0.7355	-36	-98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.633	-136	-98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.1575	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-8	-0.003648	-56	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.03986	-110	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.99	133	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-29 (bg)	-0.03139	-6	-87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-33 (bg)	5.858	19	30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	3.925	25	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	2.739	6	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.44	165	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	7.825	104	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.42	132	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	57.52	187	105	Yes	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	76.87	165	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-24	-35.1	-47	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-7	-1.146	-34	-81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-2 (bg)	0.1884	78	87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.1394	-136	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-33 (bg)	-0.05685	-2	-25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3104	-46	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-48D (bg)	1.602	23	43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.249	129	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-5.069	-177	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-14A	-3.326	-25	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.932	-129	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-17	0.4813	19	81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-20	2.225	67	81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	54.33	137	105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	91.25	145	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-156.3	-110	-98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-138.8	-145	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-2 (bg)	-0.05116	-127	-111	Yes	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-29 (bg)	0	-2	-105	No	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-33 (bg)	-0.2013	-33	-38	No	12	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1313	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-48D (bg)	-0.1821	-42	-48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06314	-180	-105	Yes	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-18	-0.07728	-85	-105	No	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-19	-0.003283	-17	-105	No	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-22	-0.06121	-216	-124	Yes	27	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-7	-0.02517	-73	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.374	141	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-29 (bg)	-0.4674	-59	-87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-33 (bg)	-2.238	-20	-25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-47D (bg)	4.998	38	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	-4.485	-32	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-1.365	-75	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	33.16	138	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-14A	46.4	16	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	16.89	113	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-17	-4.183	-54	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-20	1.104	6	81	No	20	0	n/a	n/a	0.01	NP

Appendix III - Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 1:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	BGWC-22	8.116	28	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-23	22.66	76	92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-24	-41	-87	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.63	-99	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-2 (bg)	8.03	86	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-29 (bg)	-1.689	-33	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-33 (bg)	0	1	30	No	10	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-47D (bg)	7.283	20	43	No	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-48D (bg)	0.4335	1	43	No	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	63.06	124	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-14A	53.18	18	43	No	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-16	22.88	86	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-20	29.53	78	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	207.9	96	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	229.6	128	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-24	-247.1	-68	-87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-346.1	-124	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-48	-118	-81	Yes	20	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 12:53 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.0042	n/a	n/a	n/a	n/a	75	60	n/a	0.02134	NP Inter(NDs)
Arsenic (mg/L)	0.01	n/a	n/a	n/a	n/a	85	51.76	n/a	0.01278	NP Inter(NDs)
Barium (mg/L)	0.218	n/a	n/a	n/a	n/a	85	0	n/a	0.01278	NP Inter(normality)
Beryllium (mg/L)	0.0005	n/a	n/a	n/a	n/a	81	98.77	n/a	0.01569	NP Inter(NDs)
Cadmium (mg/L)	0.0005	n/a	n/a	n/a	n/a	85	97.65	n/a	0.01278	NP Inter(NDs)
Chromium (mg/L)	0.005	n/a	n/a	n/a	n/a	81	61.73	n/a	0.01569	NP Inter(NDs)
Cobalt (mg/L)	0.005	n/a	n/a	n/a	n/a	86	90.7	n/a	0.01214	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.666	n/a	n/a	n/a	n/a	84	0	No	0.05	Inter
Fluoride (mg/L)	0.57	n/a	n/a	n/a	n/a	88	46.59	n/a	0.01096	NP Inter(normality)
Lead (mg/L)	0.0024	n/a	n/a	n/a	n/a	81	66.67	n/a	0.01569	NP Inter(NDs)
Lithium (mg/L)	0.03	n/a	n/a	n/a	n/a	85	82.35	n/a	0.01278	NP Inter(NDs)
Mercury (mg/L)	0.00022	n/a	n/a	n/a	n/a	81	90.12	n/a	0.01569	NP Inter(NDs)
Molybdenum (mg/L)	0.034	n/a	n/a	n/a	n/a	87	54.02	n/a	0.01153	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	n/a	n/a	81	86.42	n/a	0.01569	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	n/a	85	84.71	n/a	0.01278	NP Inter(NDs)

BOWEN ASH POND 1 GWPS				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.01	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.005	0.1
Cobalt, Total (mg/L)		0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.67	5
Fluoride, Total (mg/L)	4		0.57	4
Lead, Total (mg/L)		0.015	0.0024	0.015
Lithium, Total (mg/L)		0.04	0.03	0.04
Mercury, Total (mg/L)	0.002		0.00022	0.002
Molybdenum, Total (mg/L)		0.1	0.034	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

Confidence Intervals - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	BGWC-34D	0.01823	0.01506	0.01	Yes	14	0.01664	0.00224	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-22	0.02634	0.01665	0.006	Yes	26	0.0215	0.009947	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2083	0.1337	0.1	Yes	10	0.171	0.04175	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BGWA-6	0.003	0.0017	0.006	No	17	0.002924	0.0003153	94.12	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-10	0.003	0.0022	0.006	No	19	0.002832	0.0004191	84.21	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-14A	0.003	0.00061	0.006	No	14	0.002636	0.0009262	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-16	0.003	0.0004	0.006	No	19	0.002863	0.0005965	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-17	0.003	0.0002	0.006	No	19	0.002853	0.0006424	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-19	0.003	0.0005	0.006	No	19	0.002868	0.0005735	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-20	0.003	0.0014	0.006	No	19	0.002784	0.0006635	89.47	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-21	0.003	0.0017	0.006	No	18	0.002839	0.0004717	88.89	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-22	0.003	0.0023	0.006	No	19	0.002773	0.0006547	84.21	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-23	0.003	0.0014	0.006	No	19	0.002697	0.001399	63.16	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-24	0.0032	0.0028	0.006	No	19	0.002823	0.0009442	73.68	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-25	0.003	0.0013	0.006	No	19	0.002911	0.00039	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-31	0.003	0.00038	0.006	No	9	0.002709	0.0008733	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-32	0.003	0.00036	0.006	No	9	0.002417	0.001158	77.78	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-34D	0.003	0.00049	0.006	No	9	0.002476	0.001043	77.78	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-35D	0.003	0.00064	0.006	No	9	0.002478	0.001036	77.78	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-36D	0.003	0.00096	0.006	No	9	0.002773	0.00068	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-37D	0.003	0.00041	0.006	No	9	0.002623	0.0008711	77.78	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-38D	0.00481	0.0003097	0.006	No	9	0.00306	0.003251	22.22	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-40	0.003	0.0005	0.006	No	9	0.002722	0.0008333	88.89	Kaplan-Meier	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-41D	0.003	0.0014	0.006	No	7	0.002543	0.0007807	71.43	Kaplan-Meier	No	0.008	NP (NDs)
Antimony (mg/L)	BGWC-42D	0.003	0.00072	0.006	No	7	0.00205	0.001001	42.86	None	No	0.008	NP (normality)
Antimony (mg/L)	BGWC-43D	0.003	0.00058	0.006	No	7	0.002356	0.001104	71.43	None	No	0.008	NP (NDs)
Antimony (mg/L)	BGWC-44D	0.005111	0.0008384	0.006	No	7	0.003186	0.002664	28.57	Kaplan-Meier	x^(1/3)	0.01	Param.
Antimony (mg/L)	BGWC-49D	0.003	0.00039	0.006	No	5	0.002478	0.001167	80	None	No	0.031	NP (NDs)
Antimony (mg/L)	BGWC-50D	0.003	0.0017	0.006	No	5	0.00252	0.0006611	60	None	No	0.031	NP (NDs)
Antimony (mg/L)	BGWC-51	0.003	0.0019	0.006	No	7	0.002843	0.0004158	85.71	None	No	0.008	NP (NDs)
Antimony (mg/L)	BGWC-52	0.003	0.00053	0.006	No	7	0.002183	0.0011	57.14	None	No	0.008	NP (NDs)
Antimony (mg/L)	BGWC-7	0.003	0.0016	0.006	No	19	0.002574	0.0008912	78.95	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-8	0.003	0.00059	0.006	No	19	0.002603	0.0009434	84.21	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-9	0.003	0.0014	0.006	No	18	0.002491	0.001003	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWA-6	0.005	0.0012	0.01	No	20	0.003623	0.001945	65	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-10	0.007246	0.005441	0.01	No	23	0.006343	0.001725	4.348	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-12	0.005	0.0009	0.01	No	23	0.002741	0.002011	39.13	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-14A	0.005	0.002	0.01	No	14	0.004107	0.001559	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-16	0.005	0.0008	0.01	No	23	0.003356	0.002107	60.87	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-17	0.005	0.0012	0.01	No	23	0.003596	0.001984	65.22	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-18	0.005	0.0013	0.01	No	23	0.003578	0.00202	65.22	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-19	0.005	0.0008	0.01	No	23	0.003207	0.002122	56.52	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-20	0.005	0.0015	0.01	No	23	0.003018	0.001853	43.48	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-21	0.005	0.0011	0.01	No	22	0.003064	0.002021	50	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-22	0.003101	0.001912	0.01	No	23	0.002596	0.001272	8.696	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-23	0.003944	0.001858	0.01	No	23	0.003143	0.002379	4.348	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-24	0.005353	0.002957	0.01	No	24	0.004392	0.002594	12.5	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-25	0.002952	0.002107	0.01	No	23	0.002574	0.0008838	8.696	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-30	0.005	0.001	0.01	No	23	0.002827	0.001865	34.78	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-31	0.005505	0.003779	0.01	No	12	0.004642	0.0011	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-32	0.003099	0.001098	0.01	No	12	0.002594	0.001646	16.67	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-34D	0.01823	0.01506	0.01	Yes	14	0.01664	0.00224	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-35D	0.004021	0.001406	0.01	No	12	0.002713	0.001666	8.333	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-36D	0.005	0.00064	0.01	No	12	0.002909	0.001988	41.67	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-37D	0.03066	0.008987	0.01	No	9	0.01982	0.01122	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-38D	0.003722	0.001285	0.01	No	9	0.0032	0.001584	22.22	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-39	0.0055	0.00055	0.01	No	9	0.00405	0.001681	33.33	None	No	0.002	NP (selected)
Arsenic (mg/L)	BGWC-40	0.002773	0.0009041	0.01	No	9	0.002892	0.001789	33.33	Kaplan-Meier	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	BGWC-41D	0.006917	0.0006886	0.01	No	7	0.003803	0.002622	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-42D	0.009044	0.001985	0.01	No	7	0.005514	0.002971	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-43D	0.00437	0.0005705	0.01	No	7	0.00247	0.001599	14.29	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-44D	0.006842	0.002272	0.01	No	7	0.004557	0.001923	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-49D	0.009256	0.001104	0.01	No	5	0.00518	0.002432	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-50D	0.003843	0.001557	0.01	No	5	0.00316	0.001234	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-51	0.005738	0.001433	0.01	No	7	0.0044	0.001688	42.86	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-52	0.005	0.00099	0.01	No	7	0.003113	0.00187	42.86	None	No	0.008	NP (normality)
Arsenic (mg/L)	BGWC-7	0.002759	0.002015	0.01	No	23	0.002387	0.0007111	8.696	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-8	0.005	0.00065	0.01	No	23	0.002607	0.002162	43.48	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-9	0.002812	0.002142	0.01	No	22	0.002477	0.0006241	13.64	None	No	0.01	Param.
Barium (mg/L)	BGWA-6	0.016	0.0115	2	No	20	0.02022	0.0162	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-10	0.05829	0.04536	2	No	23	0.05183	0.01236	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-12	0.03823	0.03093	2	No	23	0.03458	0.006984	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-14A	0.04129	0.03114	2	No	14	0.03621	0.00717	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-16	0.03047	0.02759	2	No	23	0.02903	0.002754	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-17	0.01819	0.01561	2	No	23	0.01703	0.002631	0	None	ln(x)	0.01	Param.
Barium (mg/L)	BGWC-18	0.03502	0.03036	2	No	23	0.03269	0.004459	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-19	0.03795	0.0311	2	No	23	0.03452	0.006549	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-20	0.03415	0.03106	2	No	23	0.03261	0.002954	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-21	0.04263	0.03153	2	No	22	0.03708	0.01034	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-22	0.09012	0.07881	2	No	23	0.08447	0.01081	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-23	0.11	0.085	2	No	23	0.09833	0.01418	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-24	0.1058	0.0752	2	No	24	0.09048	0.02994	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-25	0.02423	0.01793	2	No	23	0.02172	0.006701	0	None	ln(x)	0.01	Param.
Barium (mg/L)	BGWC-30	0.191	0.072	2	No	23	0.1171	0.05925	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-31	0.04404	0.03547	2	No	12	0.03983	0.005734	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-32	0.1198	0.09157	2	No	12	0.106	0.01865	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-34D	0.0506	0.03823	2	No	12	0.04442	0.007879	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-35D	0.09661	0.06506	2	No	12	0.08083	0.02011	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-36D	0.084	0.062	2	No	12	0.07142	0.01406	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-37D	0.12	0.087	2	No	9	0.09522	0.01054	0	None	No	0.002	NP (normality)
Barium (mg/L)	BGWC-38D	0.1924	0.09602	2	No	9	0.1442	0.04992	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-39	0.07771	0.04473	2	No	9	0.06122	0.01708	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-40	0.05717	0.04573	2	No	9	0.05144	0.006044	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-41D	0.06801	0.04942	2	No	7	0.05871	0.007825	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-42D	0.1373	0.07101	2	No	7	0.1041	0.0279	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-43D	0.0789	0.06025	2	No	7	0.06957	0.00785	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-44D	0.02676	0.01581	2	No	7	0.02129	0.004608	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-49D	0.09839	0.04761	2	No	5	0.073	0.01515	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-50D	0.07166	0.01954	2	No	5	0.0456	0.01555	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-51	0.061	0.0081	2	No	7	0.0343	0.02326	0	None	No	0.008	NP (selected)
Barium (mg/L)	BGWC-52	0.09236	0.02192	2	No	7	0.05714	0.02965	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-7	0.03856	0.03274	2	No	23	0.03565	0.005559	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-8	0.03045	0.02718	2	No	23	0.02812	0.005484	0	None	x^3	0.01	Param.
Barium (mg/L)	BGWC-9	0.03147	0.0274	2	No	22	0.02944	0.003795	0	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-12	0.0005	0.000076	0.004	No	21	0.0004582	0.0001321	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-16	0.003	0.00012	0.004	No	21	0.001354	0.001461	42.86	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-17	0.0005	0.000065	0.004	No	21	0.0004161	0.0001773	80.95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-18	0.0005	0.000076	0.004	No	21	0.000339	0.0002106	61.9	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-19	0.0005	0.00008	0.004	No	21	0.0003378	0.0002122	61.9	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-22	0.003	0.00011	0.004	No	21	0.001348	0.001466	42.86	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-23	0.0005	0.000054	0.004	No	21	0.0004788	0.00009733	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-24	0.0005	0.00018	0.004	No	22	0.000367	0.0001707	59.09	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-36D	0.0005	0.0005	0.004	No	11	0.0004609	0.0001296	90.91	None	No	0.006	NP (NDs)

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Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	BGWC-38D	0.0005	0.000054	0.004	No	9	0.0002609	0.0002271	44.44	None	No	0.002	NP (normality)
Beryllium (mg/L)	BGWC-39	0.0005	0.000079	0.004	No	9	0.0004532	0.0001403	88.89	None	No	0.002	NP (NDs)
Beryllium (mg/L)	BGWC-51	0.0002166	0.00004768	0.004	No	7	0.0001321	0.00007111	14.29	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-52	0.0005	0.000052	0.004	No	7	0.000436	0.0001693	85.71	None	No	0.008	NP (NDs)
Cadmium (mg/L)	BGWC-14A	0.0005	0.00017	0.005	No	14	0.0003336	0.0001609	42.86	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-16	0.001721	0.001331	0.005	No	23	0.001526	0.0003732	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-17	0.0005	0.00015	0.005	No	23	0.0003113	0.0001748	43.48	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-18	0.0006	0.0003	0.005	No	23	0.0004284	0.0001757	52.17	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-19	0.0005	0.0002	0.005	No	23	0.0004522	0.0001275	86.96	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-20	0.0005	0.00008	0.005	No	23	0.0004817	0.00008758	95.65	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-22	0.0005	0.00033	0.005	No	23	0.000437	0.0001858	65.22	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-23	0.0005	0.00019	0.005	No	23	0.0004865	0.00006464	95.65	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-24	0.00552	0.003054	0.005	No	24	0.004287	0.002416	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-30	0.0005	0.0003	0.005	No	23	0.0004208	0.0001337	56.52	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-38D	0.00081	0.00032	0.005	No	9	0.0005144	0.0001258	77.78	None	No	0.002	NP (NDs)
Cadmium (mg/L)	BGWC-39	0.0005	0.00012	0.005	No	9	0.0003278	0.0001716	44.44	None	No	0.002	NP (normality)
Cadmium (mg/L)	BGWC-43D	0.001321	0.00001887	0.005	No	7	0.00067	0.0005482	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-51	0.0005582	0.0002418	0.005	No	7	0.0004814	0.000118	42.86	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	BGWC-52	0.0005	0.00018	0.005	No	7	0.0003729	0.0001603	57.14	Kaplan-Meier	No	0.008	NP (NDs)
Chromium (mg/L)	BGWA-6	0.005	0.0044	0.1	No	19	0.004784	0.0008071	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-10	0.005	0.0011	0.1	No	21	0.004814	0.000851	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-12	0.005	0.00079	0.1	No	21	0.003782	0.001992	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-14A	0.026	0.0014	0.1	No	14	0.006243	0.005767	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-16	0.005	0.0019	0.1	No	21	0.004648	0.001127	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-17	0.005	0.00044	0.1	No	21	0.004563	0.001379	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-18	0.005	0.0011	0.1	No	21	0.004391	0.001532	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-20	0.005	0.0011	0.1	No	21	0.003782	0.001798	61.9	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-21	0.005	0.0025	0.1	No	20	0.004645	0.001143	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-23	0.005	0.0033	0.1	No	21	0.004181	0.00159	76.19	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-24	0.005	0.0009	0.1	No	22	0.004409	0.001525	86.36	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-25	0.005	0.0021	0.1	No	21	0.004862	0.0006328	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-30	0.005	0.00082	0.1	No	21	0.002443	0.002068	38.1	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-31	0.005	0.00064	0.1	No	11	0.003845	0.001982	72.73	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-32	0.005	0.00062	0.1	No	11	0.003401	0.002096	54.55	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-35D	0.005	0.00072	0.1	No	11	0.003863	0.001951	72.73	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-36D	0.005	0.00057	0.1	No	11	0.003431	0.00218	63.64	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-37D	0.005	0.00068	0.1	No	9	0.00404	0.001905	77.78	None	No	0.002	NP (NDs)
Chromium (mg/L)	BGWC-38D	0.005	0.00042	0.1	No	9	0.00428	0.001578	77.78	None	No	0.002	NP (NDs)
Chromium (mg/L)	BGWC-39	0.005	0.001	0.1	No	9	0.004556	0.001333	88.89	None	No	0.002	NP (NDs)
Chromium (mg/L)	BGWC-40	0.005	0.00043	0.1	No	9	0.002638	0.002248	33.33	None	No	0.002	NP (normality)
Chromium (mg/L)	BGWC-41D	0.005	0.00068	0.1	No	7	0.004383	0.001633	85.71	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-42D	0.005	0.00062	0.1	No	7	0.003817	0.002025	71.43	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-43D	0.005	0.0024	0.1	No	7	0.004629	0.0009827	85.71	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-44D	0.005	0.00093	0.1	No	7	0.003481	0.001965	57.14	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-49D	0.005	0.00071	0.1	No	5	0.004142	0.001919	80	None	No	0.031	NP (NDs)
Chromium (mg/L)	BGWC-51	0.005	0.0006	0.1	No	7	0.004371	0.001663	85.71	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-52	0.005	0.00061	0.1	No	7	0.003359	0.002068	57.14	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-7	0.005	0.00095	0.1	No	21	0.004386	0.001542	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-8	0.005	0.0011	0.1	No	21	0.005229	0.01336	23.81	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-9	0.005	0.0021	0.1	No	20	0.004705	0.0009081	90	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWA-6	0.005	0.00052	0.006	No	20	0.003007	0.002267	55	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-10	0.005	0.00052	0.006	No	23	0.003419	0.002214	65.22	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-12	0.005	0.00045	0.006	No	23	0.002645	0.002308	47.83	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-14A	0.002579	0.001178	0.006	No	14	0.002822	0.001651	28.57	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	BGWC-16	0.008215	0.00562	0.006	No	23	0.006917	0.00248	4.348	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	BGWC-17	0.005	0.00015	0.006	No	23	0.004789	0.001011	95.65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-18	0.005	0.0009	0.006	No	23	0.004036	0.001874	78.26	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-19	0.005	0.000072	0.006	No	23	0.004786	0.001028	95.65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-20	0.005	0.0008	0.006	No	23	0.004409	0.001564	86.96	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-21	0.005	0.0006	0.006	No	22	0.002649	0.002089	40.91	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-22	0.02634	0.01665	0.006	Yes	26	0.0215	0.009947	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-23	0.005	0.0015	0.006	No	25	0.003768	0.002027	72	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-24	0.004009	0.002914	0.006	No	26	0.003462	0.001123	11.54	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-25	0.005	0.0006	0.006	No	23	0.004601	0.001324	91.3	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-30	0.005	0.0009	0.006	No	25	0.003365	0.002063	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-31	0.005	0.00036	0.006	No	12	0.002737	0.002367	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-32	0.007392	0.002601	0.006	No	14	0.004996	0.003382	7.143	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-34D	0.0009685	0.0004919	0.006	No	12	0.001513	0.001662	16.67	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-35D	0.00304	0.0009399	0.006	No	12	0.00199	0.001338	8.333	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-36D	0.005	0.00049	0.006	No	12	0.002835	0.002269	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-37D	0.001437	0.000643	0.006	No	9	0.001971	0.001764	22.22	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-38D	0.006358	0.001386	0.006	No	10	0.00402	0.003879	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	BGWC-39	0.005	0.00061	0.006	No	10	0.003938	0.001868	70	None	No	0.011	NP (NDs)
Cobalt (mg/L)	BGWC-40	0.0005786	0.000448	0.006	No	9	0.0005133	0.00006764	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-41D	0.005	0.0004	0.006	No	7	0.001827	0.002171	28.57	None	No	0.008	NP (normality)
Cobalt (mg/L)	BGWC-43D	0.00558	0.00207	0.006	No	8	0.003825	0.001656	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-49D	0.001061	0.0006231	0.006	No	5	0.000842	0.0001307	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-50D	0.001709	0.0003195	0.006	No	5	0.001014	0.0004145	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-52	0.00495	0.0009244	0.006	No	7	0.002937	0.001695	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-7	0.00091	0.00068	0.006	No	23	0.002355	0.003588	17.39	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-8	0.005	0.0012	0.006	No	23	0.004204	0.001785	82.61	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-9	0.005	0.0006	0.006	No	22	0.00437	0.001624	86.36	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	BGWA-6	0.7492	0.3605	5	No	20	0.5549	0.3423	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-10	1.513	1.011	5	No	23	1.262	0.4805	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-12	0.7372	0.3589	5	No	23	0.548	0.3617	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-14A	1.318	0.6204	5	No	14	0.9691	0.4922	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-16	1.2	0.7277	5	No	23	0.9637	0.4512	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-17	0.8416	0.4729	5	No	23	0.6573	0.3524	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-18	1.06	0.6051	5	No	23	0.8722	0.491	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-19	1.116	0.6797	5	No	23	0.8978	0.417	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-20	1.403	0.9015	5	No	23	1.152	0.4795	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-21	0.8231	0.4825	5	No	22	0.6528	0.3173	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-22	2.849	1.985	5	No	23	2.417	0.8258	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-23	1.836	1.109	5	No	23	1.472	0.6943	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-24	3.385	1.878	5	No	23	3.03	2.606	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-25	0.9278	0.5323	5	No	23	0.73	0.3781	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-30	2.11	1.174	5	No	22	1.642	0.8713	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-31	1.773	1.06	5	No	12	1.416	0.4543	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-32	2.094	1.229	5	No	12	1.661	0.5512	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-34D	2.849	1.763	5	No	12	2.306	0.6916	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-35D	3.024	1.971	5	No	12	2.498	0.6716	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-36D	2.262	1.281	5	No	12	1.771	0.6256	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-37D	3.194	2.211	5	No	9	2.702	0.509	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-38D	5.638	3.335	5	No	9	4.487	1.193	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-39	1.491	0.53	5	No	9	1.01	0.4977	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-40	0.9615	0.352	5	No	9	0.6568	0.3157	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-41D	1.8	0.7978	5	No	7	1.299	0.422	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-42D	1.137	0.3852	5	No	7	0.7417	0.3463	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-43D	2.031	1.012	5	No	6	1.522	0.371	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-44D	1.387	0.5212	5	No	7	0.9543	0.3646	0	None	No	0.01	Param.

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Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	BGWC-49D	3.744	1.236	5	No	5	2.49	0.7484	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-50D	1.479	0.5164	5	No	5	0.9976	0.2872	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-51	0.7756	0.447	5	No	7	0.6113	0.1383	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-52	1.559	0.2766	5	No	7	0.918	0.54	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-7	1.661	1.227	5	No	23	1.444	0.4149	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-8	0.7961	0.408	5	No	23	0.602	0.371	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-9	0.9806	0.4849	5	No	22	0.7827	0.5275	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BGWA-6	0.1	0.06	4	No	21	0.08514	0.02695	61.9	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-10	0.108	0.05591	4	No	24	0.1078	0.06778	37.5	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-12	0.12	0.08	4	No	24	0.1032	0.06057	41.67	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-14A	0.1	0.061	4	No	14	0.08564	0.01915	57.14	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-16	0.1444	0.06181	4	No	24	0.1332	0.1102	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-17	0.19	0.11	4	No	24	0.1874	0.1363	4.167	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-18	0.14	0.06	4	No	24	0.1233	0.09708	33.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-19	0.11	0.071	4	No	24	0.1155	0.1092	33.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-20	0.1	0.062	4	No	24	0.1167	0.13	45.83	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-21	0.1	0.066	4	No	23	0.08513	0.02567	56.52	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-22	0.34	0.23	4	No	27	0.37	0.2768	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-23	0.1	0.068	4	No	26	0.1625	0.2063	19.23	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-24	1.2	0.064	4	No	27	0.7602	1.062	7.407	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-25	0.08958	0.0544	4	No	24	0.09038	0.03108	45.83	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-30	0.32	0.09	4	No	26	0.2036	0.1979	19.23	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-32	0.65	0.13	4	No	14	0.3191	0.3472	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-34D	0.1	0.053	4	No	12	0.08733	0.02357	75	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-35D	0.26	0.13	4	No	12	0.2442	0.2143	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-36D	0.26	0.11	4	No	12	0.1642	0.09587	8.333	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-37D	0.4241	0.1537	4	No	9	0.2889	0.14	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-38D	0.6309	0.3011	4	No	10	0.466	0.1848	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-39	0.1398	0.065	4	No	10	0.1024	0.04192	10	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-40	0.09728	0.06132	4	No	10	0.0872	0.02167	30	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-41D	0.1051	0.06444	4	No	8	0.08475	0.01916	12.5	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-42D	0.6793	0.4341	4	No	9	0.5567	0.127	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-43D	1.085	0.8349	4	No	10	0.96	0.1402	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-44D	0.28	0.088	4	No	8	0.1298	0.06455	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	BGWC-49D	0.1002	0.05114	4	No	5	0.0854	0.01839	40	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-50D	0.1578	0.04901	4	No	5	0.1076	0.03389	20	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-51	0.1685	0.0861	4	No	7	0.1273	0.03467	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-52	0.1391	0.07971	4	No	7	0.1094	0.02502	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-7	0.1789	0.125	4	No	24	0.152	0.05276	4.167	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-8	0.1	0.063	4	No	24	0.07963	0.0295	58.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-9	0.1986	0.1004	4	No	23	0.1778	0.1423	0	None	ln(x)	0.01	Param.
Lead (mg/L)	BGWA-6	0.001	0.00016	0.015	No	19	0.0008079	0.0003826	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-10	0.001	0.00019	0.015	No	21	0.0009205	0.0002513	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-12	0.001	0.00013	0.015	No	21	0.0006975	0.0004102	61.9	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-14A	0.001	0.000073	0.015	No	14	0.0007358	0.0004337	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-16	0.001	0.00014	0.015	No	21	0.0006824	0.0004178	61.9	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-17	0.001	0.000079	0.015	No	21	0.0009561	0.000201	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-18	0.001	0.0001	0.015	No	21	0.0007034	0.0004304	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-19	0.001	0.0006	0.015	No	21	0.0009351	0.0002233	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-20	0.001	0.0001	0.015	No	21	0.0009135	0.0002733	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-21	0.001	0.000073	0.015	No	20	0.0006743	0.0004556	65	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-22	0.001	0.00033	0.015	No	21	0.000795	0.0003791	76.19	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-23	0.001	0.00031	0.015	No	21	0.0009262	0.0002347	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-24	0.001	0.00059	0.015	No	22	0.0007695	0.0003993	72.73	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-25	0.001	0.0002	0.015	No	21	0.0007155	0.0003931	61.9	None	No	0.01	NP (NDs)

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Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	BGWC-30	0.001	0.00016	0.015	No	21	0.000609	0.0004243	52.38	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-31	0.0007551	0.0002285	0.015	No	11	0.000706	0.0003806	36.36	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-32	0.001	0.00011	0.015	No	11	0.0008347	0.0003678	81.82	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-34D	0.001	0.001	0.015	No	11	0.000914	0.0002852	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-35D	0.001	0.00011	0.015	No	11	0.0005645	0.0004239	45.45	None	No	0.006	NP (normality)
Lead (mg/L)	BGWC-36D	0.001	0.00014	0.015	No	11	0.0006291	0.0003892	45.45	None	No	0.006	NP (normality)
Lead (mg/L)	BGWC-37D	0.001	0.000073	0.015	No	9	0.0006172	0.0004582	55.56	None	No	0.002	NP (NDs)
Lead (mg/L)	BGWC-38D	0.001	0.00016	0.015	No	9	0.0007367	0.0003957	66.67	None	No	0.002	NP (NDs)
Lead (mg/L)	BGWC-39	0.001	0.0001	0.015	No	9	0.0009	0.0003	88.89	None	No	0.002	NP (NDs)
Lead (mg/L)	BGWC-40	0.001	0.00014	0.015	No	9	0.0005411	0.0004363	44.44	None	No	0.002	NP (normality)
Lead (mg/L)	BGWC-41D	0.001	0.000036	0.015	No	7	0.0008623	0.0003644	85.71	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-42D	0.001	0.000041	0.015	No	7	0.0007264	0.0004672	71.43	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-43D	0.001	0.00012	0.015	No	7	0.0008743	0.0003326	85.71	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-44D	0.001	0.00017	0.015	No	7	0.0008814	0.0003137	85.71	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-49D	0.001	0.000044	0.015	No	5	0.0008088	0.0004275	80	None	No	0.031	NP (NDs)
Lead (mg/L)	BGWC-50D	0.001	0.00014	0.015	No	5	0.000828	0.0003846	80	None	No	0.031	NP (NDs)
Lead (mg/L)	BGWC-51	0.001	0.00015	0.015	No	7	0.0006471	0.0004406	57.14	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-52	0.001	0.000054	0.015	No	7	0.0006091	0.0004878	57.14	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-8	0.001	0.0003	0.015	No	21	0.0008424	0.0003347	80.95	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-9	0.001	0.000092	0.015	No	20	0.0006134	0.000448	55	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWA-6	0.03	0.00082	0.04	No	20	0.02854	0.006525	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-10	0.03	0.00093	0.04	No	23	0.01019	0.01345	30.43	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-12	0.03	0.0011	0.04	No	23	0.01492	0.01476	47.83	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-14A	0.03	0.00087	0.04	No	14	0.01545	0.01509	50	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-16	0.03	0.00049	0.04	No	23	0.02872	0.006153	95.65	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-17	0.03	0.00069	0.04	No	23	0.02873	0.006112	95.65	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-20	0.02891	0.01895	0.04	No	23	0.02458	0.01063	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-22	0.02858	0.01833	0.04	No	23	0.02345	0.0098	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-23	0.02596	0.01465	0.04	No	23	0.0203	0.0108	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-24	0.0082	0.006	0.04	No	24	0.007767	0.002991	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-30	0.0171	0.0014	0.04	No	23	0.008563	0.007819	4.348	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-34D	0.03	0.00098	0.04	No	12	0.02514	0.01135	83.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-35D	0.01734	0.01016	0.04	No	12	0.01375	0.004578	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-36D	0.0044	0.0011	0.04	No	12	0.003083	0.003866	8.333	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-37D	0.02665	0.001905	0.04	No	8	0.01349	0.01444	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-38D	0.01631	0.004666	0.04	No	9	0.01049	0.006031	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-39	0.005259	0.003037	0.04	No	9	0.004144	0.001217	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-40	0.03	0.00079	0.04	No	8	0.01544	0.01557	50	None	No	0.004	NP (normality)
Lithium (mg/L)	BGWC-41D	0.002305	0.001243	0.04	No	7	0.001774	0.0004472	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-42D	0.03	0.0012	0.04	No	6	0.01107	0.01467	33.33	None	No	0.0155	NP (normality)
Lithium (mg/L)	BGWC-43D	0.03001	0.01913	0.04	No	7	0.02457	0.004577	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-44D	0.004115	0.002171	0.04	No	7	0.003143	0.0008182	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-49D	0.01095	0.003371	0.04	No	5	0.00716	0.002261	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-50D	0.03	0.0019	0.04	No	5	0.02438	0.01257	80	None	No	0.031	NP (NDs)
Lithium (mg/L)	BGWC-51	0.03	0.0011	0.04	No	7	0.01397	0.01501	42.86	None	No	0.008	NP (normality)
Lithium (mg/L)	BGWC-52	0.0038	0.00088	0.04	No	7	0.002654	0.001299	0	None	No	0.008	NP (normality)
Lithium (mg/L)	BGWC-7	0.009394	0.007621	0.04	No	23	0.008565	0.001812	4.348	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-8	0.03	0.001	0.04	No	23	0.02874	0.006047	95.65	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-9	0.03	0.0013	0.04	No	22	0.01051	0.01363	31.82	None	No	0.01	NP (normality)
Mercury (mg/L)	BGWA-6	0.0002	0.000084	0.002	No	19	0.0001939	0.00002661	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-10	0.0002	0.00018	0.002	No	21	0.000187	0.00003872	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-12	0.0002	0.00013	0.002	No	21	0.0001851	0.00003901	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-14A	0.0002	0.00016	0.002	No	14	0.0001971	0.00001069	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-16	0.0002	0.00015	0.002	No	21	0.0001928	0.00002429	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-17	0.0002269	0.0001437	0.002	No	21	0.0002095	0.00006704	19.05	Kaplan-Meier	No	0.01	Param.

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Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	BGWC-18	0.0002	0.000079	0.002	No	21	0.0001942	0.0000264	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-19	0.0002	0.00018	0.002	No	21	0.0001862	0.0000408	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-20	0.0002	0.000066	0.002	No	21	0.0001936	0.00002924	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-21	0.00021	0.0002	0.002	No	20	0.0002005	0.000002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-22	0.0002	0.000092	0.002	No	21	0.0001873	0.00004078	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-23	0.0002	0.00005	0.002	No	21	0.0001854	0.00004603	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-24	0.0009046	0.0001292	0.002	No	22	0.001005	0.001449	18.18	Kaplan-Meier	x^(1/3)	0.01	Param.
Mercury (mg/L)	BGWC-25	0.0002	0.00015	0.002	No	21	0.0001903	0.0000346	90.48	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-30	0.0002	0.00008	0.002	No	21	0.0001529	0.00006321	61.9	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-31	0.0002	0.00015	0.002	No	11	0.00019	0.00002236	81.82	Kaplan-Meier	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-34D	0.0002	0.00016	0.002	No	11	0.0001909	0.00002071	81.82	Kaplan-Meier	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-35D	0.0002	0.00016	0.002	No	11	0.0001909	0.00002071	81.82	Kaplan-Meier	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-36D	0.0002	0.0002	0.002	No	11	0.0001982	0.00000603	90.91	None	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-38D	0.00028	0.0001	0.002	No	9	0.0001889	0.00005207	66.67	None	No	0.002	NP (NDs)
Mercury (mg/L)	BGWC-44D	0.0002	0.00017	0.002	No	7	0.0001957	0.00001134	85.71	None	No	0.008	NP (NDs)
Mercury (mg/L)	BGWC-51	0.0046	0.0001	0.002	No	7	0.001694	0.001734	14.29	None	No	0.008	NP (selected)
Mercury (mg/L)	BGWC-52	0.0002	0.00018	0.002	No	7	0.0001957	0.000007868	71.43	None	No	0.008	NP (NDs)
Mercury (mg/L)	BGWC-7	0.0002	0.000053	0.002	No	21	0.000193	0.00003208	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-8	0.0002	0.00016	0.002	No	21	0.0001932	0.0000237	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-9	0.0002	0.00016	0.002	No	20	0.0001885	0.000031	85	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWA-6	0.01	0.001	0.1	No	20	0.009063	0.002887	90	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-10	0.0036	0.0032	0.1	No	23	0.003526	0.0008291	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-14A	0.01	0.0012	0.1	No	14	0.003496	0.003625	21.43	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-19	0.01	0.00023	0.1	No	23	0.009575	0.002037	95.65	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-20	0.024	0.0127	0.1	No	23	0.01748	0.00666	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-21	0.002634	0.001646	0.1	No	22	0.0042	0.003352	22.73	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-22	0.0662	0.04	0.1	No	26	0.05164	0.01371	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-23	0.01262	0.01088	0.1	No	25	0.01163	0.001921	0	None	x^2	0.01	Param.
Molybdenum (mg/L)	BGWC-24	0.01	0.0024	0.1	No	26	0.006256	0.003986	50	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-25	0.01	0.0029	0.1	No	23	0.007542	0.003562	65.22	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-30	0.01214	0.005399	0.1	No	25	0.009736	0.007008	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-31	0.01	0.00033	0.1	No	12	0.009194	0.002791	91.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-32	0.003938	0.003201	0.1	No	13	0.003569	0.0004956	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-34D	0.0021	0.0009	0.1	No	12	0.001425	0.001173	8.333	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-35D	0.03637	0.02809	0.1	No	13	0.03223	0.00557	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-36D	0.01327	0.007733	0.1	No	13	0.0105	0.003722	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-37D	0.02067	0.009233	0.1	No	10	0.0154	0.009178	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-38D	0.1229	0.07105	0.1	No	11	0.097	0.03114	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-39	0.008128	0.003605	0.1	No	9	0.005867	0.002343	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-40	0.01	0.00069	0.1	No	9	0.007032	0.004455	66.67	None	No	0.002	NP (NDs)
Molybdenum (mg/L)	BGWC-41D	0.0134	0.006828	0.1	No	8	0.01011	0.003099	12.5	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-42D	0.01794	0.004527	0.1	No	9	0.01123	0.006946	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2083	0.1337	0.1	Yes	10	0.171	0.04175	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-44D	0.009976	0.001824	0.1	No	8	0.0059	0.003846	12.5	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-49D	0.007758	0.004642	0.1	No	5	0.0062	0.0009301	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-50D	0.006827	0.0008528	0.1	No	5	0.00384	0.001783	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-51	0.01	0.0027	0.1	No	7	0.008957	0.002759	85.71	None	No	0.008	NP (NDs)
Molybdenum (mg/L)	BGWC-52	0.0087	0.0035	0.1	No	7	0.004729	0.001845	0	None	No	0.008	NP (normality)
Molybdenum (mg/L)	BGWC-7	0.0117	0.0096	0.1	No	23	0.01035	0.002502	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-8	0.002333	0.001124	0.1	No	23	0.004152	0.003764	26.09	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-9	0.003284	0.002661	0.1	No	22	0.002973	0.00058	0	None	No	0.01	Param.
Selenium (mg/L)	BGWA-6	0.005	0.0032	0.05	No	19	0.004658	0.001131	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-12	0.005	0.0004	0.05	No	21	0.004781	0.001004	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-14A	0.005	0.0014	0.05	No	14	0.004743	0.0009621	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-16	0.005	0.0018	0.05	No	21	0.003662	0.001648	57.14	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	BGWC-17	0.005	0.0022	0.05	No	21	0.00427	0.001571	80.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-18	0.005	0.0022	0.05	No	21	0.004676	0.00104	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-19	0.005	0.0013	0.05	No	21	0.004396	0.001524	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-20	0.005	0.0037	0.05	No	21	0.004938	0.0002837	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-21	0.005	0.001	0.05	No	20	0.004556	0.001374	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-22	0.012	0.0026	0.05	No	21	0.004905	0.001954	80.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-23	0.0176	0.002	0.05	No	21	0.00531	0.002961	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-24	0.009666	0.003907	0.05	No	22	0.008836	0.008694	13.64	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-30	0.009735	0.005951	0.05	No	21	0.007843	0.003429	9.524	None	No	0.01	Param.
Selenium (mg/L)	BGWC-31	0.005	0.005	0.05	No	11	0.004553	0.001483	90.91	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-32	0.005	0.005	0.05	No	11	0.004559	0.001462	90.91	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-34D	0.005	0.005	0.05	No	11	0.004555	0.001477	90.91	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-36D	0.01185	0.006025	0.05	No	11	0.008936	0.003493	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-38D	0.005	0.003	0.05	No	9	0.004778	0.0006667	77.78	None	No	0.002	NP (NDs)
Selenium (mg/L)	BGWC-39	0.005	0.002	0.05	No	9	0.004333	0.001323	77.78	None	No	0.002	NP (NDs)
Selenium (mg/L)	BGWC-40	0.00975	0.00485	0.05	No	9	0.007178	0.002958	0	None	x^2	0.01	Param.
Selenium (mg/L)	BGWC-41D	0.005	0.0016	0.05	No	7	0.003543	0.001817	57.14	None	No	0.008	NP (NDs)
Selenium (mg/L)	BGWC-42D	0.005	0.0022	0.05	No	7	0.004271	0.001253	71.43	None	No	0.008	NP (NDs)
Selenium (mg/L)	BGWC-43D	0.005	0.0028	0.05	No	7	0.004686	0.0008315	85.71	None	No	0.008	NP (NDs)
Selenium (mg/L)	BGWC-51	0.01441	0.003765	0.05	No	7	0.009086	0.004479	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-52	0.005	0.0016	0.05	No	7	0.004057	0.001611	71.43	None	No	0.008	NP (NDs)
Selenium (mg/L)	BGWC-8	0.005	0.00015	0.05	No	21	0.004533	0.001474	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-9	0.005	0.0014	0.05	No	20	0.003285	0.001973	55	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWA-6	0.001	0.000062	0.002	No	20	0.0005463	0.0004671	50	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-12	0.001	0.00009	0.002	No	23	0.0007992	0.0003896	78.26	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-14A	0.0004879	0.0002478	0.002	No	14	0.0003679	0.0001695	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-16	0.00024	0.0002	0.002	No	23	0.0002243	0.00003273	0	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-17	0.001	0.000085	0.002	No	23	0.0006113	0.000455	56.52	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-18	0.001	0.00019	0.002	No	23	0.000843	0.0003506	82.61	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-19	0.001	0.000085	0.002	No	23	0.000725	0.0004259	69.57	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-20	0.001	0.00025	0.002	No	23	0.0009326	0.0002234	91.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-22	0.0008169	0.0006265	0.002	No	23	0.0007217	0.000182	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-23	0.001	0.00038	0.002	No	23	0.000753	0.0003626	65.22	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-24	0.0005567	0.0004175	0.002	No	24	0.0004871	0.0001364	12.5	None	No	0.01	Param.
Thallium (mg/L)	BGWC-30	0.0004801	0.0002308	0.002	No	23	0.0006216	0.0003246	26.09	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	BGWC-32	0.001	0.00013	0.002	No	12	0.0004528	0.0004146	33.33	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-34D	0.001	0.000089	0.002	No	12	0.0009241	0.000263	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-35D	0.001	0.00016	0.002	No	12	0.0007257	0.0004076	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-36D	0.0003065	0.0001556	0.002	No	12	0.0002342	0.0001064	8.333	None	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-38D	0.0027	0.000056	0.002	No	9	0.0009284	0.0007701	55.56	None	No	0.002	NP (NDs)
Thallium (mg/L)	BGWC-39	0.001	0.00013	0.002	No	9	0.0004667	0.0004022	33.33	None	No	0.002	NP (normality)
Thallium (mg/L)	BGWC-40	0.001	0.00014	0.002	No	9	0.0009044	0.0002867	88.89	None	No	0.002	NP (NDs)
Thallium (mg/L)	BGWC-43D	0.003229	0.001228	0.002	No	7	0.002229	0.000842	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-51	0.001	0.0002	0.002	No	7	0.0008	0.0003464	71.43	None	No	0.008	NP (NDs)
Thallium (mg/L)	BGWC-52	0.0004096	0.0001965	0.002	No	7	0.0004986	0.0003535	28.57	Kaplan-Meier	ln(x)	0.01	Param.
Thallium (mg/L)	BGWC-7	0.001	0.00019	0.002	No	23	0.0006749	0.0004179	60.87	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-9	0.001	0.00022	0.002	No	22	0.0008475	0.0003321	81.82	Kaplan-Meier	No	0.01	NP (NDs)

Appendix IV Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:51 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	BGWC-22	0.004028	232	118	Yes	26	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-33 (bg)	-0.003419	-39	-38	Yes	12	0	n/a	n/a	0.01	NP

Appendix IV Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:51 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	BGWA-2 (bg)	0	53	98	No	23	52.17	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	27	98	No	23	60.87	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-33 (bg)	0.001043	20	34	No	11	18.18	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	14	48	No	14	71.43	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-48D (bg)	0.0005603	24	48	No	14	42.86	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWC-34D	0	-3	-48	No	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	14	105	No	24	87.5	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	98	No	23	100	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-33 (bg)	0	1	34	No	11	81.82	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	11	48	No	14	92.86	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	13	48	No	14	85.71	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWC-22	0.004028	232	118	Yes	26	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-2 (bg)	0	34	105	No	24	50	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	-2	-98	No	23	95.65	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-33 (bg)	-0.003419	-39	-38	Yes	12	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	13	48	No	14	92.86	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.001228	-33	-48	No	14	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWC-43D	0.005598	3	30	No	10	0	n/a	n/a	0.01	NP

Appendix III - Interwell Prediction Limits - Resample Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:26 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (s.u.)	BGWC-23	8.34	6.658	5/10/2023	6.74	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2

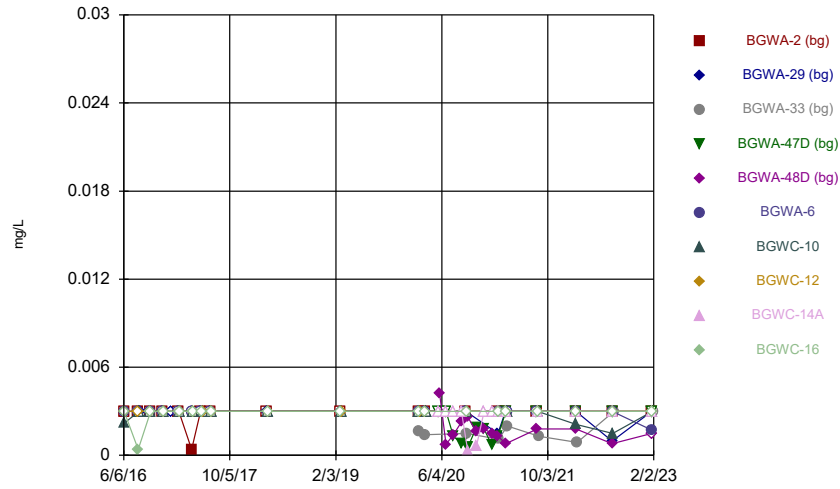
Confidence Intervals - Resample Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:30 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	BGWC-23	0.0032	0.0022	0.006	No	20	0.002722	0.001366	60	None	No	0.01	NP (NDs)

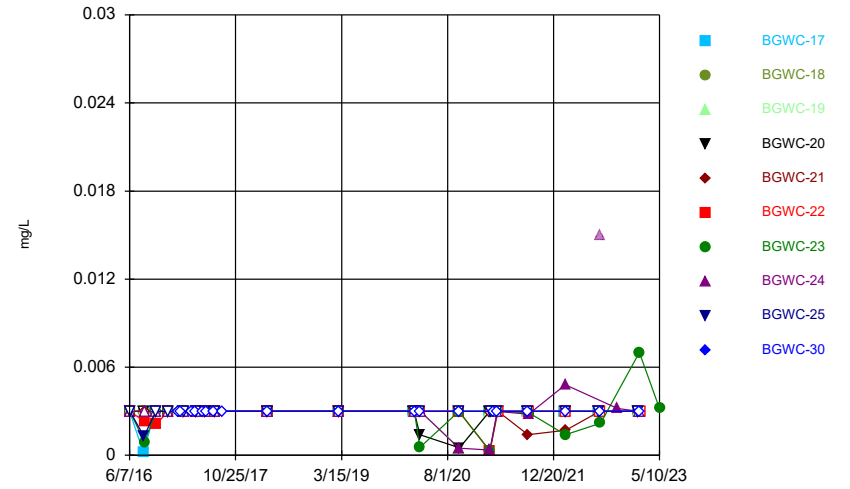
FIGURE A.

Time Series



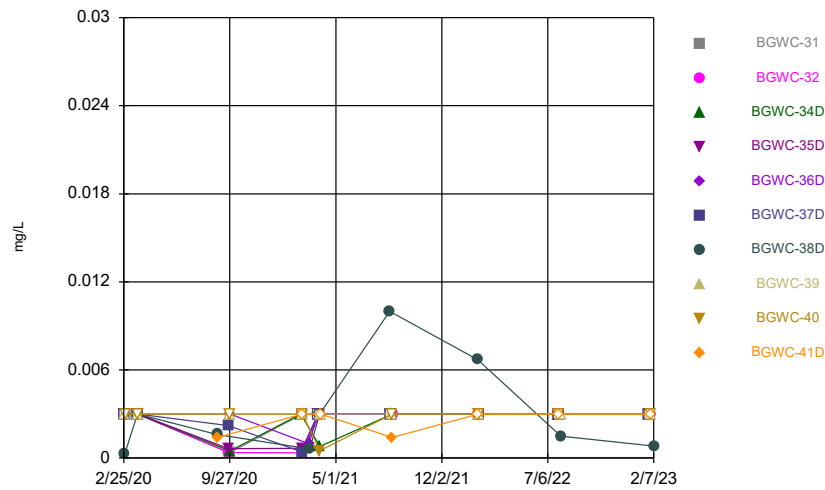
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



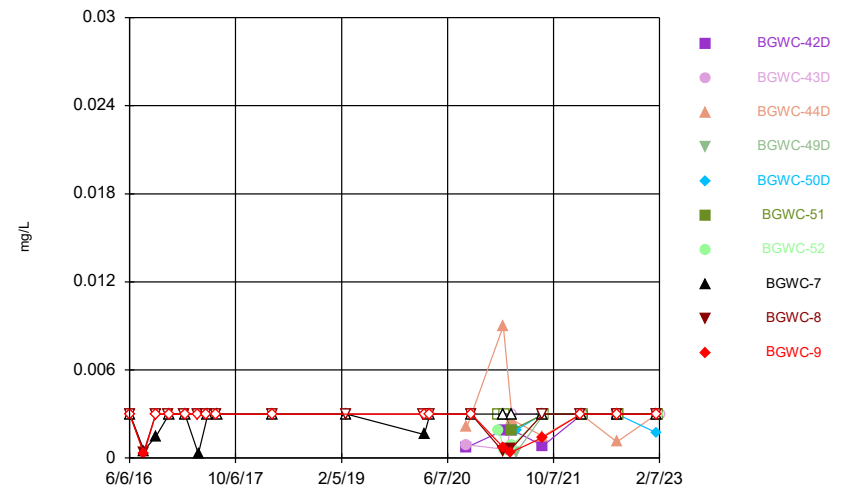
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Time Series



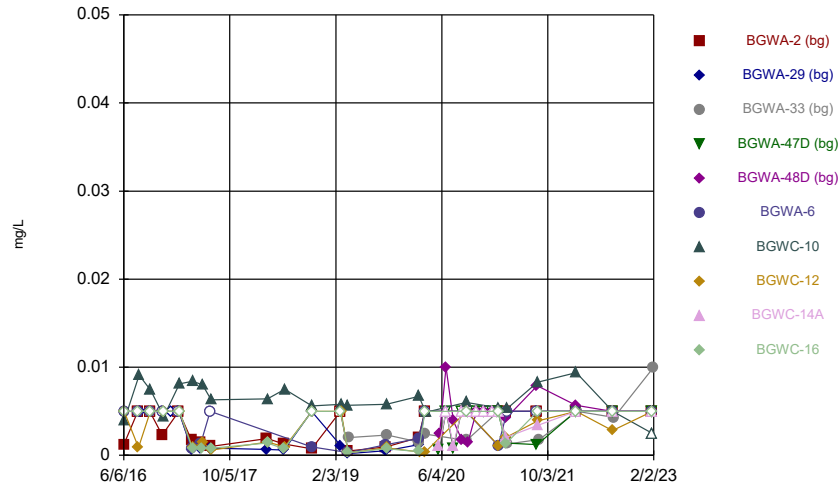
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Time Series



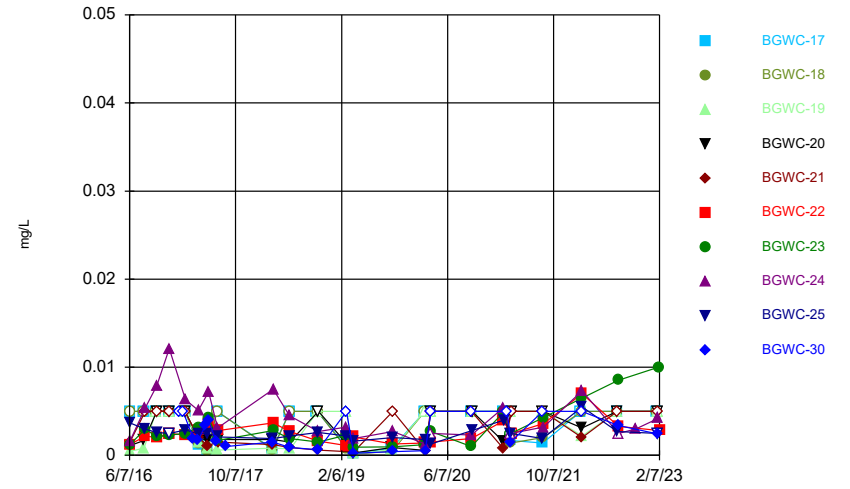
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



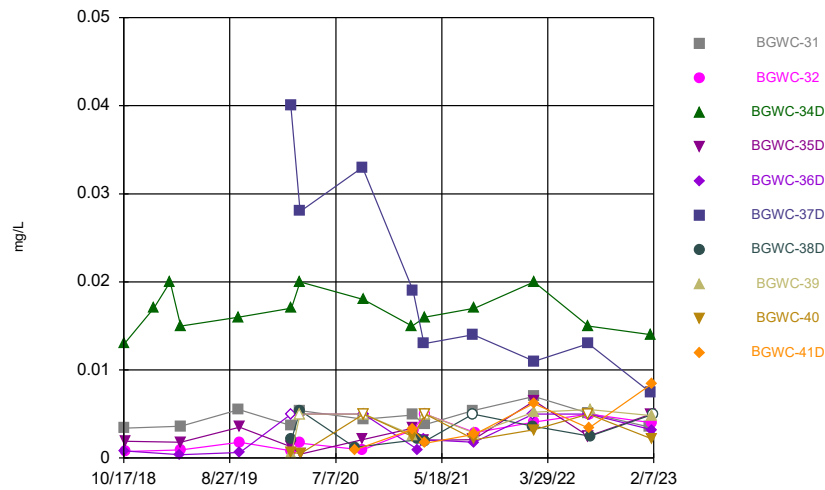
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



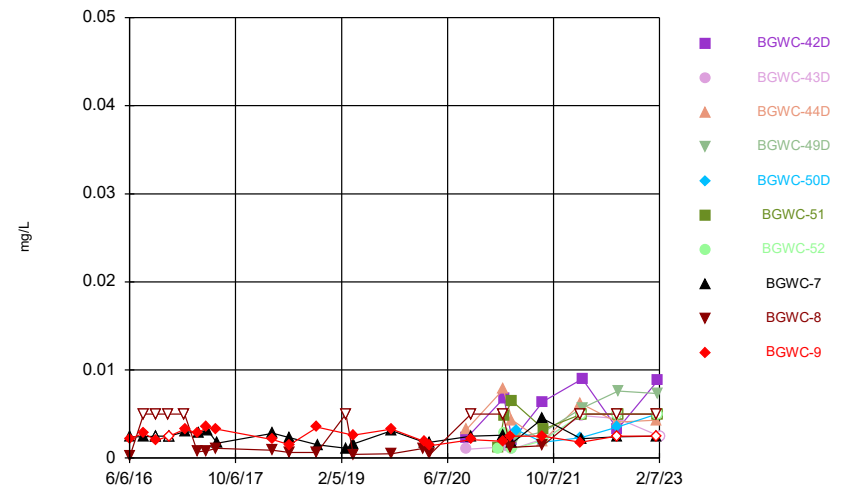
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



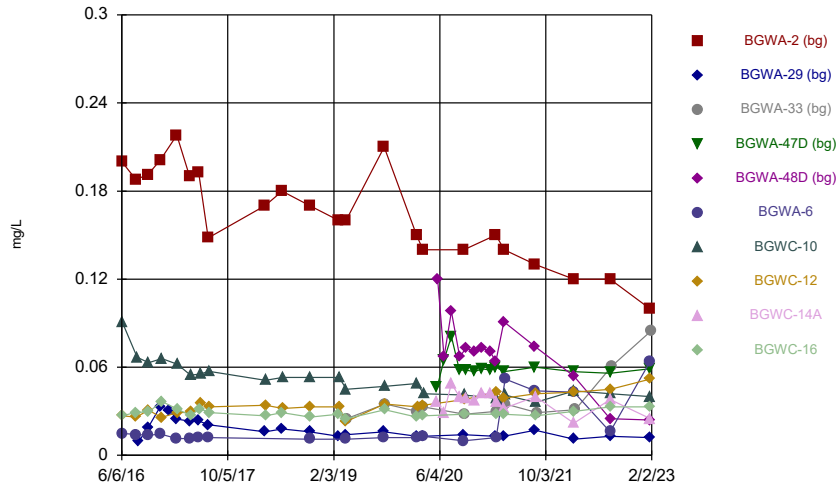
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



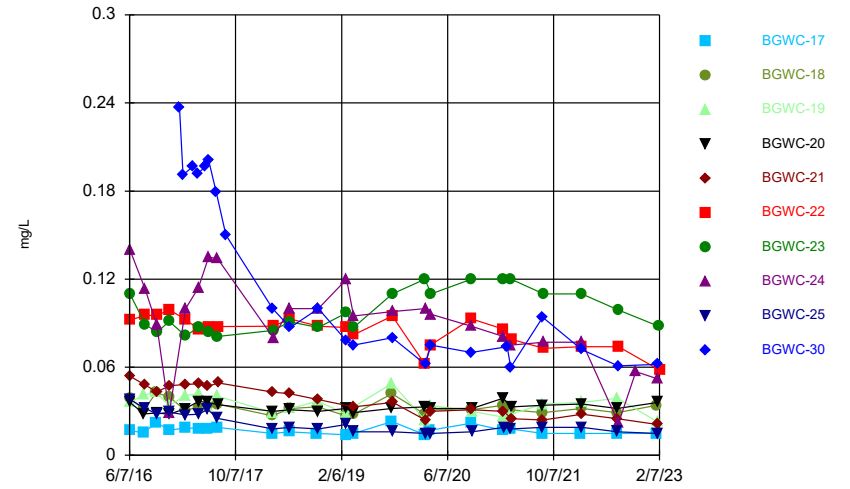
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



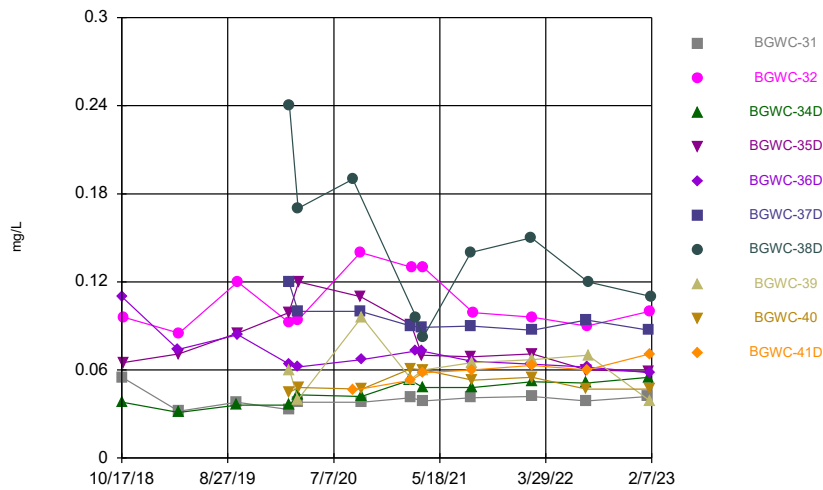
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



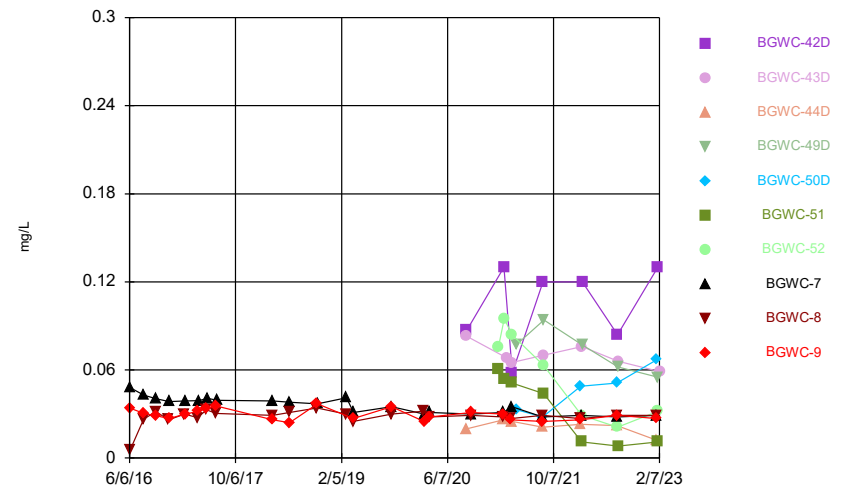
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



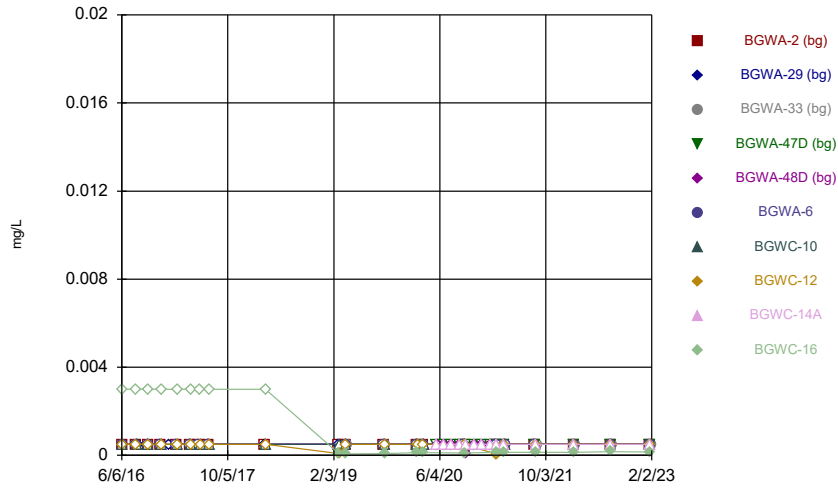
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



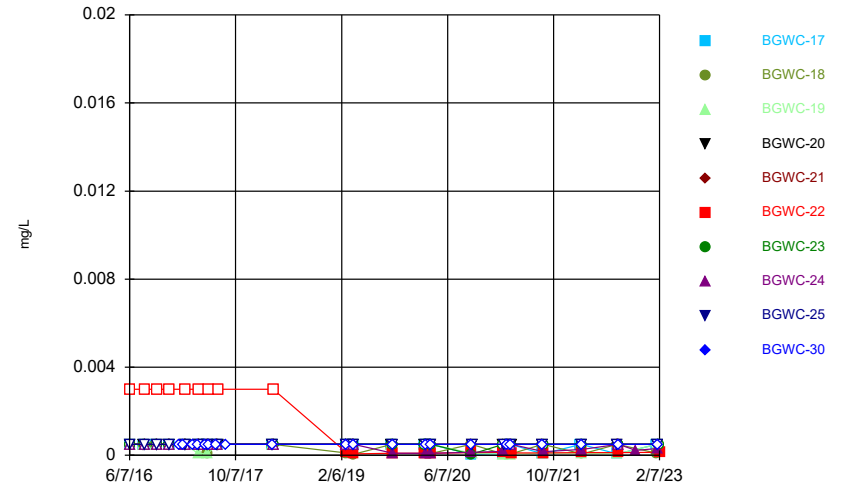
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



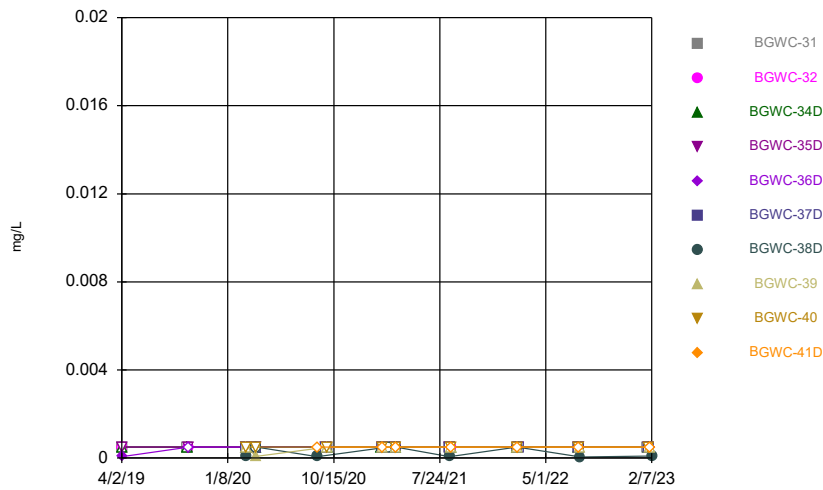
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



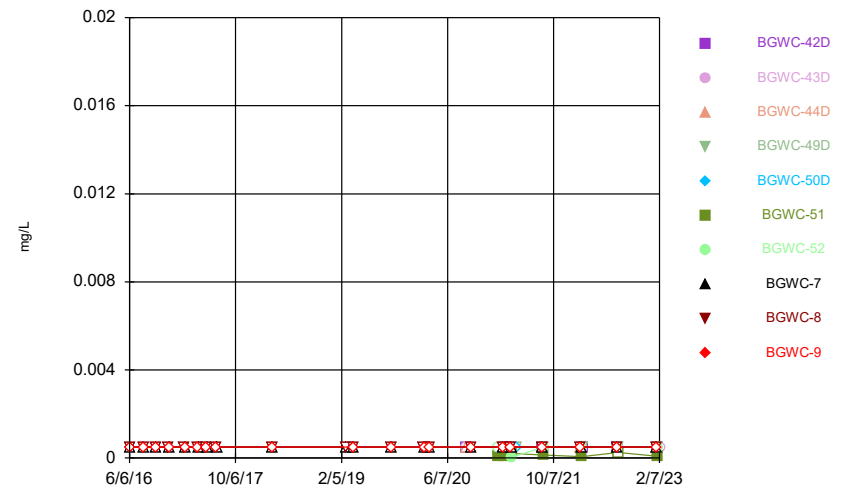
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



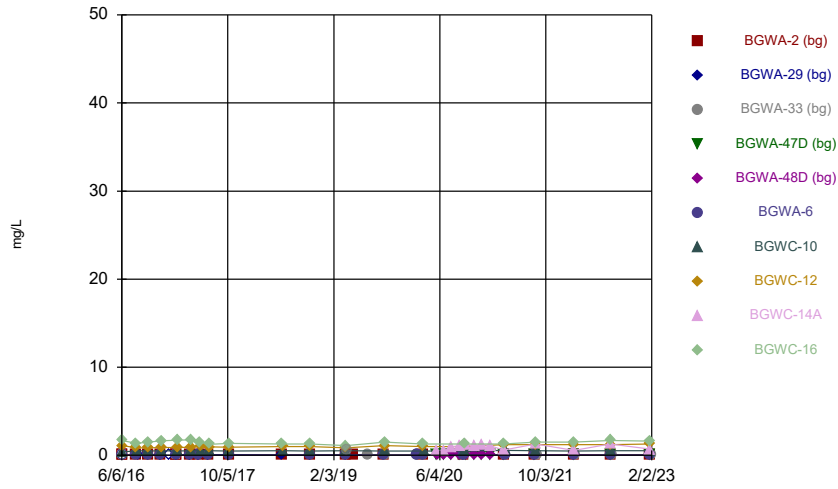
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



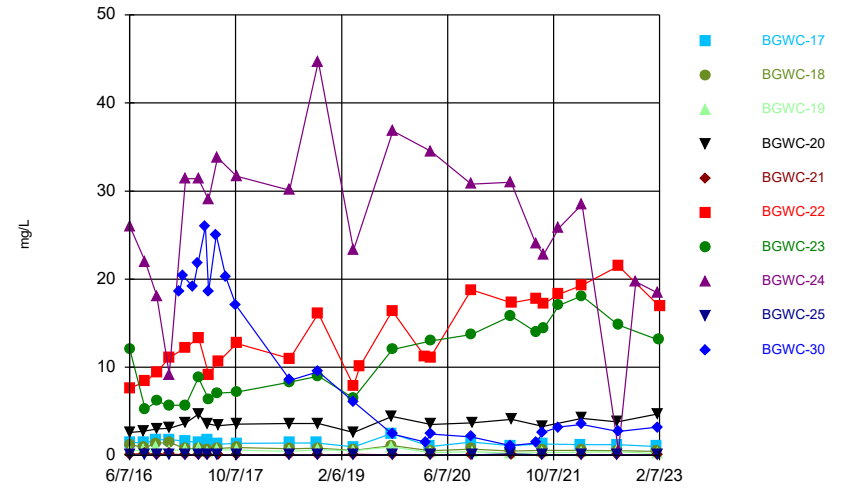
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



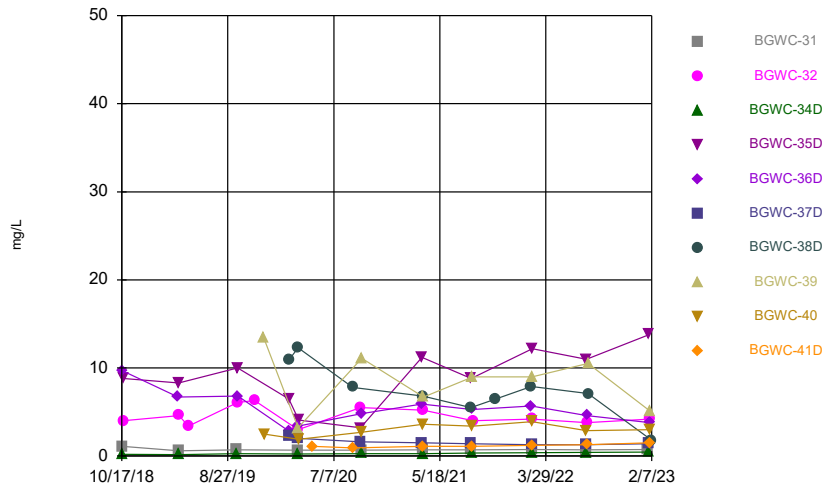
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



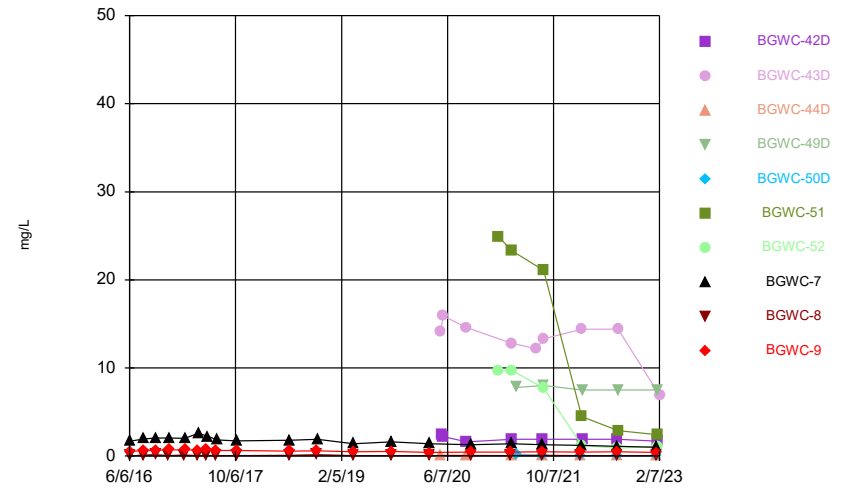
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Time Series



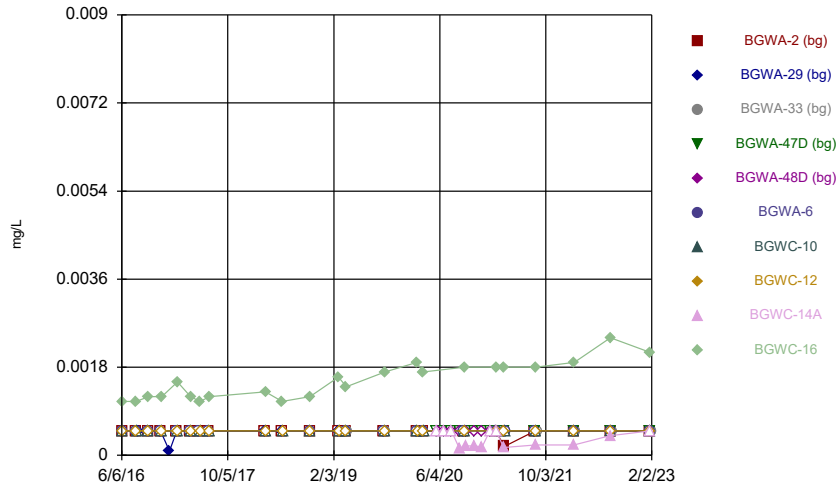
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



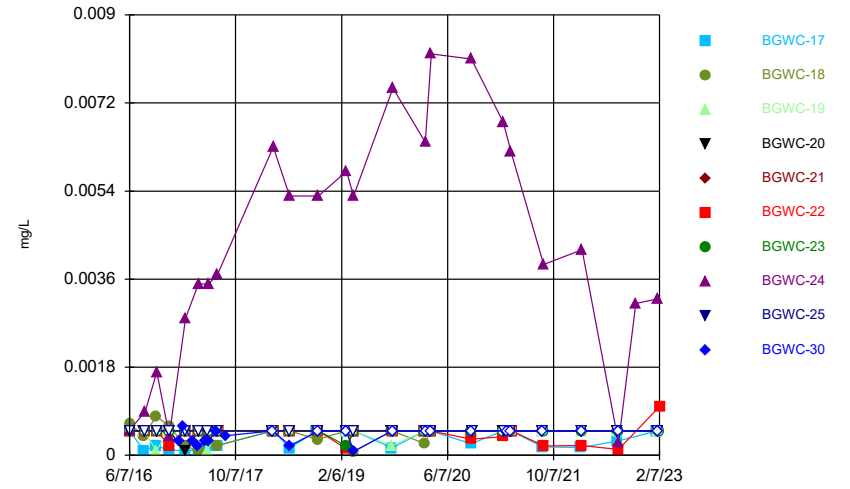
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



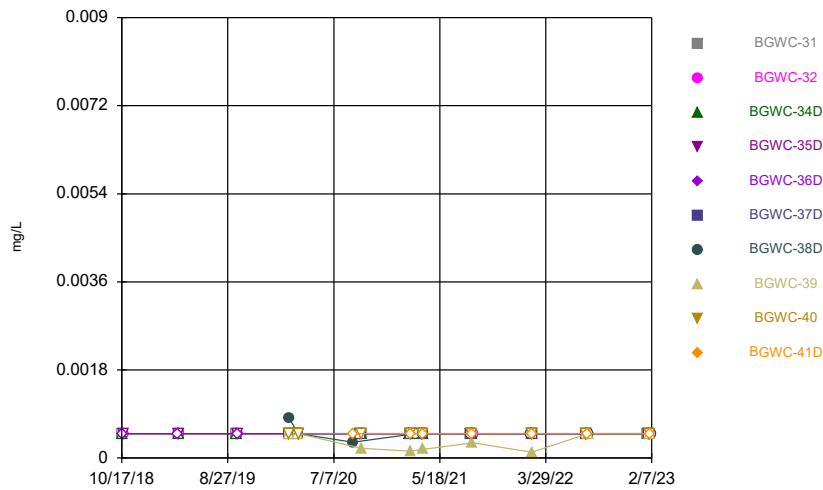
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



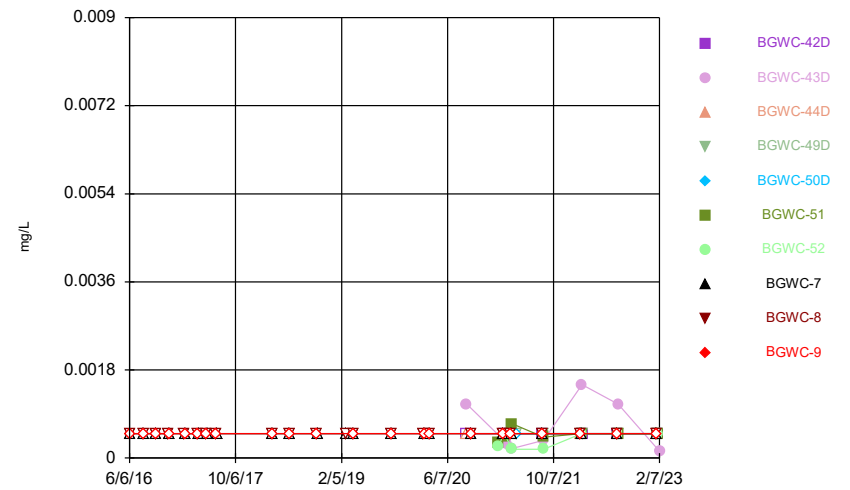
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



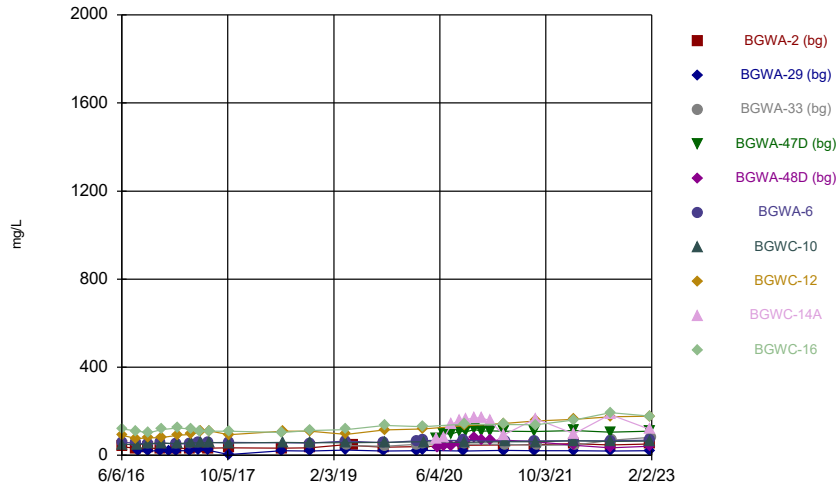
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



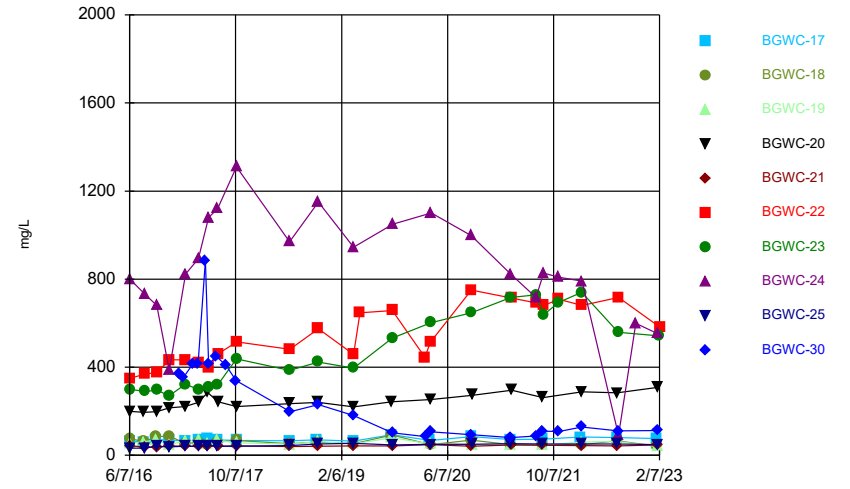
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



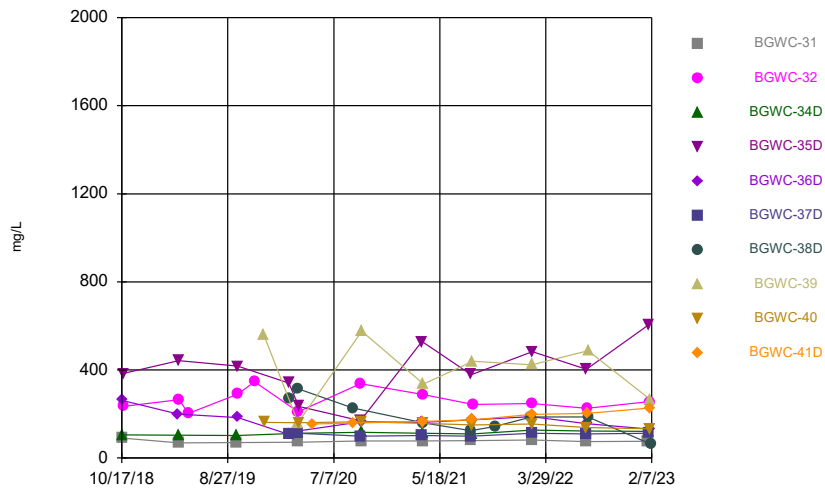
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



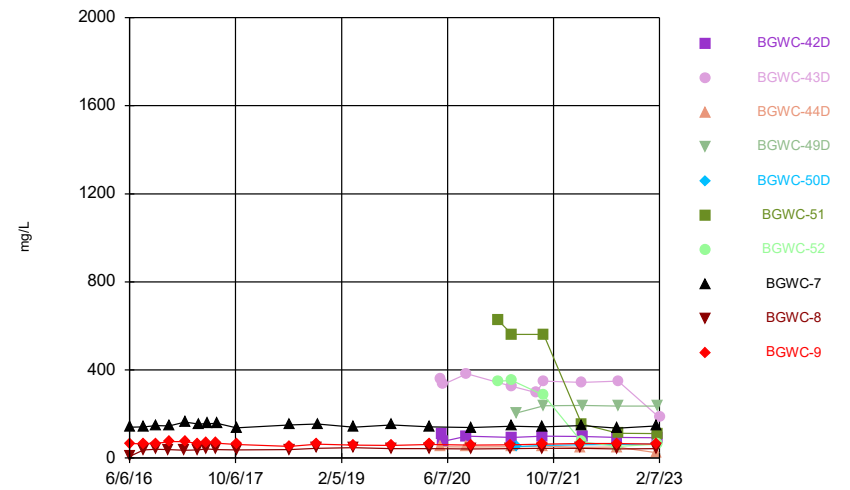
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



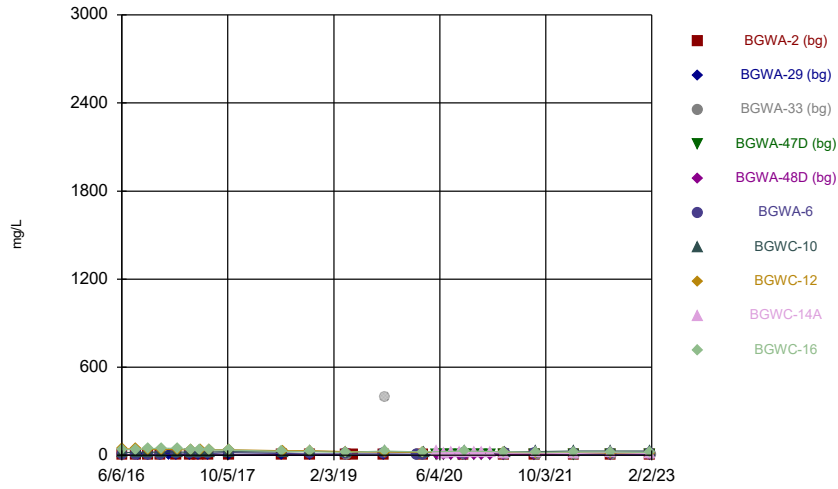
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



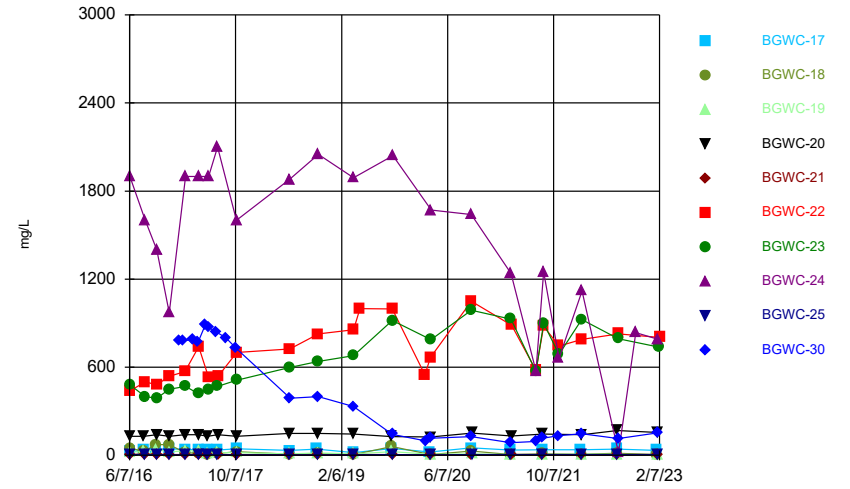
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



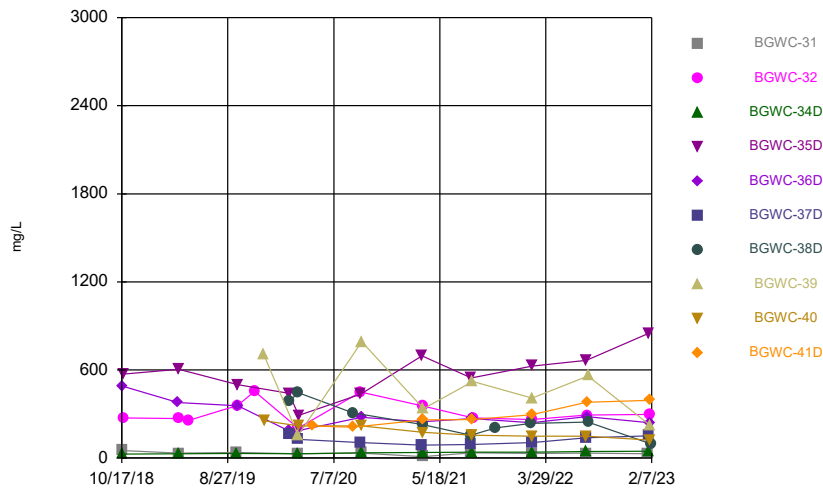
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



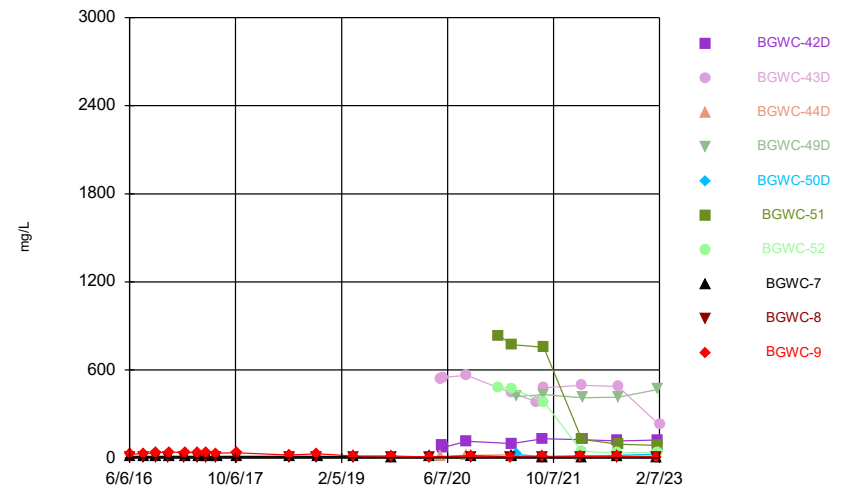
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



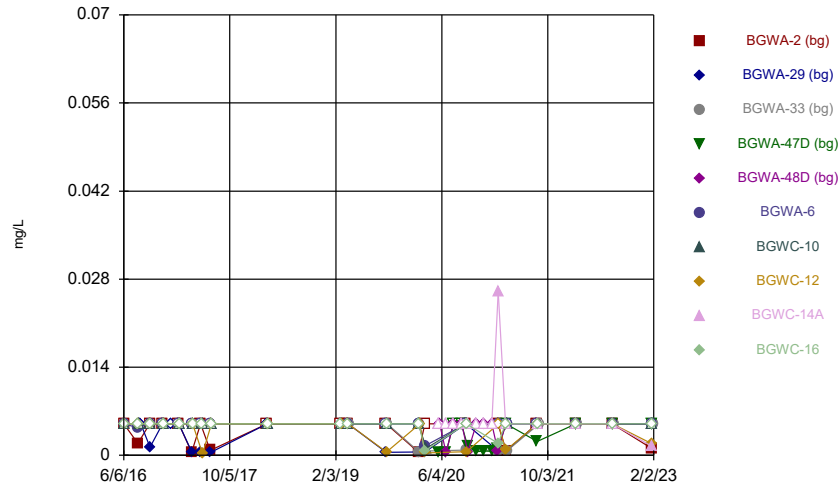
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Time Series



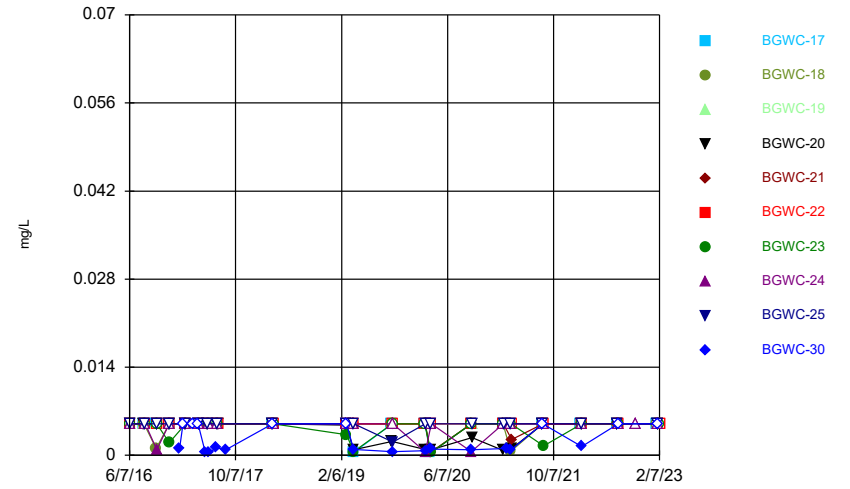
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



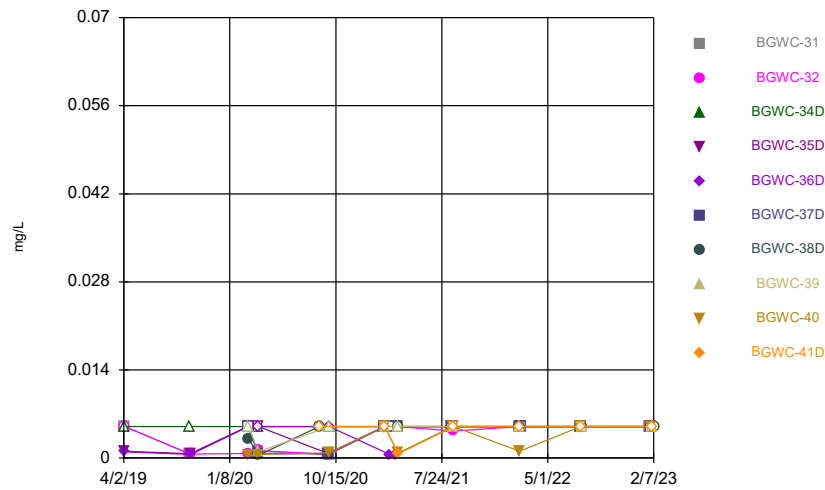
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



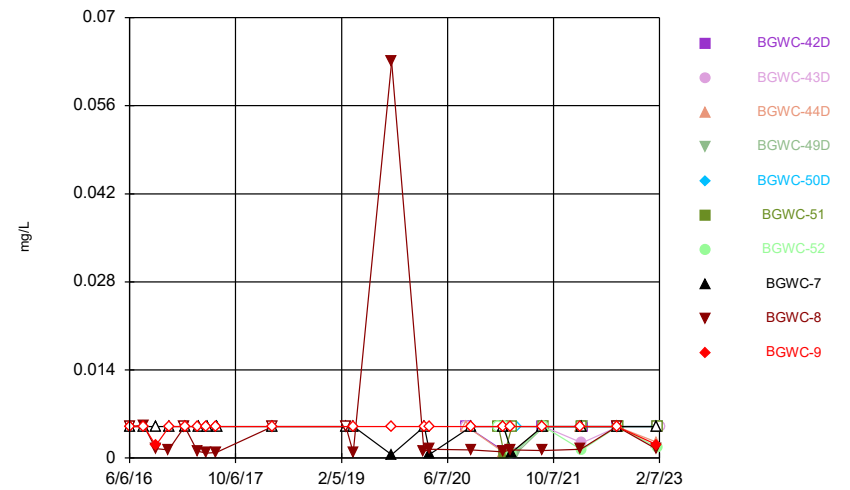
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



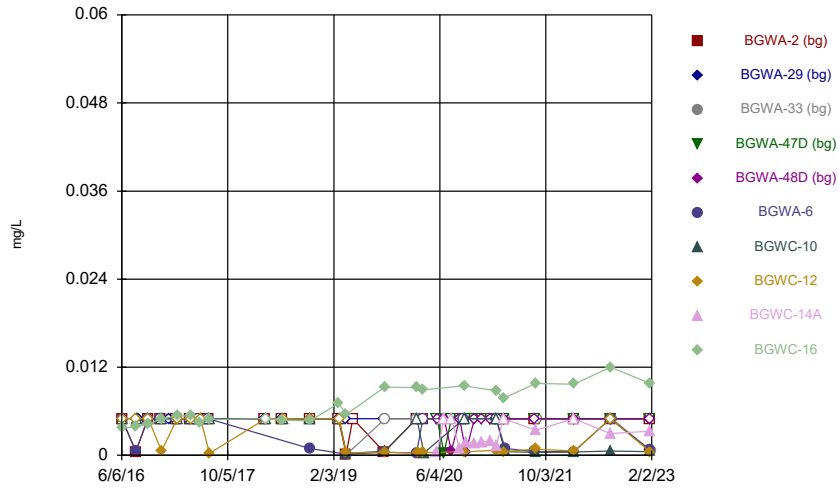
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



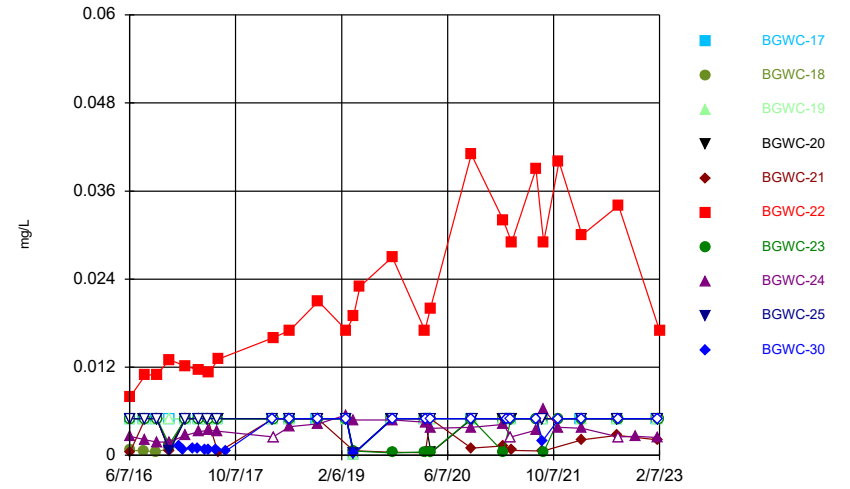
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



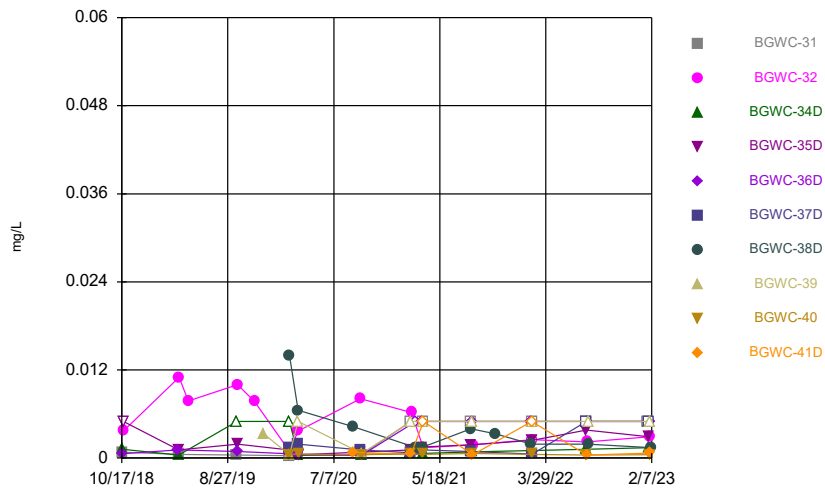
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



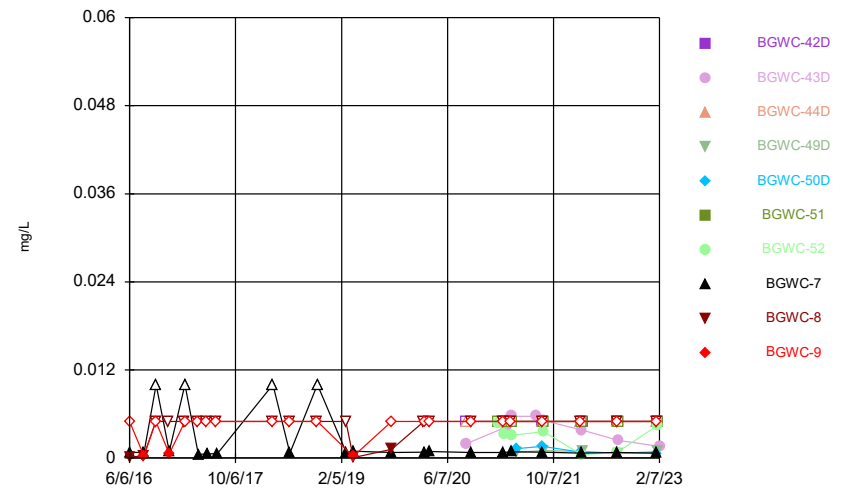
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



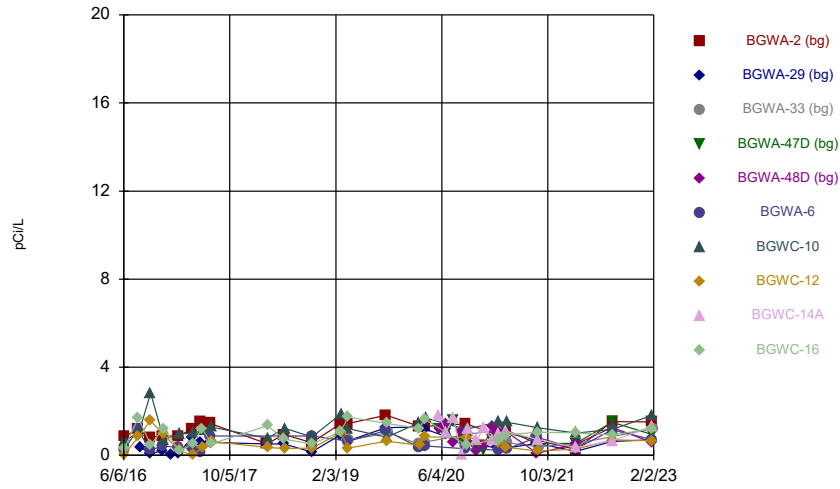
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



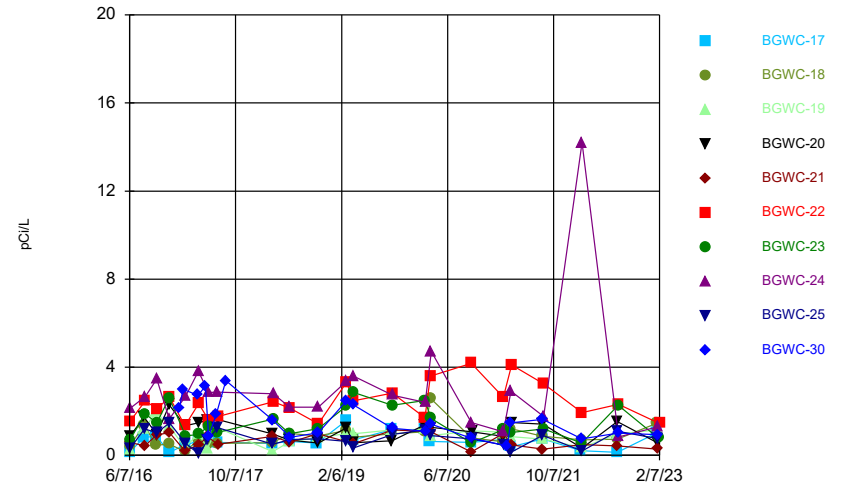
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



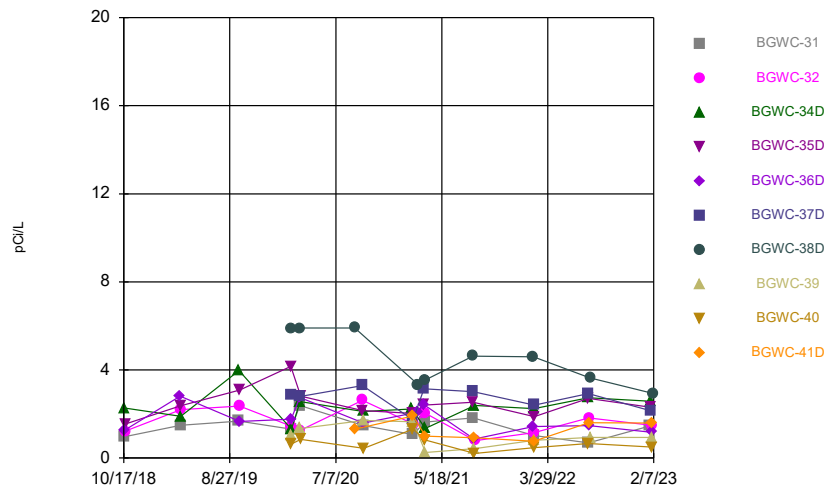
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:46 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



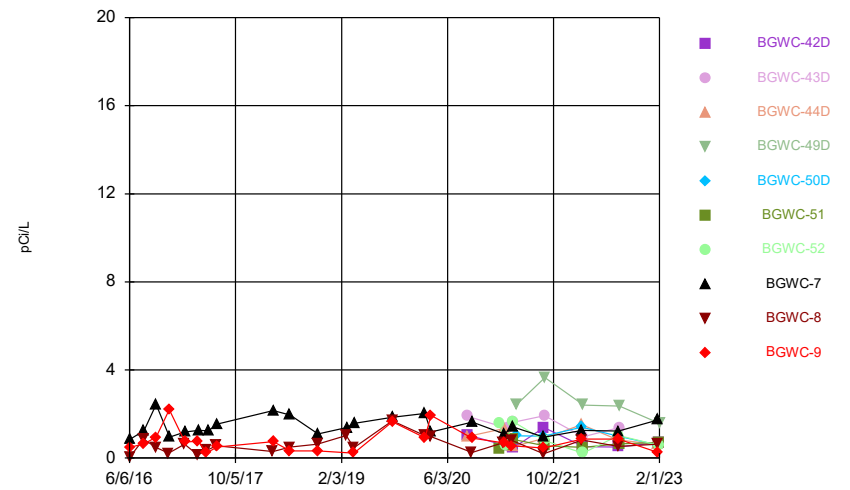
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



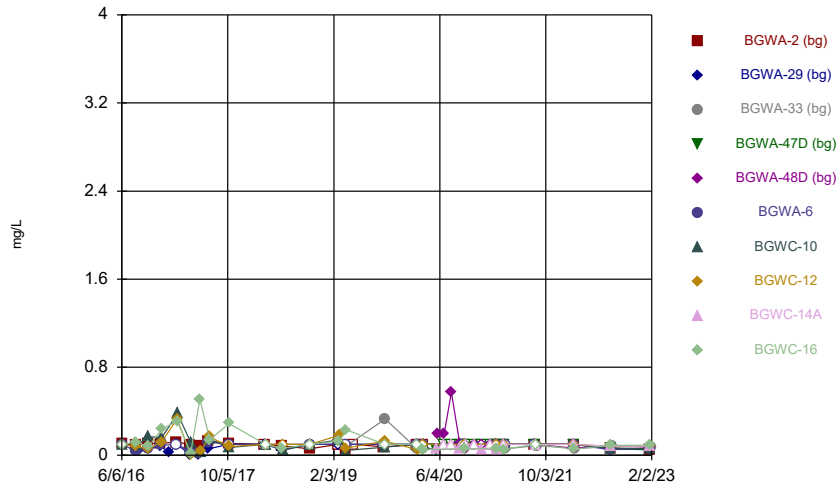
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



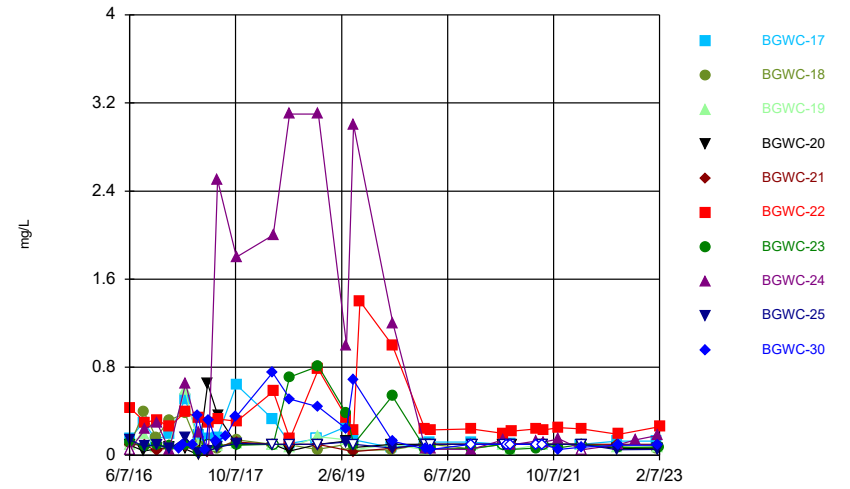
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



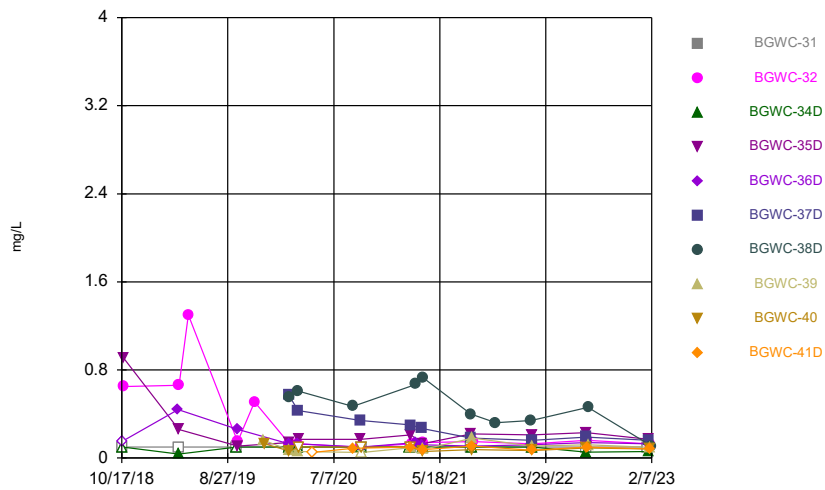
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



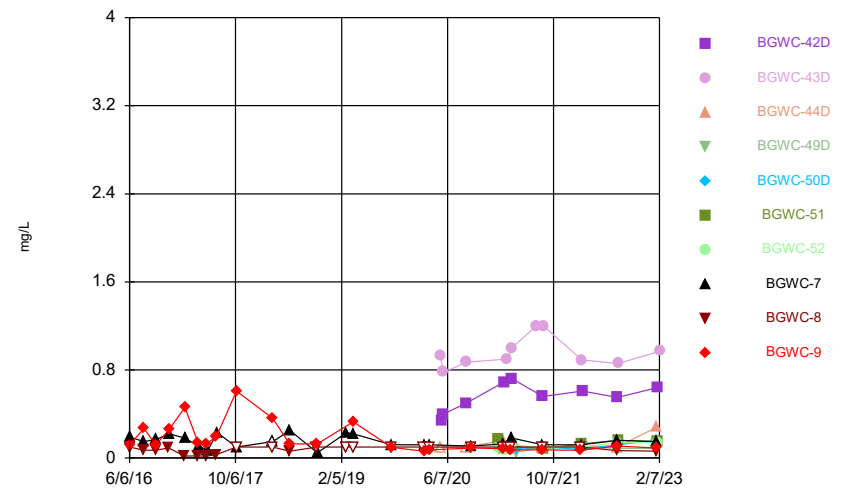
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Time Series



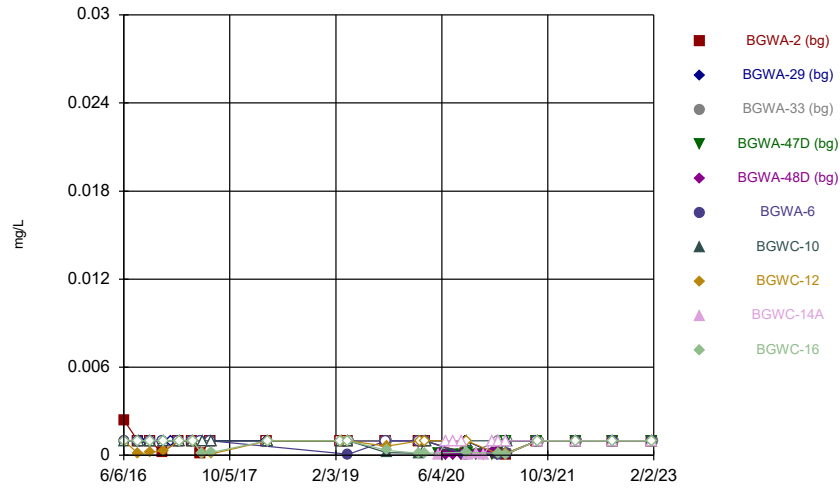
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Time Series



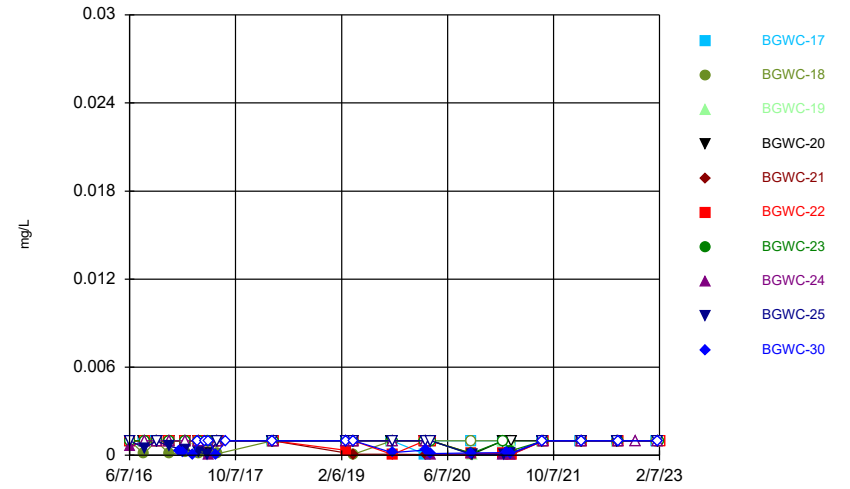
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Time Series



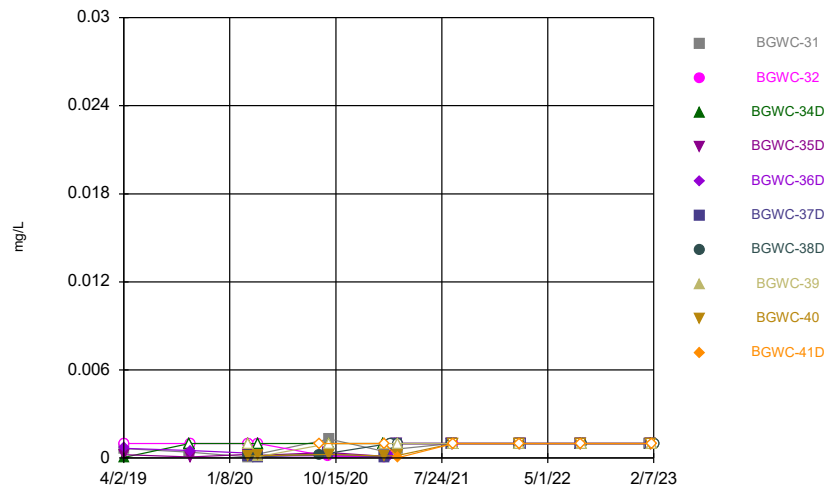
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Time Series



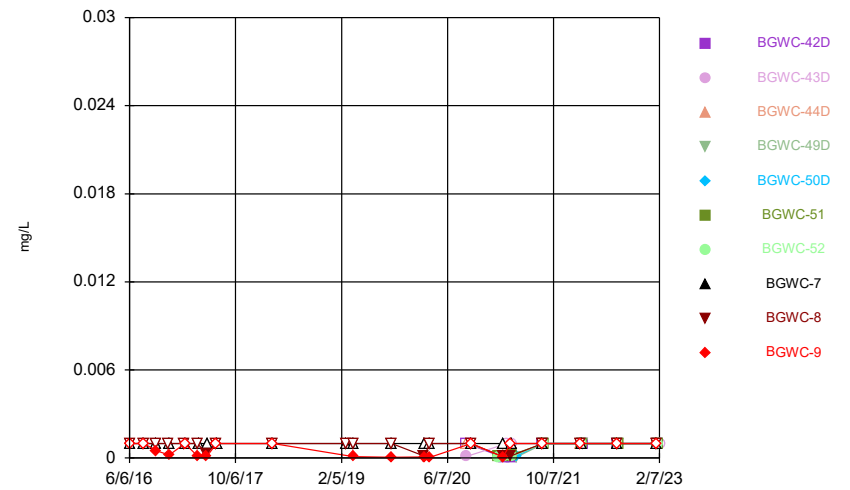
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Time Series



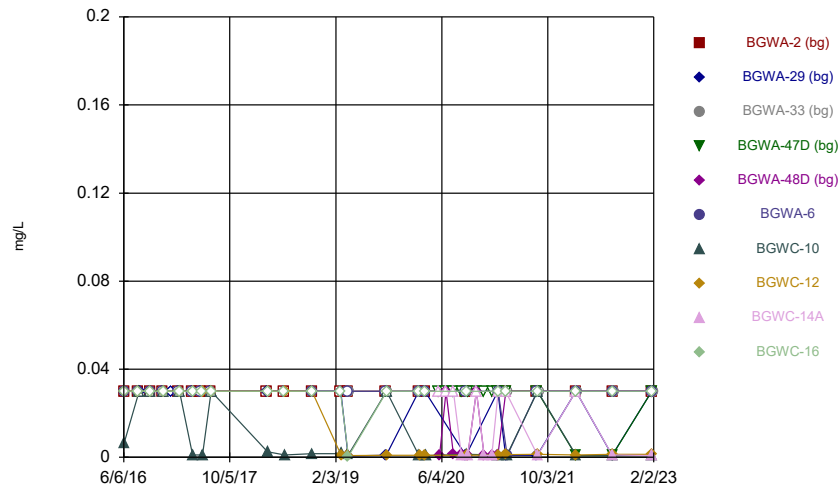
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Time Series



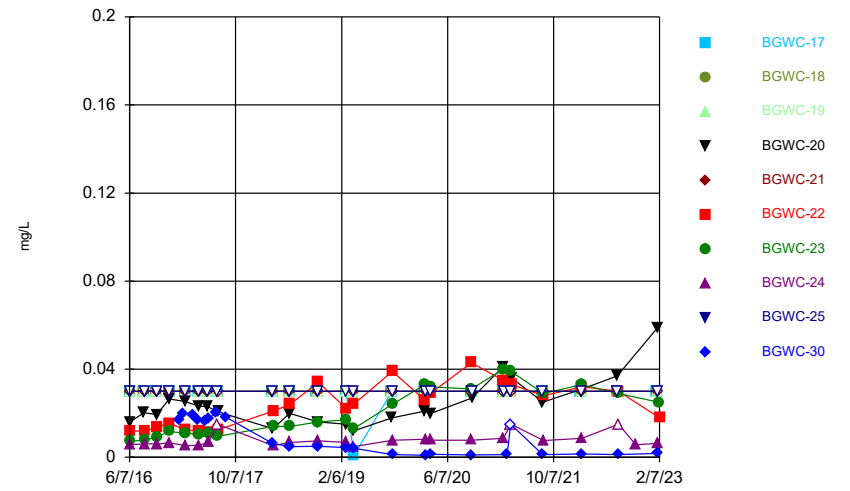
Constituent: Lead Analysis Run 5/25/2023 11:46 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



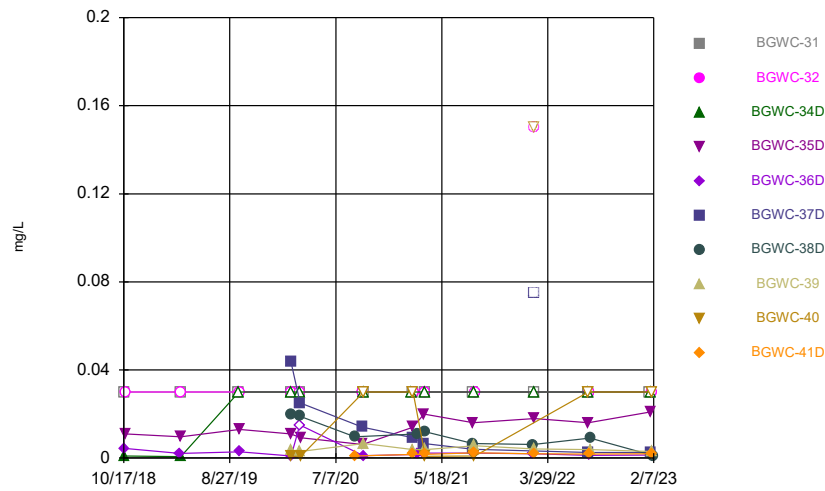
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



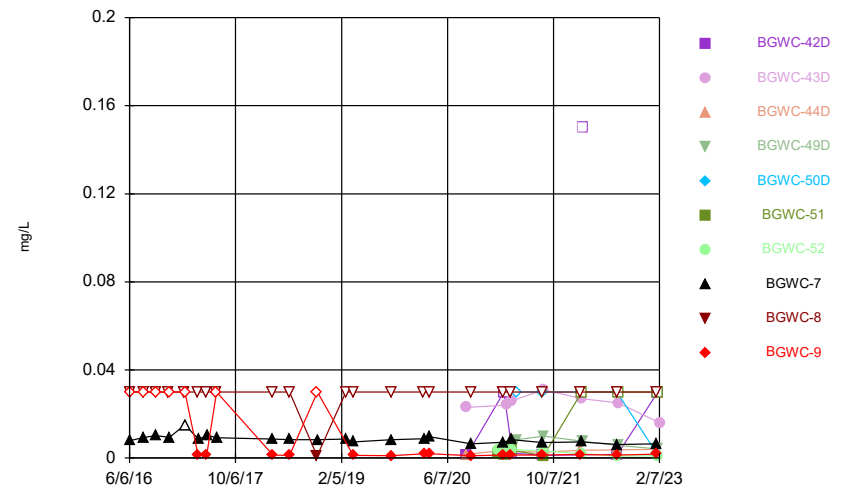
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Time Series



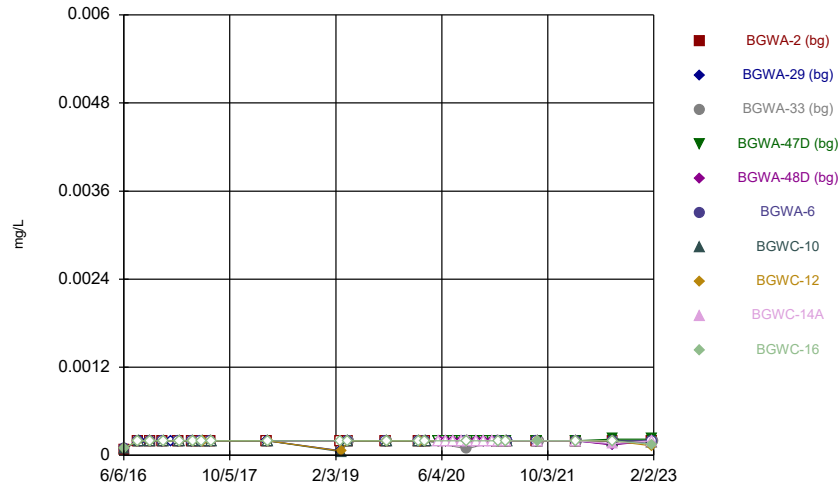
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Time Series



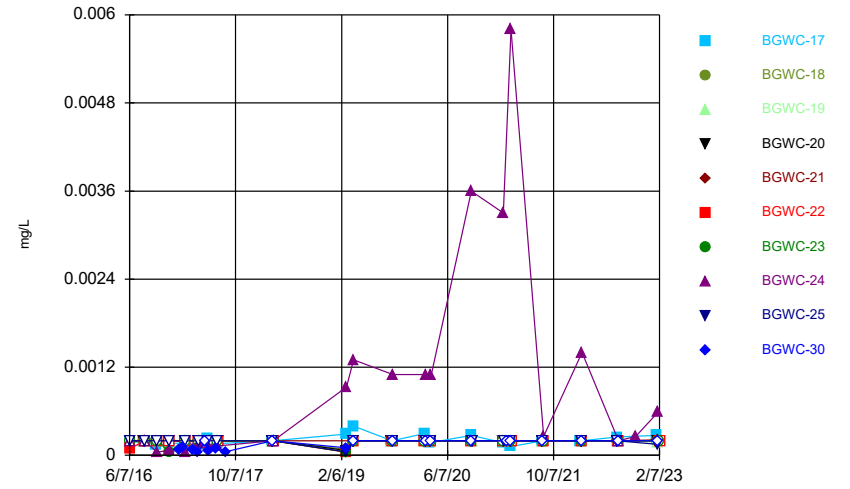
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



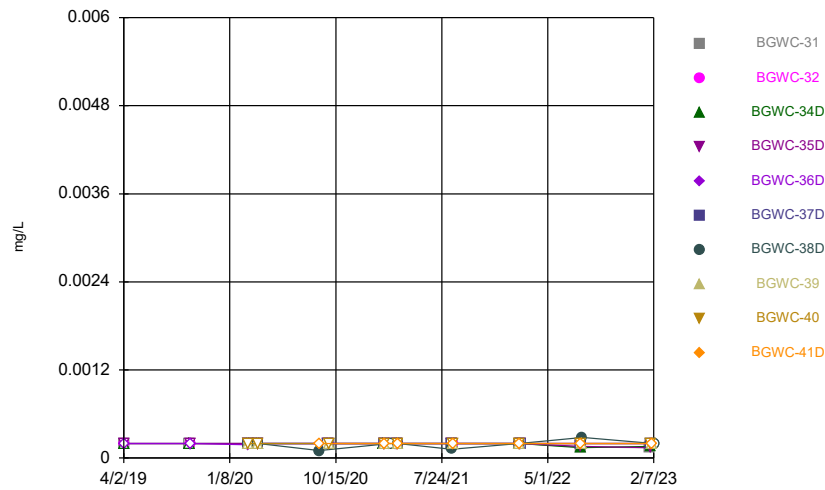
Constituent: Mercury Analysis Run 5/25/2023 11:46 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



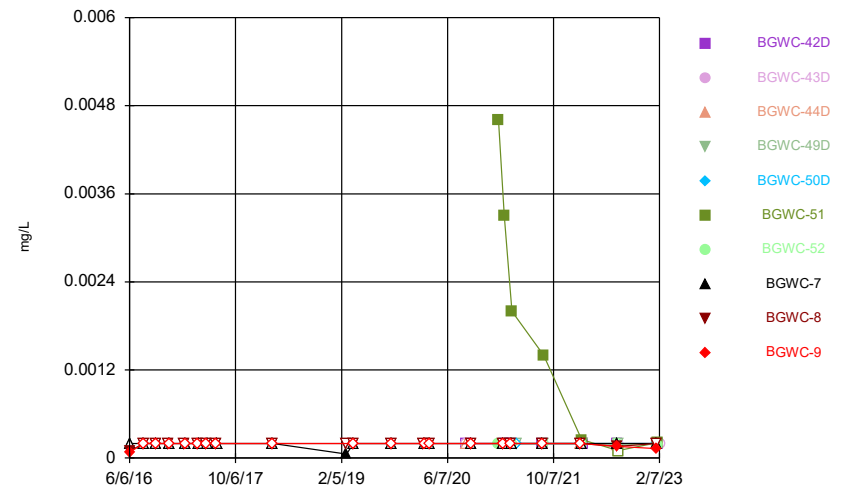
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



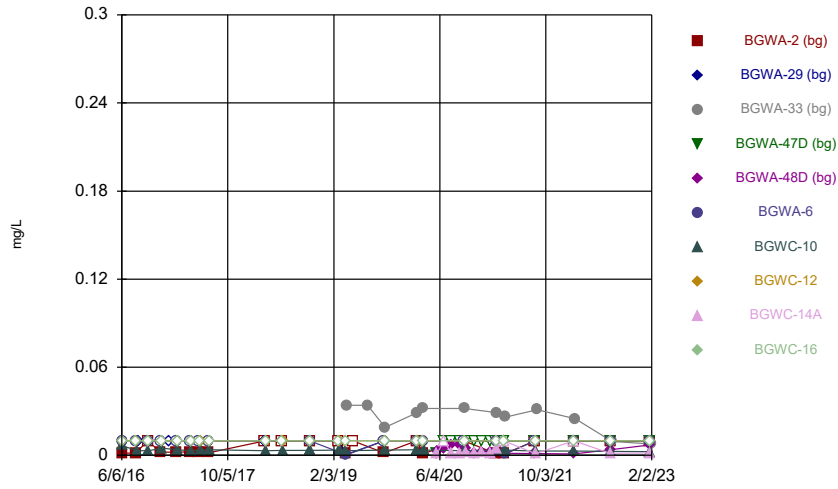
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



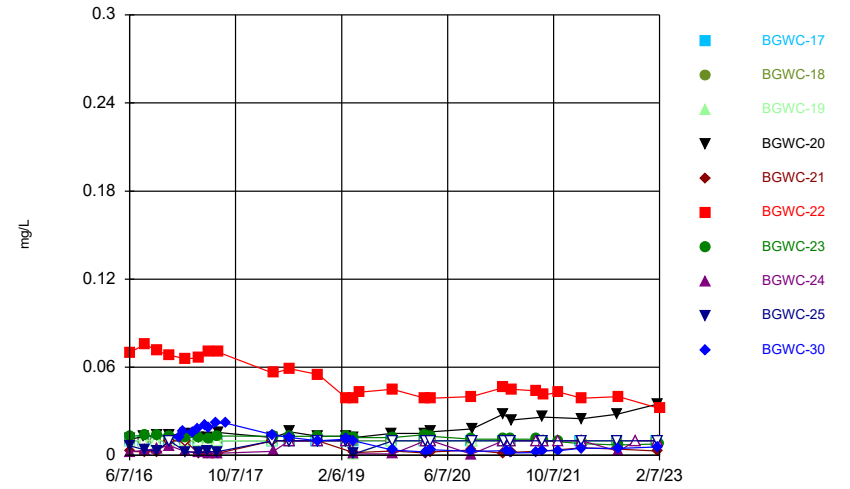
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



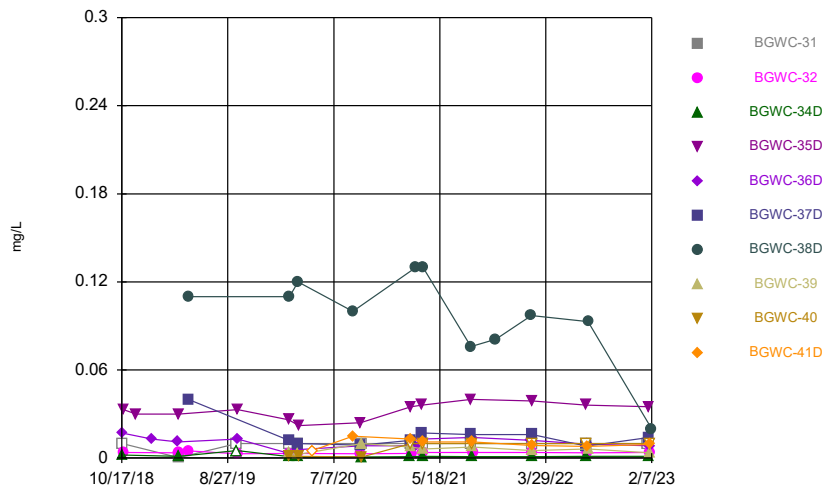
Constituent: Molybdenum Analysis Run 5/25/2023 11:46 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



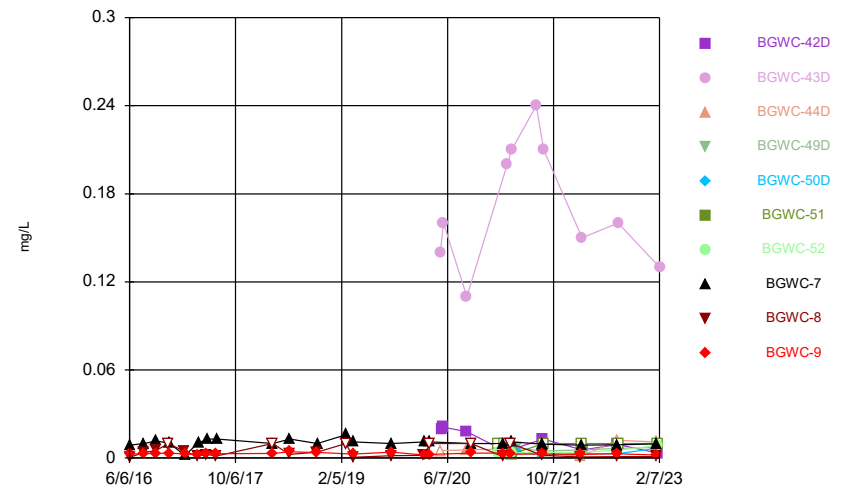
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



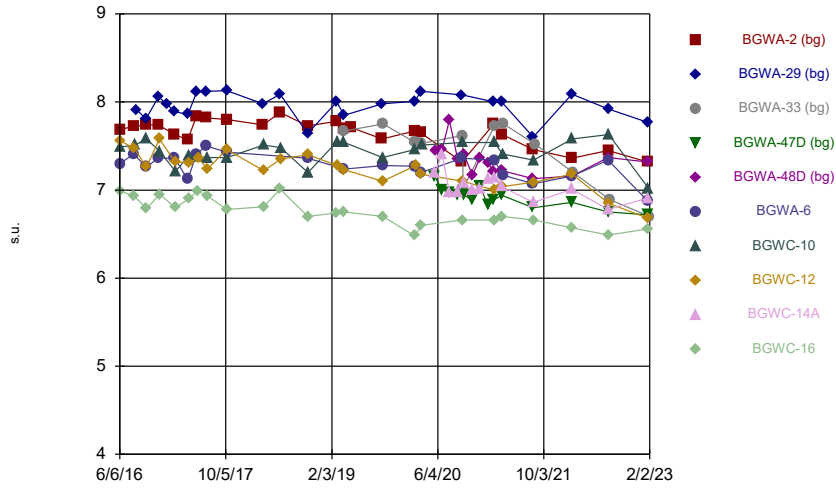
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



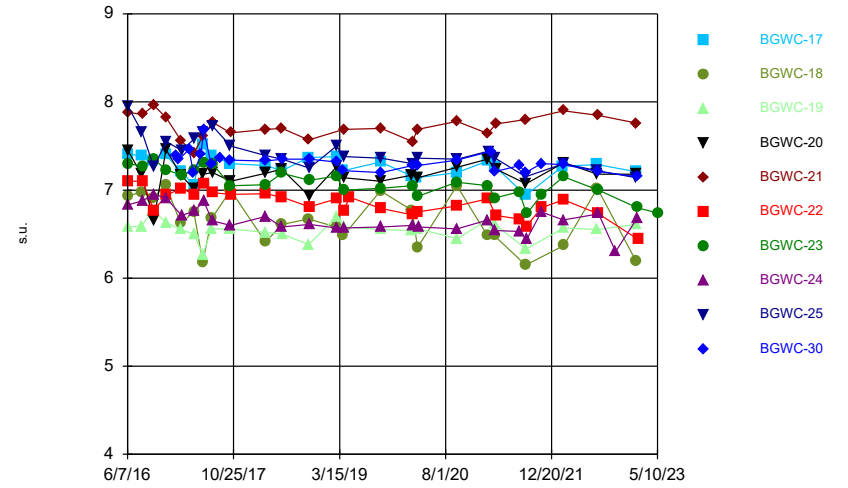
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



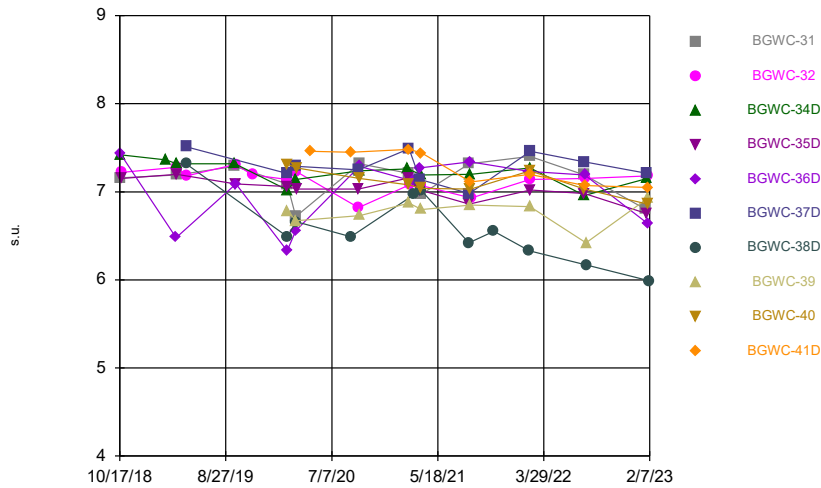
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



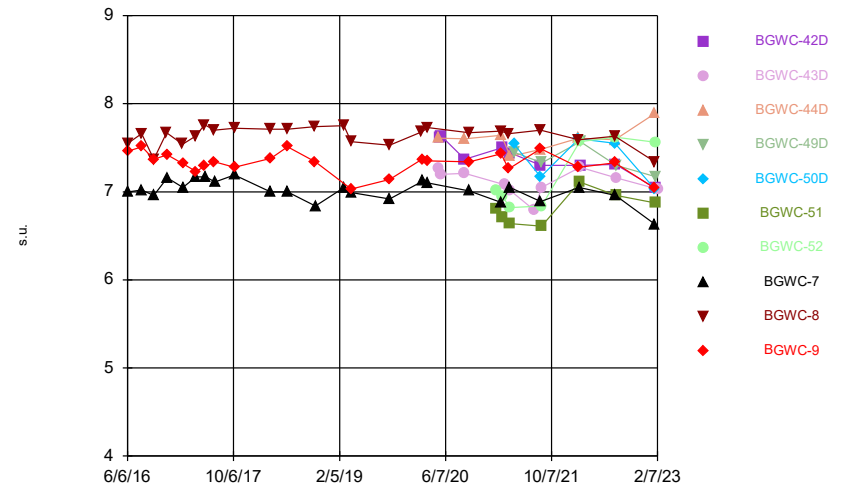
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



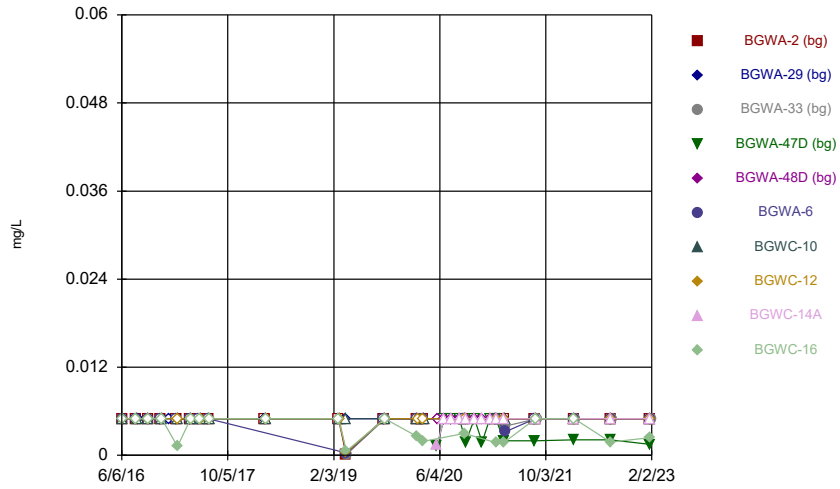
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Time Series



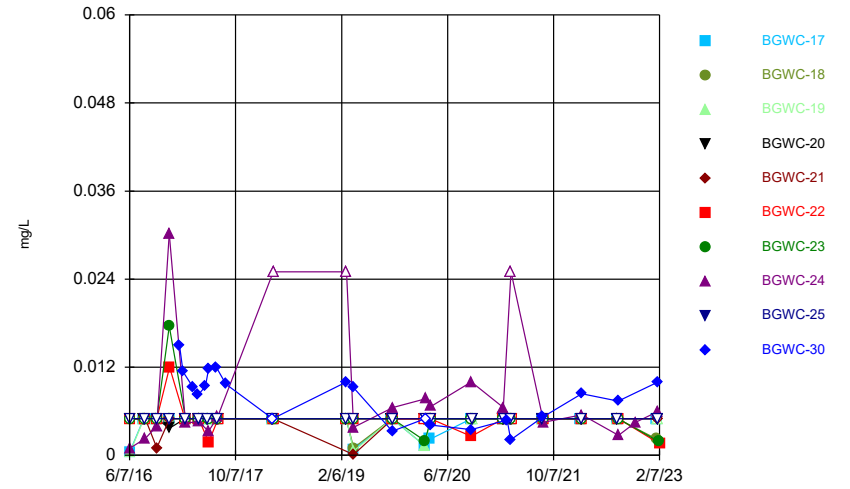
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Time Series



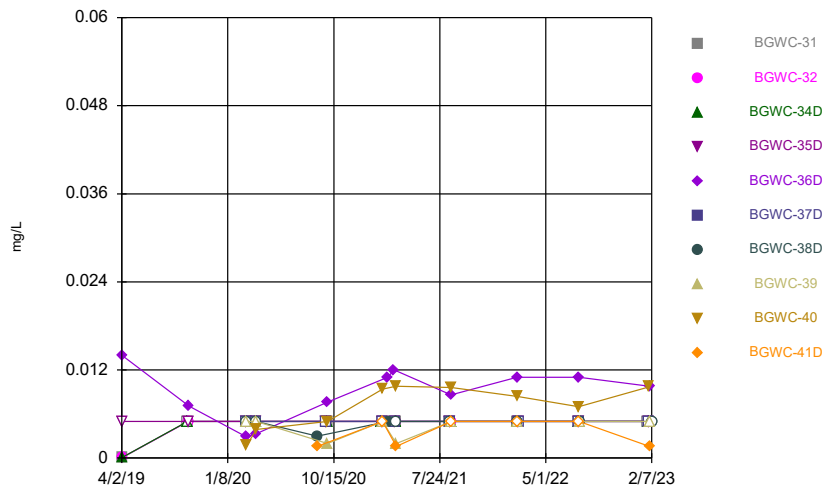
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Time Series



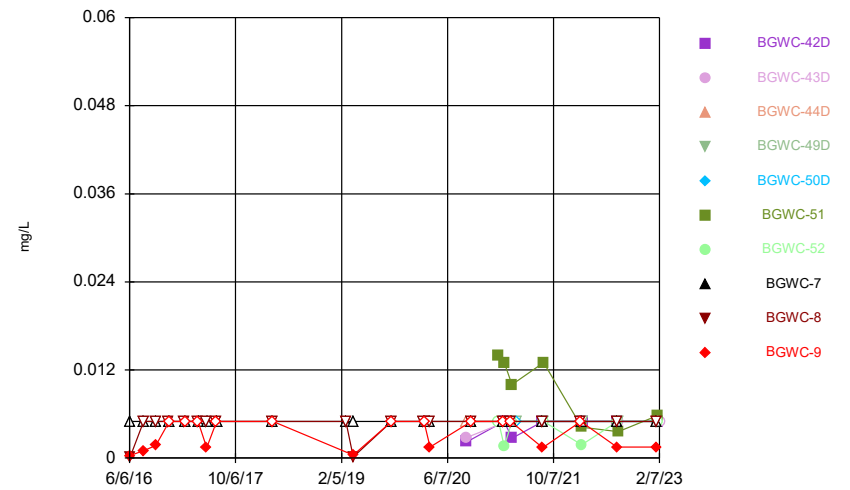
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



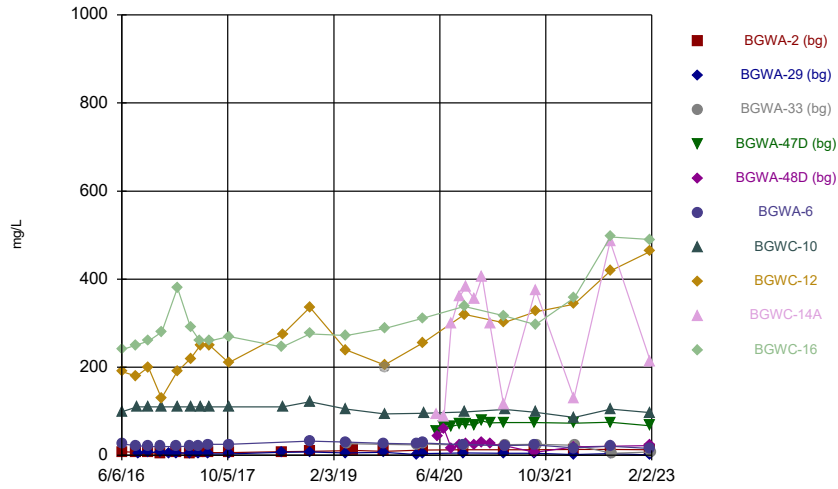
Constituent: Seleniun Analysis Run 5/25/2023 11:46 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



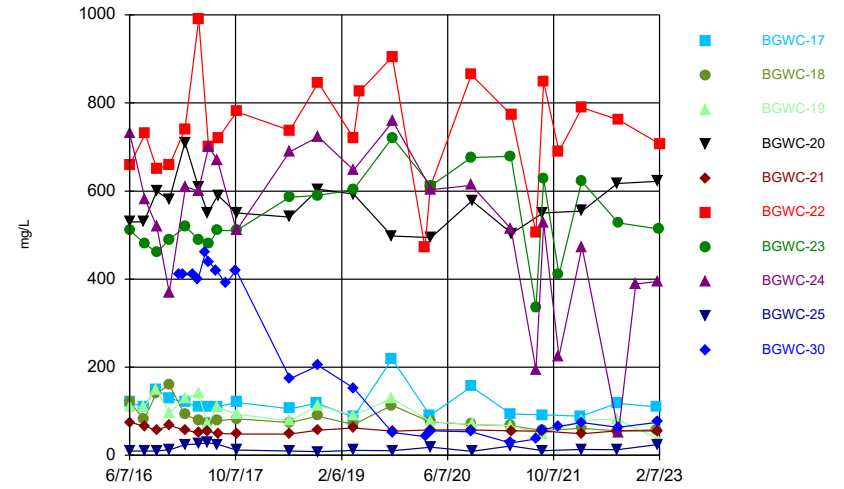
Constituent: Seleniun Analysis Run 5/25/2023 11:47 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



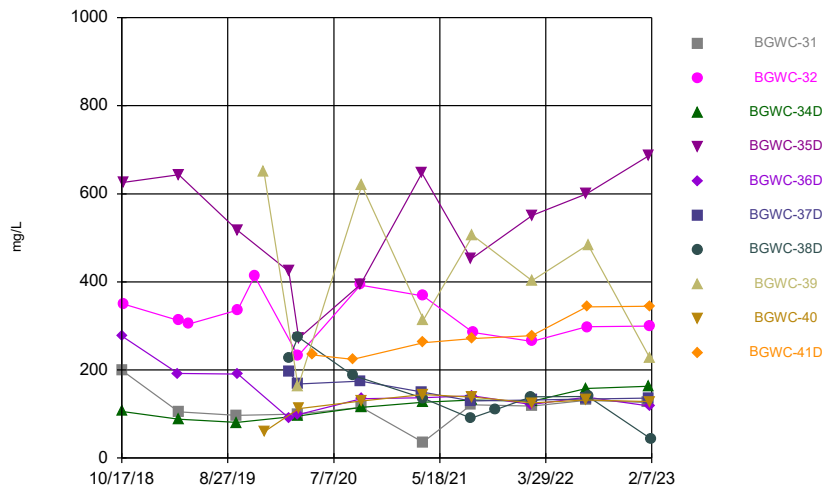
Constituent: Sulfate Analysis Run 5/25/2023 11:47 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



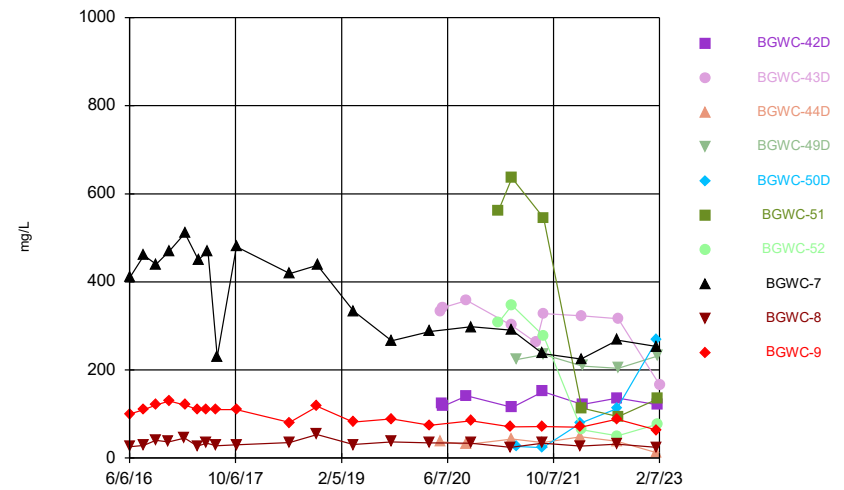
Constituent: Sulfate Analysis Run 5/25/2023 11:47 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



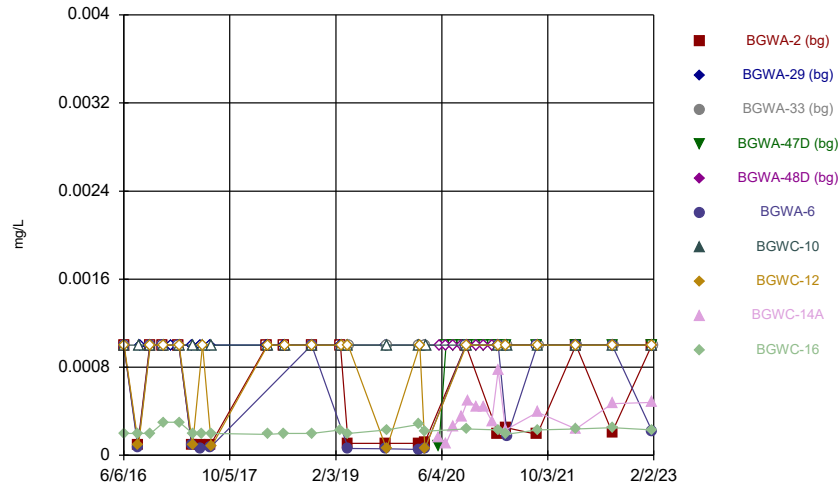
Constituent: Sulfate Analysis Run 5/25/2023 11:47 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



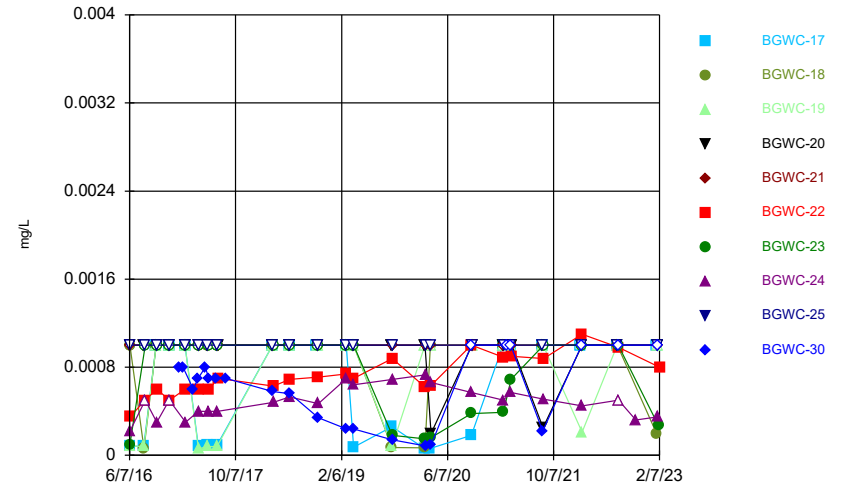
Constituent: Sulfate Analysis Run 5/25/2023 11:47 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



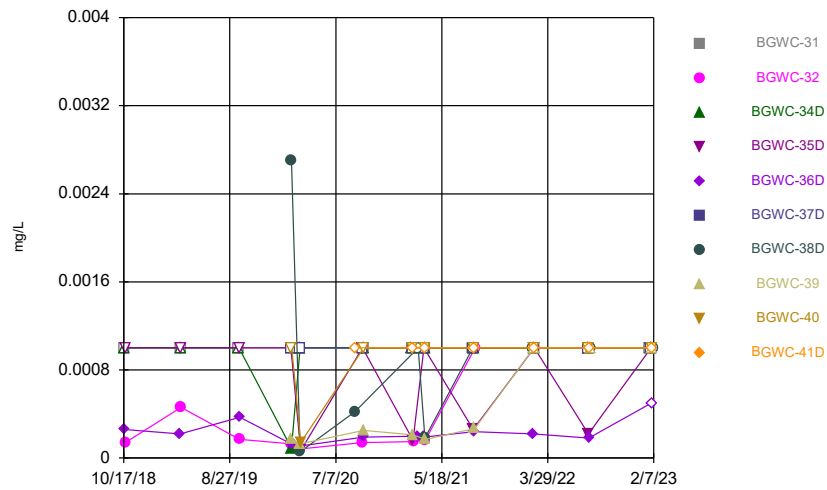
Constituent: Thallium Analysis Run 5/25/2023 11:47 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



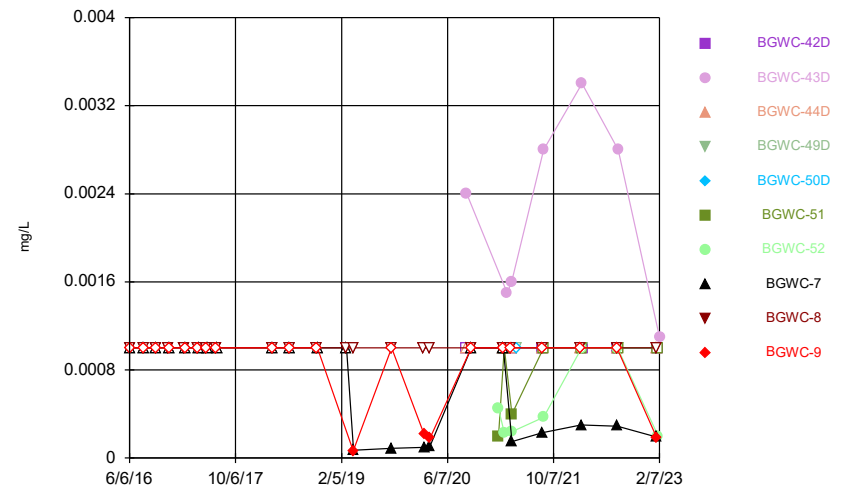
Constituent: Thallium Analysis Run 5/25/2023 11:47 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



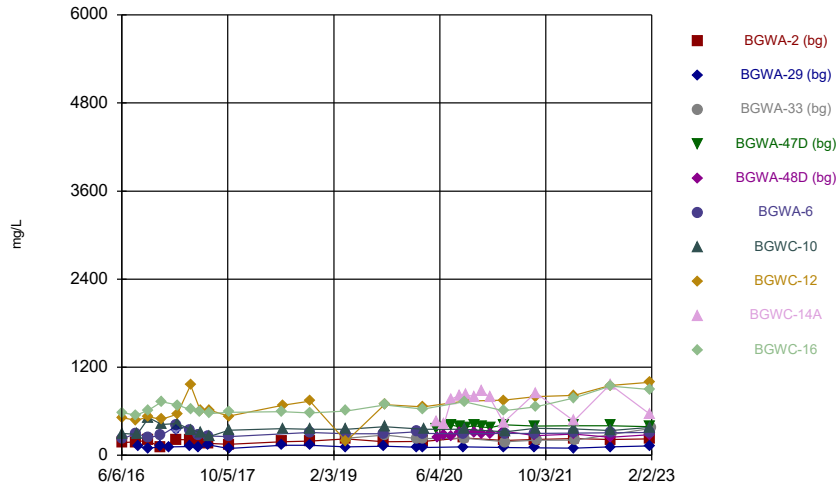
Constituent: Thallium Analysis Run 5/25/2023 11:47 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



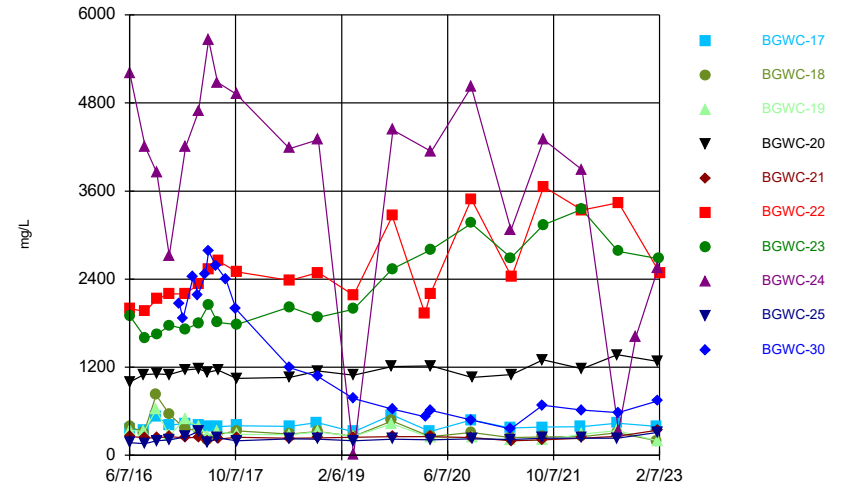
Constituent: Thallium Analysis Run 5/25/2023 11:47 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



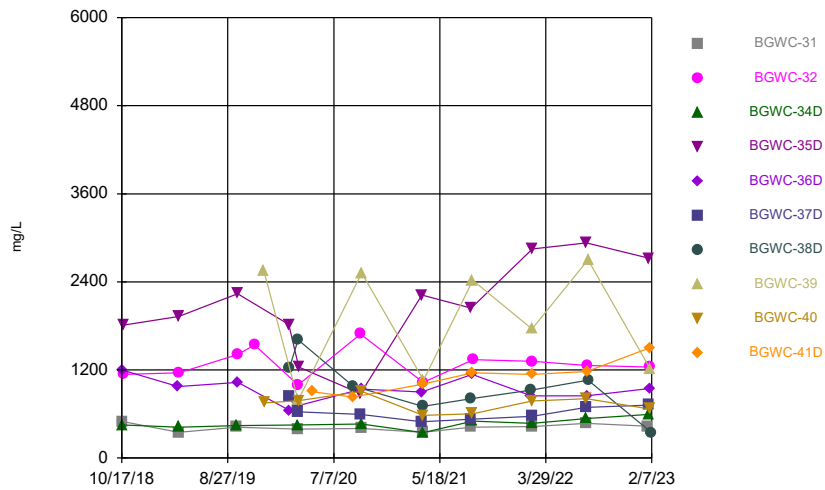
Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:47 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



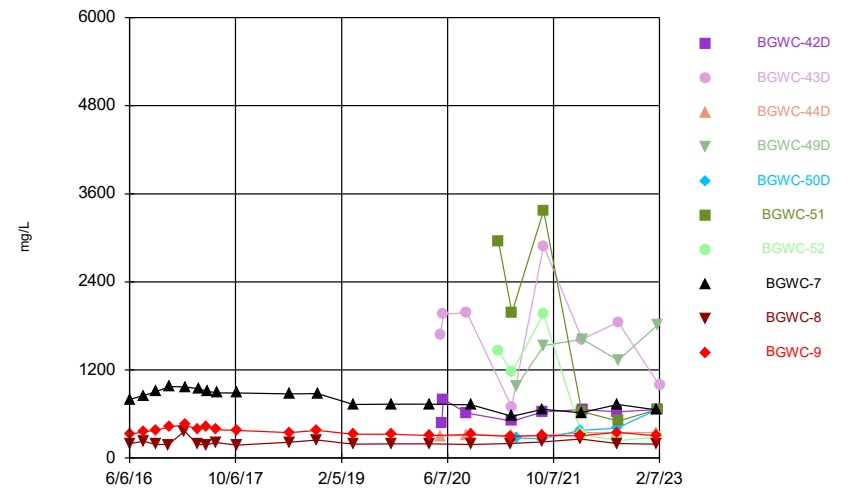
Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:47 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:47 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:47 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.003					<0.003			
6/7/2016							0.0022 (J)	<0.003	
8/9/2016	<0.003								
8/10/2016						<0.003			
8/11/2016									
8/12/2016								<0.003	
8/16/2016							<0.003		
8/22/2016		<0.003							
10/3/2016	<0.003								
10/4/2016		<0.003				<0.003			
10/6/2016								<0.003	
10/7/2016							<0.003		
11/29/2016	<0.003								
12/1/2016		<0.003				<0.003			
12/5/2016								<0.003	
12/6/2016							<0.003		
1/10/2017		<0.003							
2/13/2017	<0.003								
2/14/2017		<0.003				<0.003			
2/15/2017								<0.003	
2/16/2017							<0.003		
4/13/2017	0.0004 (J)					<0.003			
4/14/2017		<0.003							
4/18/2017							<0.003	<0.003	
5/25/2017	<0.003	<0.003				<0.003			
5/30/2017									
6/2/2017							<0.003	<0.003	
7/7/2017	<0.003					<0.003			
7/10/2017		<0.003							
7/12/2017							<0.003		
7/13/2017								<0.003	
7/14/2017									
3/26/2018	<0.003	<0.003							
3/27/2018							<0.003		
3/28/2018								<0.003	
2/25/2019	<0.003								
2/27/2019		<0.003							
2/28/2019							<0.003	<0.003	
2/18/2020	<0.003					<0.003			
2/19/2020		<0.003							
2/20/2020							<0.003		
2/21/2020			0.0016 (J)						
2/24/2020								<0.003	
3/18/2020	<0.003	<0.003							
3/19/2020						<0.003		<0.003	
3/20/2020			0.0014 (J)						
3/23/2020							<0.003		
5/22/2020				<0.003					<0.003
5/25/2020					0.0042				
6/23/2020				<0.003	0.00074 (J)				<0.003
7/28/2020				0.0013 (J)	0.0014 (J)				<0.003
9/2/2020				0.00082 (J)					<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
9/3/2020					0.0023 (J)				
9/23/2020	<0.003	<0.003				<0.003			
9/24/2020							<0.003		
9/25/2020			0.0015 (J)					<0.003	
10/1/2020				0.00056 (J)	0.0026 (J)				0.0003 (J)
11/10/2020				0.0019 (J)	0.0016 (J)				0.00061 (J)
12/15/2020				0.0018 (J)	0.0018 (J)				<0.003
1/20/2021				0.00068 (J)	0.0015 (J)				<0.003
2/16/2021	<0.003	0.0015 (J)							
2/17/2021				0.0013 (J)	0.0013 (J)				
2/18/2021						<0.003	<0.003		<0.003
2/19/2021			0.0011 (J)					<0.003	
3/23/2021		<0.003							
3/24/2021								<0.003	<0.003
3/25/2021				<0.003	0.0008 (J)				
3/26/2021	<0.003								
3/30/2021							<0.003		
3/31/2021						<0.003			
4/1/2021			0.002 (J)						
8/16/2021	<0.003	<0.003		<0.003	0.0018 (J)	<0.003			
8/18/2021							<0.003	<0.003	<0.003
8/25/2021			0.0013 (J)						
2/9/2022	<0.003			<0.003	0.0018 (J)	<0.003			<0.003
2/10/2022		<0.003							
2/11/2022							0.0021 (J)	<0.003	
2/16/2022			0.00089 (J)						
7/26/2022	<0.003	0.00096 (J)		<0.003	0.0008 (J)	<0.003			<0.003
7/27/2022								<0.003	
7/28/2022							0.0015 (J)		
8/3/2022			<0.003						
1/24/2023	<0.003	<0.003		<0.003	<0.003				
1/25/2023						0.0017 (J)			
1/26/2023								<0.003	<0.003
1/27/2023							<0.003		
2/2/2023			<0.003						

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.003
8/9/2016	
8/10/2016	
8/11/2016	0.0004 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.003
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.003
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.003
4/13/2017	
4/14/2017	
4/18/2017	<0.003
5/25/2017	
5/30/2017	<0.003
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.003
3/26/2018	
3/27/2018	<0.003
3/28/2018	
2/25/2019	<0.003
2/27/2019	
2/28/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.003
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.003
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

9/3/2020	
9/23/2020	
9/24/2020	<0.003
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.003
2/19/2021	
3/23/2021	
3/24/2021	<0.003
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.003
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.003
2/16/2022	
7/26/2022	
7/27/2022	<0.003
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.003
1/27/2023	
2/2/2023	

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.003								
6/8/2016		<0.003	<0.003	<0.003	<0.003	<0.003			<0.003
6/9/2016							<0.003	<0.003	
8/11/2016	0.0002 (J)								
8/12/2016		<0.003	<0.003	<0.003					
8/15/2016									0.0013 (J)
8/18/2016					<0.003	0.0023 (J)	0.0009 (J)	<0.003	
10/7/2016	<0.003	<0.003	<0.003						
10/10/2016				<0.003	<0.003	0.0021 (J)	<0.003	<0.003	<0.003
12/6/2016	<0.003	<0.003							
12/7/2016			<0.003	<0.003			<0.003	<0.003	
12/8/2016					<0.003	<0.003			<0.003
1/23/2017									
2/7/2017									
2/16/2017	<0.003	<0.003	<0.003						
2/17/2017				<0.003	<0.003	<0.003			
2/20/2017							<0.003	<0.003	<0.003
3/27/2017									
4/17/2017									
4/19/2017	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003	
4/20/2017						<0.003			<0.003
5/22/2017									
5/30/2017	<0.003								
6/1/2017		<0.003	<0.003	<0.003	<0.003				<0.003
6/5/2017						<0.003	<0.003	<0.003	
7/11/2017									
7/14/2017	<0.003	<0.003	<0.003						
7/17/2017							<0.003	<0.003	<0.003
7/18/2017				<0.003	<0.003				
7/19/2017						<0.003			
8/23/2017									
3/26/2018									
3/27/2018	<0.003	<0.003	<0.003						
3/28/2018				<0.003	<0.003				<0.003
3/29/2018						<0.003	<0.003	<0.003	
2/27/2019	<0.003	<0.003		<0.003					
3/1/2019			<0.003			<0.003	<0.003	<0.003	<0.003
2/24/2020	<0.003	<0.003	<0.003	<0.003					
2/25/2020						<0.003	<0.003		
2/26/2020					<0.003			<0.003	<0.003
3/19/2020	<0.003								
3/20/2020		<0.003	<0.003		<0.003	<0.003			
3/23/2020				0.0014 (J)			0.00053 (J)		
3/24/2020									<0.003
3/25/2020								<0.003	
9/24/2020	<0.003	<0.003			<0.003	<0.003	<0.003		
9/25/2020								0.00048 (J)	
9/28/2020			0.0005 (J)	0.0005 (J)					<0.003
2/18/2021	<0.003	<0.003	<0.003	<0.003					
2/19/2021					<0.003	0.00028 (J)	0.00031 (J)	0.00036 (J)	
2/23/2021									<0.003
3/8/2021									

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/24/2021	<0.003	<0.003							
3/25/2021									
3/26/2021			<0.003				<0.003	<0.003	<0.003
3/29/2021				<0.003	<0.003	<0.003			
8/19/2021	<0.003	<0.003							<0.003
8/20/2021			<0.003	<0.003	0.0014 (J)				
8/23/2021						<0.003	0.0029 (J)	0.0028 (J)	
2/11/2022	<0.003								
2/14/2022							0.0014 (J)		
2/15/2022						<0.003		0.0048	
2/16/2022		<0.003	<0.003	<0.003	0.0017 (J)				<0.003
7/27/2022	<0.003	<0.003	<0.003	<0.003					<0.003
7/28/2022					<0.003				
8/1/2022							0.0022 (J)		
8/2/2022						<0.003		0.015 (o)	
10/21/2022								0.0032 (R)	
1/26/2023	<0.003	<0.003							
1/27/2023			<0.003		<0.003				<0.003
1/30/2023				<0.003					
2/1/2023								<0.003	
2/2/2023							0.007		
2/7/2023						<0.003			
5/10/2023							0.0032		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	<0.003
2/7/2017	<0.003
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	<0.003
4/17/2017	<0.003
4/19/2017	
4/20/2017	
5/22/2017	<0.003
5/30/2017	
6/1/2017	
6/5/2017	<0.003
7/11/2017	<0.003
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	<0.003
3/26/2018	<0.003
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.003
2/24/2020	
2/25/2020	
2/26/2020	<0.003
3/19/2020	
3/20/2020	
3/23/2020	<0.003
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.003
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30	
3/24/2021	
3/25/2021	<0.003
3/26/2021	
3/29/2021	
8/19/2021	<0.003
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.003
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.003
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.003
2/2/2023	
2/7/2023	
5/10/2023	

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/25/2020				<0.003		<0.003			
2/26/2020	<0.003				<0.003				
2/27/2020		<0.003	<0.003				0.0003 (J)	<0.003	
2/28/2020									<0.003
3/23/2020	<0.003				<0.003				
3/24/2020		<0.003	<0.003			<0.003	<0.003	<0.003	
3/25/2020				<0.003					<0.003
9/2/2020							0.0016 (J)		
9/25/2020		0.00039 (J)		0.00064 (J)		0.0022 (J)			
9/28/2020	0.00038 (J)		0.00049 (J)		<0.003				
9/29/2020								<0.003	<0.003
2/19/2021			<0.003						
2/22/2021	<0.003			0.00066 (J)		0.00041 (J)		<0.003	<0.003
2/23/2021		0.00036 (J)							
3/8/2021					0.00096 (J)				
3/9/2021							0.00062 (J)		
3/25/2021					<0.003				
3/26/2021				<0.003		<0.003			
3/29/2021	<0.003						<0.003		
3/30/2021		<0.003	0.00079 (J)						0.0005 (J)
3/31/2021								<0.003	
8/19/2021							0.01		
8/20/2021	<0.003			<0.003		<0.003			
8/23/2021					<0.003				
8/24/2021			<0.003					<0.003	<0.003
8/25/2021		<0.003							
2/14/2022					<0.003		0.0067		
2/15/2022									
2/16/2022	<0.003	<0.003	<0.003					<0.003	<0.003
2/17/2022				<0.003		<0.003			
7/28/2022	<0.003		<0.003	<0.003		<0.003			<0.003
7/29/2022		<0.003			<0.003				
8/2/2022							0.0015 (J)	<0.003	
1/27/2023	<0.003								
1/30/2023			<0.003	<0.003		<0.003			
1/31/2023		<0.003							<0.003
2/1/2023					<0.003				
2/2/2023								<0.003	
2/7/2023							0.00082 (J)		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.0014 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.003
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.003
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.0014 (J)
8/25/2021	
2/14/2022	
2/15/2022	<0.003
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.003
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.003
2/2/2023	
2/7/2023	

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.003
6/8/2016								<0.003	
8/10/2016									0.0004 (J)
8/11/2016								0.0005 (J)	
10/4/2016									<0.003
10/5/2016									
10/6/2016								0.0015 (J)	
12/2/2016									<0.003
12/5/2016									
12/6/2016								<0.003	
2/14/2017									<0.003
2/15/2017								<0.003	
4/14/2017									<0.003
4/17/2017									
4/18/2017								0.0003 (J)	
5/26/2017									<0.003
6/2/2017								<0.003	
7/10/2017									<0.003
7/11/2017									
7/14/2017								<0.003	
3/26/2018									<0.003
3/27/2018								<0.003	
2/25/2019									<0.003
2/28/2019								<0.003	
2/19/2020									<0.003
2/20/2020									
2/21/2020								0.0016 (J)	
3/18/2020									<0.003
3/19/2020								<0.003	
9/3/2020	0.00072 (J)	0.00091 (J)	0.0021 (J)						
9/23/2020									<0.003
9/24/2020									
9/25/2020								<0.003	
1/28/2021						<0.003	0.0019 (J)		
2/16/2021									0.00046 (J)
2/17/2021									
2/18/2021			0.009					<0.003	
2/22/2021	0.0019 (J)								
2/23/2021						<0.003	0.00053 (J)		
3/8/2021		0.00058 (J)							
3/24/2021									0.00059 (J)
3/29/2021		<0.003							
3/30/2021						0.0019 (J)	0.00085 (J)	<0.003	
3/31/2021			0.0026 (J)						
4/1/2021	0.0019 (J)								
4/19/2021				0.00039 (J)	0.0019 (J)				
8/18/2021			0.0015 (J)		<0.003				<0.003
8/19/2021								<0.003	
8/20/2021	0.00083 (J)								
8/23/2021		<0.003				<0.003	<0.003		
8/24/2021				<0.003					

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
2/9/2022			<0.003		<0.003				
2/10/2022									<0.003
2/11/2022								<0.003	
2/14/2022						<0.003	<0.003		
2/15/2022		<0.003							
2/17/2022	<0.003			<0.003					
7/26/2022			0.0011 (J)		<0.003				<0.003
7/28/2022	<0.003						<0.003	<0.003	
8/1/2022		<0.003		<0.003		<0.003			
1/25/2023			<0.003		0.0017 (J)				
1/26/2023								<0.003	<0.003
1/30/2023	<0.003								
1/31/2023						<0.003	<0.003		
2/1/2023				<0.003					
2/7/2023		<0.003							

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.003
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0003 (J)
10/4/2016	
10/5/2016	<0.003
10/6/2016	
12/2/2016	
12/5/2016	<0.003
12/6/2016	
2/14/2017	
2/15/2017	<0.003
4/14/2017	
4/17/2017	<0.003
4/18/2017	
5/26/2017	<0.003
6/2/2017	
7/10/2017	
7/11/2017	<0.003
7/14/2017	
3/26/2018	
3/27/2018	<0.003
2/25/2019	
2/28/2019	
2/19/2020	
2/20/2020	<0.003
2/21/2020	
3/18/2020	
3/19/2020	<0.003
9/3/2020	
9/23/2020	
9/24/2020	<0.003
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.00075 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.00038 (J)
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0014 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
2/9/2022	
2/10/2022	<0.003
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.003
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.003
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.0012 (J)					<0.005			
6/7/2016							0.0039	<0.005	
8/9/2016	<0.005								
8/10/2016						<0.005			
8/11/2016									
8/12/2016								0.0009 (J)	
8/16/2016							0.0091		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005			
10/6/2016								<0.005	
10/7/2016							0.0074		
11/29/2016	0.0023 (J)								
12/1/2016		<0.005				<0.005			
12/5/2016								<0.005	
12/6/2016							0.0044 (J)		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							0.0081		
4/13/2017	0.0017 (J)					0.0007 (J)			
4/14/2017		0.0006 (J)							
4/18/2017							0.0084	0.0009 (J)	
5/25/2017	0.0015 (J)	0.0008 (J)				0.0013 (J)			
5/30/2017									
6/2/2017							0.008	0.0015 (J)	
7/7/2017	0.001 (J)					<0.005			
7/10/2017		0.0008 (J)							
7/12/2017							0.0063		
7/13/2017								0.0006 (J)	
7/14/2017									
3/26/2018	0.0019 (J)	0.00066 (J)							
3/27/2018							0.0064		
3/28/2018								0.0015 (J)	
6/12/2018	0.0013 (J)	0.00059 (J)							
6/14/2018							0.0075	0.00096 (J)	
10/16/2018	0.00075 (J)	<0.005				0.00095 (J)			
10/17/2018								<0.005	
10/18/2018							0.0056		
2/25/2019	<0.005								
2/27/2019		0.0011 (J)							
2/28/2019							0.0058	<0.005	
4/1/2019	0.00049 (J)	0.00019 (J)						0.00028 (J)	
4/2/2019						0.00032 (J)	0.0057		
4/3/2019			0.002 (J)						
9/23/2019	0.00095 (J)	0.00053 (J)				0.0012 (J)			
9/25/2019							0.0058	0.00085 (J)	
9/26/2019									
9/27/2019			0.0023 (J)						
2/18/2020	0.002 (J)					0.0019 (J)			
2/19/2020		0.0012 (J)							

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							0.0067		
2/21/2020			0.0015 (J)						
2/24/2020								0.00039 (J)	
3/18/2020	<0.005	<0.005							
3/19/2020						<0.005		0.00036 (J)	
3/20/2020			0.0024 (J)						
3/23/2020							0.0049 (J)		
5/22/2020				0.00059 (J)					0.001 (J)
5/25/2020					0.0025 (J)				
6/23/2020				<0.005	0.01				<0.005
7/28/2020				0.00081 (J)	0.0039 (J)				0.0011 (J)
9/2/2020				<0.005					<0.005
9/3/2020					0.0018 (J)				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							0.006		
9/25/2020			0.0017 (J)					<0.005	
10/1/2020				<0.005	0.0014 (J)				<0.005
11/10/2020				<0.005	<0.005				<0.005
12/15/2020				<0.005	<0.005				<0.005
1/20/2021				<0.005	<0.005				<0.005
2/16/2021	<0.005	<0.005							
2/17/2021				<0.005	<0.005				
2/18/2021						0.0011 (J)	0.0054		<0.005
2/19/2021			<0.005					0.0011 (J)	
3/23/2021		<0.005							
3/24/2021								0.002 (J)	0.002 (J)
3/25/2021				0.0014 (J)	0.0042 (J)				
3/26/2021	<0.005								
3/30/2021							0.0053		
3/31/2021						<0.005			
4/1/2021			0.0013 (J)						
8/16/2021	<0.005	<0.005		0.0012 (J)	0.0079	<0.005			
8/18/2021							0.0083	0.0039 (J)	0.0034 (J)
8/25/2021			0.0018 (J)						
2/9/2022	<0.005			<0.005	0.0057	<0.005			<0.005
2/10/2022		<0.005							
2/11/2022							0.0094	<0.005	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		<0.005	<0.005	<0.005			<0.005
7/27/2022								0.0028 (J)	
7/28/2022							0.005		
8/3/2022			0.0043 (J)						
1/24/2023	<0.005	<0.005		<0.005	<0.005				
1/25/2023						<0.005			
1/26/2023								<0.005	<0.005
1/27/2023							<0.005		
2/2/2023			0.01						

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.005
8/9/2016	
8/10/2016	
8/11/2016	<0.005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.005
4/13/2017	
4/14/2017	
4/18/2017	0.0007 (J)
5/25/2017	
5/30/2017	0.0008 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0008 (J)
3/26/2018	
3/27/2018	0.0014 (J)
3/28/2018	
6/12/2018	0.00073 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.005
2/25/2019	<0.005
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0003 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.00074 (J)
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.00042 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.005
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.005
2/19/2021	
3/23/2021	
3/24/2021	0.0013 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.005
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.005
2/16/2022	
7/26/2022	
7/27/2022	<0.005
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.005
1/27/2023	
2/2/2023	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.005								
6/8/2016		<0.005	0.00046 (J)	0.0011 (J)	0.0015	0.0012 (J)			0.0037
6/9/2016							0.0012 (J)	0.0016	
8/11/2016	<0.005								
8/12/2016		<0.005	0.0008 (J)	0.0017 (J)					
8/15/2016									0.003 (J)
8/18/2016					<0.005	0.0022 (J)	0.003 (J)	0.0054	
10/7/2016	<0.005	<0.005	<0.005						
10/10/2016				<0.005	<0.005	0.002 (J)	0.0021 (J)	0.0079	0.0026 (J)
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	<0.005			0.0023 (J)	0.0121	
12/8/2016					<0.005	<0.005			<0.005
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	0.0023 (J)			
2/20/2017							0.0025 (J)	0.0063	0.0029 (J)
3/27/2017									
4/17/2017									
4/19/2017	0.0012 (J)	0.0013 (J)	0.0015 (J)	0.002 (J)	0.002 (J)		0.0032 (J)	0.0051	
4/20/2017						0.0028 (J)			0.0024 (J)
5/22/2017									
5/30/2017	0.0006 (J)								
6/1/2017		0.0005 (J)	0.0008 (J)	0.0017 (J)	0.0011 (J)				0.0025 (J)
6/5/2017						0.0035 (J)	0.0043 (J)	0.0072	
7/11/2017									
7/14/2017	<0.005	<0.005	0.0006 (J)						
7/17/2017							0.0017 (J)	0.0031 (J)	0.0021 (J)
7/18/2017				0.0018 (J)	0.0015 (J)				
7/19/2017						0.0028 (J)			
8/23/2017									
3/26/2018									
3/27/2018	0.00076 (J)	0.00066 (J)	0.00082 (J)						
3/28/2018				0.0018 (J)	0.0012 (J)				0.0019 (J)
3/29/2018						0.0037 (J)	0.0028 (J)	0.0075 (J)	
6/13/2018				0.0015 (J)			0.0019 (J)	0.0045 (J)	
6/14/2018	<0.005	<0.005			0.00087 (J)	0.0027 (J)			0.0022 (J)
6/15/2018			0.00074 (J)						
10/17/2018	<0.005								
10/18/2018		<0.005							
10/19/2018			<0.005		0.00059 (J)				
10/22/2018				<0.005		0.0016 (J)	0.0015 (J)	0.0027 (J)	0.0026 (J)
2/27/2019	0.001 (J)	0.00083 (J)		0.0014 (J)					
3/1/2019			<0.005			0.0011 (J)	0.0023 (J)	0.0032 (J)	0.0022 (J)
4/2/2019	0.00024 (J)	0.00015 (J)							
4/3/2019			0.00017 (J)	0.00027 (J)	0.00038 (J)	0.0021 (J)	0.00093 (J)	0.0019 (J)	
4/4/2019									0.0016 (J)
9/26/2019	0.0008 (J)	0.00046 (J)	0.00067 (J)	0.00087 (J)					
9/27/2019						0.0013 (J)	0.00096 (J)		
9/30/2019					<0.005			0.0027 (J)	0.002 (J)
2/24/2020	<0.005	<0.005	<0.005	0.00057 (J)					
2/25/2020						0.0014 (J)	0.0012 (J)		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					0.00047 (J)			0.0013 (J)	0.0018 (J)
3/19/2020	<0.005								
3/20/2020		<0.005	<0.005		<0.005	0.0015 (J)			
3/23/2020				<0.005			0.0027 (J)		
3/24/2020									0.0013 (J)
3/25/2020								<0.005	
9/24/2020	<0.005	<0.005			<0.005	0.0019 (J)	0.001 (J)		
9/25/2020								0.0023 (J)	
9/28/2020			<0.005	<0.005					0.0028 (J)
2/18/2021	<0.005	<0.005	<0.005	0.0016 (J)					
2/19/2021					0.00079 (J)	0.0039 (J)	0.0049 (J)	0.0054	
2/23/2021									0.004 (J)
3/8/2021									
3/24/2021	0.0017 (J)	0.0014 (J)							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.005	0.0025 (J)
3/29/2021				<0.005	<0.005	<0.005			
8/19/2021	0.0014 (J)	0.002 (J)							0.0019 (J)
8/20/2021			<0.005	<0.005	<0.005				
8/23/2021						0.0036 (J)	0.0043 (J)	0.0032 (J)	
2/11/2022	<0.005								
2/14/2022							0.0065		
2/15/2022						0.007		0.0073	
2/16/2022		<0.005	0.0022 (J)	0.0031 (J)	0.002 (J)				0.0055
7/27/2022	<0.005	<0.005	<0.005	<0.005					0.0027 (J)
7/28/2022					<0.005				
8/1/2022							0.0085		
8/2/2022						0.0033 (J)		<0.005	
10/21/2022								0.003 (JR)	
1/26/2023	<0.005	<0.005							
1/27/2023			<0.005		<0.005				<0.005
1/30/2023				<0.005					
2/1/2023								0.0042 (J)	
2/2/2023							0.01		
2/7/2023						0.0028 (J)			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	<0.005
2/7/2017	<0.005
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0019 (J)
4/17/2017	0.0017 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0034 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0039 (J)
7/11/2017	0.0016 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.001 (J)
3/26/2018	0.0015 (J)
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.00089 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.00064 (J)
2/27/2019	
3/1/2019	<0.005
4/2/2019	0.00024 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00042 (J)
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	0.00053 (J)
3/19/2020	
3/20/2020	
3/23/2020	<0.005
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.005
3/24/2021	
3/25/2021	0.0015 (J)
3/26/2021	
3/29/2021	
8/19/2021	<0.005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0034 (J)
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.0024 (J)
2/2/2023	
2/7/2023	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.00082 (J)				
10/18/2018	0.0034 (J)								
10/19/2018			0.013						
10/22/2018		0.00076 (J)		0.0019 (J)					
1/14/2019			0.017						
3/4/2019			0.02						
4/2/2019					0.00039 (J)				
4/4/2019	0.0036 (J)		0.015	0.0018 (J)					
4/5/2019		0.00093 (J)							
9/24/2019	0.0055		0.016						
9/26/2019		0.0018 (J)		0.0035 (J)					
9/27/2019					0.00064 (J)				
2/25/2020				0.0013 (J)		0.04			
2/26/2020	0.0037 (J)				<0.005				
2/27/2020		0.00081 (J)	0.017				0.0021 (J)	0.00055 (J)	
2/28/2020									0.00062 (J)
3/23/2020	0.0054				<0.005				
3/24/2020		0.0017 (J)	0.02			0.028	0.0054	<0.005	
3/25/2020				0.00046 (J)					0.00051 (J)
9/2/2020							0.0012 (J)		
9/25/2020		0.00093 (J)		0.0021 (J)		0.033			
9/28/2020	0.0044 (J)		0.018		<0.005				
9/29/2020							<0.005	<0.005	
2/19/2021			0.015						
2/22/2021	0.0049 (J)			0.0034 (J)		0.019		0.0026 (J)	0.0024 (J)
2/23/2021		0.0032 (J)							
3/8/2021					0.00096 (J)				
3/9/2021							0.0021 (J)		
3/25/2021					0.0021 (J)				
3/26/2021				0.002 (J)		0.013			
3/29/2021	0.0038 (J)						0.0019 (J)		
3/30/2021		<0.005	0.016						<0.005
3/31/2021							<0.005		
8/19/2021							<0.005		
8/20/2021	0.0054			0.0021 (J)		0.014			
8/23/2021					0.0018 (J)				
8/24/2021			0.017						
8/25/2021		0.0029 (J)						0.0028 (J)	0.0021 (J)
2/14/2022					<0.005		0.0036 (J)		
2/15/2022									
2/16/2022	0.007	0.0041 (J)	0.02					0.0052	0.0032 (J)
2/17/2022				0.0065		0.011			
7/28/2022	0.0051		0.015	<0.005		0.013			<0.005
7/29/2022		<0.005			<0.005				
8/2/2022							0.0025 (J)	0.0055	
1/27/2023	0.0035 (J)								
1/30/2023			0.014	0.005 (J)		0.0074			
1/31/2023		0.004 (J)							0.0022 (J)
2/1/2023					0.0032 (J)				
2/2/2023								0.0048 (J)	
2/7/2023							<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
1/14/2019	
3/4/2019	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.00092 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.0033 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.0017 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.0027 (J)
8/25/2021	
2/14/2022	
2/15/2022	0.0062
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.0034 (J)
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	0.0084
2/2/2023	
2/7/2023	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.00018 (J)
6/8/2016								0.0024	
8/10/2016									<0.005
8/11/2016								0.0024 (J)	
10/4/2016									<0.005
10/5/2016									
10/6/2016								<0.005	
12/2/2016									<0.005
12/5/2016									
12/6/2016								<0.005	
2/14/2017									<0.005
2/15/2017								0.003 (J)	
4/14/2017									0.0007 (J)
4/17/2017									
4/18/2017								0.0029 (J)	
5/26/2017									0.0008 (J)
6/2/2017								0.0031 (J)	
7/10/2017									0.0011 (J)
7/11/2017									
7/14/2017								0.0017 (J)	
3/26/2018									0.0009 (J)
3/27/2018								0.0028 (J)	
6/12/2018									0.00065 (J)
6/13/2018								0.0023 (J)	
10/16/2018									0.00064 (J)
10/17/2018									
10/18/2018								0.0015 (J)	
2/25/2019									<0.005
2/28/2019								0.0011 (J)	
4/1/2019									0.00041 (J)
4/2/2019								0.0016 (J)	
9/24/2019								0.0031 (J)	0.00047 (J)
2/19/2020									0.0011 (J)
2/20/2020									
2/21/2020								0.0018 (J)	
3/18/2020									0.00042 (J)
3/19/2020								0.0018 (J)	
9/3/2020	0.0023 (J)	0.00099 (J)	0.0033 (J)						
9/23/2020									<0.005
9/24/2020									
9/25/2020								0.0025 (J)	
1/28/2021						0.0012 (J)	0.00099 (J)		
2/16/2021									<0.005
2/17/2021									
2/18/2021			0.0078					0.0026 (J)	
2/22/2021	0.0068								
2/23/2021						0.0048 (J)	0.0028 (J)		
3/8/2021		0.0013 (J)							
3/24/2021									0.0012 (J)
3/29/2021		0.001 (J)							
3/30/2021						0.0065 (J)	0.001 (J)	0.0017 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			0.0043 (J)						
4/1/2021	0.002 (J)								
4/19/2021				0.0023 (J)	0.0032 (J)				
8/18/2021			0.0019 (J)		0.0018 (J)				0.0014 (J)
8/19/2021								0.0045 (J)	
8/20/2021	0.0064								
8/23/2021		0.0022 (J)				0.0033 (J)	0.002 (J)		
8/24/2021				0.003 (J)					
2/9/2022			0.0062		0.0023 (J)				
2/10/2022									<0.005
2/11/2022								0.0022 (J)	
2/14/2022						<0.005	<0.005		
2/15/2022		0.0048 (J)							
2/17/2022	0.009			0.0057					
7/26/2022			0.0041 (J)		0.0035 (J)				<0.005
7/28/2022	0.0033 (J)						<0.005	0.0024 (J)	
8/1/2022		0.0045 (J)		0.0076		<0.005			
1/25/2023			0.0043 (J)		<0.005				
1/26/2023								0.0025 (J)	<0.005
1/30/2023	0.0088								
1/31/2023						<0.005	<0.005		
2/1/2023				0.0073					
2/7/2023		<0.005							

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.0022
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0028 (J)
10/4/2016	
10/5/2016	0.002 (J)
10/6/2016	
12/2/2016	
12/5/2016	<0.005
12/6/2016	
2/14/2017	
2/15/2017	0.0033 (J)
4/14/2017	
4/17/2017	0.0028 (J)
4/18/2017	
5/26/2017	0.0035 (J)
6/2/2017	
7/10/2017	
7/11/2017	0.0033 (J)
7/14/2017	
3/26/2018	
3/27/2018	0.0021 (J)
6/12/2018	0.0015 (J)
6/13/2018	
10/16/2018	
10/17/2018	0.0035 (J)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.0026 (J)
4/2/2019	
9/24/2019	0.0033 (J)
2/19/2020	
2/20/2020	0.0019 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.0014 (J)
9/3/2020	
9/23/2020	
9/24/2020	0.0021 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.0019 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.0025 (J)
3/29/2021	
3/30/2021	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0025 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.0018 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.005
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.005
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.2					0.015			
6/7/2016							0.091	0.027	
8/9/2016	0.188								
8/10/2016						0.0142			
8/11/2016									
8/12/2016								0.026	
8/16/2016							0.0667		
8/22/2016		0.0094 (J)							
10/3/2016	0.191								
10/4/2016		0.0188				0.0137			
10/6/2016								0.0308	
10/7/2016							0.0631		
11/29/2016	0.201								
12/1/2016		0.0334				0.0144			
12/5/2016								0.0258	
12/6/2016							0.0659		
1/10/2017		0.0306							
2/13/2017	0.218								
2/14/2017		0.0247				0.0114			
2/15/2017								0.029	
2/16/2017							0.0621		
4/13/2017	0.19					0.0115			
4/14/2017		0.0231							
4/18/2017							0.0545	0.0294	
5/25/2017	0.193	0.0235				0.0122			
5/30/2017									
6/2/2017							0.0555	0.0354	
7/7/2017	0.148					0.012			
7/10/2017		0.0207							
7/12/2017							0.0572		
7/13/2017								0.0329	
7/14/2017									
3/26/2018	0.17	0.016							
3/27/2018							0.051		
3/28/2018								0.034	
6/12/2018	0.18	0.018							
6/14/2018							0.053	0.032	
10/16/2018	0.17	0.016				0.011			
10/17/2018								0.033	
10/18/2018							0.053		
2/25/2019	0.16								
2/27/2019		0.013							
2/28/2019							0.053	0.033	
4/1/2019	0.16	0.014						0.023	
4/2/2019						0.011	0.045		
4/3/2019			0.025						
9/23/2019	0.21	0.016				0.012			
9/25/2019							0.047	0.035	
9/26/2019									
9/27/2019			0.035						
2/18/2020	0.15					0.012			
2/19/2020		0.013							

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							0.049		
2/21/2020			0.03						
2/24/2020								0.033	
3/18/2020	0.14	0.013							
3/19/2020						0.013		0.034	
3/20/2020			0.033						
3/23/2020							0.042		
5/22/2020				0.046					0.036
5/25/2020					0.12				
6/23/2020				0.065	0.067				0.029
7/28/2020				0.081	0.098				0.049
9/2/2020				0.058					0.04
9/3/2020					0.067				
9/23/2020	0.14	0.014				0.01			
9/24/2020							0.041		
9/25/2020			0.028					0.038	
10/1/2020				0.058	0.073				0.039
11/10/2020				0.057	0.071				0.037
12/15/2020				0.059	0.073				0.042
1/20/2021				0.058	0.071				0.042
2/16/2021	0.15	0.013							
2/17/2021				0.06	0.064				
2/18/2021						0.012	0.039		0.036
2/19/2021			0.03					0.043	
3/23/2021		0.013							
3/24/2021								0.039	0.032
3/25/2021				0.057	0.091				
3/26/2021	0.14								
3/30/2021							0.041		
3/31/2021						0.052			
4/1/2021			0.035						
8/16/2021	0.13	0.017		0.06	0.074	0.044			
8/18/2021							0.036	0.042	0.04
8/25/2021			0.029						
2/9/2022	0.12			0.057	0.054	0.043			0.022
2/10/2022		0.011							
2/11/2022							0.044	0.043	
2/16/2022			0.031						
7/26/2022	0.12	0.013		0.056	0.025	0.016			0.038
7/27/2022								0.045	
7/28/2022							0.042		
8/3/2022			0.061						
1/24/2023	0.1	0.012		0.059	0.024				
1/25/2023						0.064			
1/26/2023								0.052	0.025
1/27/2023							0.04		
2/2/2023			0.085						

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	0.027
8/9/2016	
8/10/2016	
8/11/2016	0.0292
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0295
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.0367
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0315
4/13/2017	
4/14/2017	
4/18/2017	0.0272
5/25/2017	
5/30/2017	0.0316
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.029
3/26/2018	
3/27/2018	0.027
3/28/2018	
6/12/2018	0.029
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.026
2/25/2019	0.028
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.025
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.031
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.026
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.027
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.028
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.028
2/19/2021	
3/23/2021	
3/24/2021	0.028
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.027
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.03
2/16/2022	
7/26/2022	
7/27/2022	0.033
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.033
1/27/2023	
2/2/2023	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.017								
6/8/2016		0.039	0.036	0.036	0.054	0.092			0.038
6/9/2016							0.11	0.14	
8/11/2016	0.0152								
8/12/2016		0.031	0.0412	0.0283					
8/15/2016									0.0321
8/18/2016					0.0479	0.0953	0.0893	0.113	
10/7/2016	0.0225	0.0427	0.0427						
10/10/2016				0.0288	0.0433	0.0954	0.0839	0.0888	0.0283
12/6/2016	0.0171	0.0398							
12/7/2016			0.0338	0.0279			0.0912	0.0289	
12/8/2016					0.0474	0.0991			0.0294
1/23/2017									
2/7/2017									
2/16/2017	0.0187	0.0309	0.0407						
2/17/2017				0.0316	0.0483	0.0927			
2/20/2017							0.0813	0.0999	0.0275
3/27/2017									
4/17/2017									
4/19/2017	0.0183	0.0325	0.042	0.0367	0.0486		0.087	0.114	
4/20/2017						0.086			0.0279
5/22/2017									
5/30/2017	0.0179								
6/1/2017		0.0331	0.0341	0.0361	0.0468				0.0313
6/5/2017						0.0875	0.084	0.135	
7/11/2017									
7/14/2017	0.0191	0.0349	0.0405						
7/17/2017							0.0809	0.134	0.0251
7/18/2017				0.0346	0.0494				
7/19/2017						0.0877			
8/23/2017									
3/26/2018									
3/27/2018	0.015	0.027	0.029						
3/28/2018				0.03	0.043				0.018
3/29/2018						0.088	0.085	0.08	
6/13/2018				0.031			0.091	0.1	
6/14/2018	0.016	0.032			0.042	0.093			0.019
6/15/2018			0.032						
10/17/2018	0.015								
10/18/2018		0.033							
10/19/2018			0.037		0.038				
10/22/2018				0.03		0.088	0.087	0.1	0.018
2/27/2019	0.014	0.027		0.032					
3/1/2019			0.028			0.087	0.097	0.12	0.021
4/2/2019	0.015	0.028							
4/3/2019			0.033	0.029	0.033	0.082	0.087	0.095	
4/4/2019									0.016
9/26/2019	0.023	0.042	0.049	0.032					
9/27/2019						0.095	0.11		
9/30/2019					0.036			0.098	0.016
2/24/2020	0.014	0.028	0.024	0.033					
2/25/2020						0.062	0.12		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					0.024			0.1	0.015
3/19/2020	0.017								
3/20/2020		0.031	0.034		0.03	0.075			
3/23/2020				0.032			0.11		
3/24/2020									0.015
3/25/2020								0.096	
9/24/2020	0.022	0.031			0.031	0.093	0.12		
9/25/2020								0.088	
9/28/2020			0.03	0.032					0.016
2/18/2021	0.017	0.034	0.026	0.039					
2/19/2021					0.03	0.086	0.12	0.081	
2/23/2021									0.019
3/8/2021									
3/24/2021	0.018	0.031							
3/25/2021									
3/26/2021			0.028				0.12	0.075	0.018
3/29/2021				0.033	0.025	0.079			
8/19/2021	0.015	0.029							0.019
8/20/2021			0.035	0.034	0.024				
8/23/2021						0.073	0.11	0.077	
2/11/2022	0.015								
2/14/2022							0.11		
2/15/2022						0.074		0.077	
2/16/2022		0.032	0.036	0.035	0.028				0.019
7/27/2022	0.015	0.029	0.039	0.032					0.016
7/28/2022					0.025				
8/1/2022							0.099		
8/2/2022						0.074		0.022	
10/21/2022								0.057 (R)	
1/26/2023	0.015	0.034							
1/27/2023			0.023		0.021				0.015
1/30/2023				0.036					
2/1/2023								0.052	
2/2/2023							0.088		
2/7/2023						0.058			

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.237
2/7/2017	0.191
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.197
4/17/2017	0.192
4/19/2017	
4/20/2017	
5/22/2017	0.197
5/30/2017	
6/1/2017	
6/5/2017	0.201
7/11/2017	0.179
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.15
3/26/2018	0.1
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.087
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.1
2/27/2019	
3/1/2019	0.078
4/2/2019	0.075
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.08
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	0.062
3/19/2020	
3/20/2020	
3/23/2020	0.075
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.07
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.074
3/24/2021	
3/25/2021	0.06
3/26/2021	
3/29/2021	
8/19/2021	0.094
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.072
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.061
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.062
2/2/2023	
2/7/2023	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.11				
10/18/2018	0.055								
10/19/2018			0.038						
10/22/2018		0.096		0.065					
4/2/2019					0.074				
4/4/2019	0.032		0.031	0.071					
4/5/2019		0.085							
9/24/2019	0.038		0.036						
9/26/2019		0.12		0.085					
9/27/2019					0.084				
2/25/2020				0.099		0.12			
2/26/2020	0.033				0.064				
2/27/2020		0.092	0.036				0.24	0.06	
2/28/2020									0.045
3/23/2020	0.038				0.062				
3/24/2020		0.094	0.043			0.1	0.17	0.04	
3/25/2020				0.12					0.048
9/2/2020							0.19		
9/25/2020		0.14		0.11		0.1			
9/28/2020	0.038		0.042		0.067				
9/29/2020								0.096	0.047
2/19/2021			0.053						
2/22/2021	0.041			0.091		0.09		0.054	0.061
2/23/2021		0.13							
3/8/2021					0.073				
3/9/2021							0.096		
3/25/2021					0.073				
3/26/2021				0.07		0.089			
3/29/2021	0.039						0.082		
3/30/2021		0.13	0.048						0.06
3/31/2021								0.06	
8/19/2021							0.14		
8/20/2021	0.041			0.069		0.09			
8/23/2021					0.066				
8/24/2021			0.048					0.065	0.053
8/25/2021		0.099							
2/14/2022					0.064		0.15		
2/15/2022									
2/16/2022	0.042	0.096	0.052					0.067	0.055
2/17/2022				0.071		0.087			
7/28/2022	0.039		0.051	0.06		0.094			0.047
7/29/2022		0.09			0.062				
8/2/2022							0.12	0.07	
1/27/2023	0.042								
1/30/2023			0.055	0.059		0.087			
1/31/2023		0.1							0.047
2/1/2023					0.058				
2/2/2023								0.039	
2/7/2023							0.11		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.046
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.053
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.058
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.06
8/25/2021	
2/14/2022	
2/15/2022	0.063
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.06
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	0.071
2/2/2023	
2/7/2023	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.0051
6/8/2016								0.048	
8/10/2016									0.0264
8/11/2016								0.0428	
10/4/2016									0.0316
10/5/2016									
10/6/2016								0.0404	
12/2/2016									0.026
12/5/2016									
12/6/2016								0.0385	
2/14/2017									0.0299
2/15/2017								0.039	
4/14/2017									0.0275
4/17/2017									
4/18/2017								0.0392	
5/26/2017									0.0328
6/2/2017								0.0407	
7/10/2017									0.0305
7/11/2017									
7/14/2017								0.0394	
3/26/2018									0.029
3/27/2018								0.039	
6/12/2018									0.031
6/13/2018								0.038	
10/16/2018									0.034
10/17/2018									
10/18/2018								0.037	
2/25/2019									0.03
2/28/2019								0.041	
4/1/2019									0.025
4/2/2019								0.031	
9/24/2019								0.035	0.03
2/19/2020									0.032
2/20/2020									
2/21/2020								0.03	
3/18/2020									0.028
3/19/2020								0.031	
9/3/2020	0.087	0.083	0.02						
9/23/2020									0.029
9/24/2020									
9/25/2020								0.03	
1/28/2021						0.061	0.076		
2/16/2021									0.028
2/17/2021									
2/18/2021				0.026				0.031	
2/22/2021	0.13								
2/23/2021						0.054	0.095		
3/8/2021		0.068							
3/24/2021									0.027
3/29/2021		0.065							
3/30/2021						0.051	0.084	0.035	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			0.025						
4/1/2021	0.058								
4/19/2021				0.077	0.033				
8/18/2021			0.021		0.028				0.029
8/19/2021								0.028	
8/20/2021	0.12								
8/23/2021		0.07				0.044	0.063		
8/24/2021				0.094					
2/9/2022			0.023		0.049				
2/10/2022									0.027
2/11/2022								0.029	
2/14/2022						0.011	0.029		
2/15/2022		0.076							
2/17/2022	0.12			0.077					
7/26/2022			0.022		0.051				0.029
7/28/2022	0.084						0.021	0.028	
8/1/2022		0.066		0.062		0.0081			
1/25/2023			0.012		0.067				
1/26/2023								0.029	0.029
1/30/2023	0.13								
1/31/2023						0.011	0.032		
2/1/2023				0.055					
2/7/2023		0.059							

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.034
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0305
10/4/2016	
10/5/2016	0.0289
10/6/2016	
12/2/2016	
12/5/2016	0.0269
12/6/2016	
2/14/2017	
2/15/2017	0.0299
4/14/2017	
4/17/2017	0.0318
4/18/2017	
5/26/2017	0.0341
6/2/2017	
7/10/2017	
7/11/2017	0.0355
7/14/2017	
3/26/2018	
3/27/2018	0.026
6/12/2018	0.024
6/13/2018	
10/16/2018	
10/17/2018	0.037
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.027
4/2/2019	
9/24/2019	0.035
2/19/2020	
2/20/2020	0.025
2/21/2020	
3/18/2020	
3/19/2020	0.028
9/3/2020	
9/23/2020	
9/24/2020	0.031
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.03
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.026
3/29/2021	
3/30/2021	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.025
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.026
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.029
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.027
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.0005					<0.0005			
6/7/2016							<0.0005	<0.0005	
8/9/2016	<0.0005								
8/10/2016						<0.0005			
8/11/2016									
8/12/2016								<0.0005	
8/16/2016							<0.0005		
8/22/2016		<0.0005							
10/3/2016	<0.0005								
10/4/2016		<0.0005				<0.0005			
10/6/2016								<0.0005	
10/7/2016							<0.0005		
11/29/2016	<0.0005								
12/1/2016		<0.0005				<0.0005			
12/5/2016								<0.0005	
12/6/2016							<0.0005		
1/10/2017		<0.0005							
2/13/2017	<0.0005								
2/14/2017		<0.0005				<0.0005			
2/15/2017								<0.0005	
2/16/2017							<0.0005		
4/13/2017	<0.0005					<0.0005			
4/14/2017		<0.0005							
4/18/2017							<0.0005	<0.0005	
5/25/2017	<0.0005	<0.0005				<0.0005			
5/30/2017									
6/2/2017							<0.0005	<0.0005	
7/7/2017	<0.0005					<0.0005			
7/10/2017		<0.0005							
7/12/2017							<0.0005		
7/13/2017								<0.0005	
7/14/2017									
3/26/2018	<0.0005	<0.0005							
3/27/2018							<0.0005		
3/28/2018								<0.0005	
2/25/2019	<0.0005								
2/27/2019		<0.0005							
2/28/2019							<0.0005	7.6E-05 (J)	
4/1/2019	<0.0005	<0.0005						<0.0005	
4/2/2019						<0.0005	<0.0005		
4/3/2019			<0.0005						
9/23/2019	<0.0005	<0.0005				<0.0005			
9/25/2019							<0.0005	<0.0005	
9/26/2019									
9/27/2019			<0.0005						
2/18/2020	<0.0005					<0.0005			
2/19/2020		<0.0005							
2/20/2020							<0.0005		
2/21/2020			<0.0005						
2/24/2020								<0.0005	
3/18/2020	<0.0005	<0.0005							
3/19/2020						<0.0005		<0.0005	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.0005						
3/23/2020							<0.0005		
5/22/2020				<0.0005					<0.0005
5/25/2020					<0.0005				
6/23/2020				<0.0005	<0.0005				<0.0005
7/28/2020				<0.0005	<0.0005				<0.0005
9/2/2020				<0.0005					<0.0005
9/3/2020					<0.0005				
9/23/2020	<0.0005	<0.0005				<0.0005			
9/24/2020							<0.0005		
9/25/2020			<0.0005					<0.0005	
10/1/2020				<0.0005	5.7E-05 (J)				<0.0005
11/10/2020				<0.0005	<0.0005				<0.0005
12/15/2020				<0.0005	<0.0005				<0.0005
1/20/2021				<0.0005	<0.0005				<0.0005
2/16/2021	<0.0005	<0.0005							
2/17/2021				<0.0005	<0.0005				
2/18/2021						<0.0005	<0.0005		<0.0005
2/19/2021			<0.0005					4.6E-05 (J)	
3/23/2021		<0.0005							
3/24/2021								<0.0005	<0.0005
3/25/2021				<0.0005	<0.0005				
3/26/2021	<0.0005								
3/30/2021							<0.0005		
3/31/2021						<0.0005			
4/1/2021			<0.0005						
8/16/2021	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
8/18/2021							<0.0005	<0.0005	<0.0005
8/25/2021			<0.0005						
2/9/2022	<0.0005			<0.0005	<0.0005	<0.0005			<0.0005
2/10/2022		<0.0005							
2/11/2022							<0.0005	<0.0005	
2/16/2022			<0.0005						
7/26/2022	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			<0.0005
7/27/2022								<0.0005	
7/28/2022							<0.0005		
8/3/2022			<0.0005						
1/24/2023	<0.0005	<0.0005		<0.0005	<0.0005				
1/25/2023						<0.0005			
1/26/2023								<0.0005	<0.0005
1/27/2023							<0.0005		
2/2/2023			<0.0005						

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.003
8/9/2016	
8/10/2016	
8/11/2016	<0.003
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.003
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.003
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.003
4/13/2017	
4/14/2017	
4/18/2017	<0.003
5/25/2017	
5/30/2017	<0.003
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.003
3/26/2018	
3/27/2018	<0.003
3/28/2018	
2/25/2019	8.7E-05 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	6.3E-05 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	8E-05 (J)
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	0.00012 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00012 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.00011 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.00013 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.00014 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.00013 (J)
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.00013 (J)
2/16/2022	
7/26/2022	
7/27/2022	0.00017 (J)
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.00015 (J)
1/27/2023	
2/2/2023	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.0005								
6/8/2016		<0.0005	<0.0005	<0.0005	<0.0005	<0.003			<0.0005
6/9/2016							<0.0005	<0.0005	
8/11/2016	<0.0005								
8/12/2016		<0.0005	<0.0005	<0.0005					
8/15/2016									<0.0005
8/18/2016					<0.0005	<0.003	<0.0005	<0.0005	
10/7/2016	<0.0005	<0.0005	<0.0005						
10/10/2016				<0.0005	<0.0005	<0.003	<0.0005	<0.0005	<0.0005
12/6/2016	<0.0005	<0.0005							
12/7/2016			<0.0005	<0.0005			<0.0005	<0.0005	
12/8/2016					<0.0005	<0.003			<0.0005
1/23/2017									
2/7/2017									
2/16/2017	<0.0005	<0.0005	<0.0005						
2/17/2017				<0.0005	<0.0005	<0.003			
2/20/2017							<0.0005	<0.0005	<0.0005
3/27/2017									
4/17/2017									
4/19/2017	<0.0005	<0.0005	8E-05 (J)	<0.0005	<0.0005		<0.0005	<0.0005	
4/20/2017						<0.003			<0.0005
5/22/2017									
5/30/2017	<0.0005								
6/1/2017		9E-05 (J)	7E-05 (J)	<0.0005	<0.0005				<0.0005
6/5/2017						<0.003	<0.0005	<0.0005	
7/11/2017									
7/14/2017	<0.0005	<0.0005	<0.0005						
7/17/2017							<0.0005	<0.0005	<0.0005
7/18/2017				<0.0005	<0.0005				
7/19/2017						<0.003			
8/23/2017									
3/26/2018									
3/27/2018	<0.0005	<0.0005	<0.0005						
3/28/2018				<0.0005	<0.0005				<0.0005
3/29/2018						<0.003	<0.0005	<0.0005	
2/27/2019	<0.0005	0.00011 (J)		<0.0005					
3/1/2019			<0.0005			0.00012 (J)	<0.0005	<0.0005	<0.0005
4/2/2019	<0.0005	5.2E-05 (J)							
4/3/2019			<0.0005	<0.0005	<0.0005	6.7E-05 (J)	<0.0005	<0.0005	
4/4/2019									<0.0005
9/26/2019	<0.0005	<0.0005	<0.0005	<0.0005					
9/27/2019						9.9E-05 (J)	<0.0005		
9/30/2019					<0.0005			9.3E-05 (J)	<0.0005
2/24/2020	<0.0005	<0.0005	<0.0005	<0.0005					
2/25/2020						9.3E-05 (J)	<0.0005		
2/26/2020					<0.0005			0.0001 (J)	<0.0005
3/19/2020	<0.0005								
3/20/2020		7.6E-05 (J)	<0.0005		<0.0005	8.8E-05 (J)			
3/23/2020				<0.0005			<0.0005		
3/24/2020									<0.0005
3/25/2020								0.0001 (J)	
9/24/2020	5.4E-05 (J)	<0.0005			<0.0005	0.00012 (J)	5.4E-05 (J)		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.00013 (J)	
9/28/2020			8.8E-05 (J)	<0.0005					<0.0005
2/18/2021	6.5E-05 (J)	6.8E-05 (J)	5.2E-05 (J)	<0.0005					
2/19/2021					<0.0005	0.00013 (J)	<0.0005	0.00018 (J)	
2/23/2021									<0.0005
3/8/2021									
3/24/2021	<0.0005	6.1E-05 (J)							
3/25/2021									
3/26/2021			5.5E-05 (J)				<0.0005	<0.0005	<0.0005
3/29/2021				<0.0005	<0.0005	0.00011 (J)			
8/19/2021	6.1E-05 (J)	<0.0005							<0.0005
8/20/2021			8.7E-05 (J)	<0.0005	<0.0005				
8/23/2021						0.00011 (J)	<0.0005	0.00017 (J)	
2/11/2022	<0.0005								
2/14/2022							<0.0005		
2/15/2022						0.00012 (J)		0.00027 (J)	
2/16/2022		6.3E-05 (J)	0.0001 (J)	<0.0005	<0.0005				<0.0005
7/27/2022	5.8E-05 (J)	<0.0005	6.1E-05 (J)	<0.0005					<0.0005
7/28/2022					<0.0005				
8/1/2022							<0.0005		
8/2/2022						0.00012 (J)		<0.0005	
10/21/2022								0.00022 (JR)	
1/26/2023	<0.0005	0.0001 (J)							
1/27/2023			<0.0005		<0.0005				<0.0005
1/30/2023				<0.0005					
2/1/2023								0.00031 (J)	
2/2/2023							<0.0005		
2/7/2023						0.00013 (J)			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	<0.0005
2/7/2017	<0.0005
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	<0.0005
4/17/2017	<0.0005
4/19/2017	
4/20/2017	
5/22/2017	<0.0005
5/30/2017	
6/1/2017	
6/5/2017	<0.0005
7/11/2017	<0.0005
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	<0.0005
3/26/2018	<0.0005
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.0005
4/2/2019	<0.0005
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	<0.0005
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	<0.0005
3/19/2020	
3/20/2020	
3/23/2020	<0.0005
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	<0.0005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.0005
3/24/2021	
3/25/2021	<0.0005
3/26/2021	
3/29/2021	
8/19/2021	<0.0005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.0005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.0005
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.0005
2/2/2023	
2/7/2023	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					7E-05 (J)				
4/4/2019	<0.0005		<0.0005	<0.0005					
4/5/2019		<0.0005							
9/24/2019	<0.0005		<0.0005						
9/26/2019		<0.0005		<0.0005					
9/27/2019					<0.0005				
2/25/2020				<0.0005		<0.0005			
2/26/2020	<0.0005				<0.0005				
2/27/2020		<0.0005	<0.0005				8.8E-05 (J)	<0.0005	
2/28/2020									<0.0005
3/23/2020	<0.0005				<0.0005				
3/24/2020		<0.0005	<0.0005			<0.0005	<0.0005	7.9E-05 (J)	
3/25/2020				<0.0005					<0.0005
9/2/2020							6E-05 (J)		
9/25/2020		<0.0005		<0.0005		<0.0005			
9/28/2020	<0.0005		<0.0005		<0.0005				
9/29/2020								<0.0005	<0.0005
2/19/2021			<0.0005						
2/22/2021	<0.0005			<0.0005		<0.0005		<0.0005	<0.0005
2/23/2021		<0.0005							
3/8/2021					<0.0005				
3/9/2021							<0.0005		
3/25/2021					<0.0005				
3/26/2021				<0.0005		<0.0005			
3/29/2021	<0.0005						<0.0005		
3/30/2021		<0.0005	<0.0005						<0.0005
3/31/2021								<0.0005	
8/19/2021							5.9E-05 (J)		
8/20/2021	<0.0005			<0.0005		<0.0005			
8/23/2021					<0.0005				
8/24/2021			<0.0005					<0.0005	<0.0005
8/25/2021		<0.0005							
2/14/2022					<0.0005		<0.0005		
2/15/2022									
2/16/2022	<0.0005	<0.0005	<0.0005					<0.0005	<0.0005
2/17/2022				<0.0005		<0.0005			
7/28/2022	<0.0005		<0.0005	<0.0005		<0.0005			<0.0005
7/29/2022		<0.0005			<0.0005				
8/2/2022							5.4E-05 (J)	<0.0005	
1/27/2023	<0.0005								
1/30/2023			<0.0005	<0.0005		<0.0005			
1/31/2023		<0.0005							<0.0005
2/1/2023					<0.0005				
2/2/2023								<0.0005	
2/7/2023							8.7E-05 (J)		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.0005
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.0005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.0005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.0005
8/25/2021	
2/14/2022	
2/15/2022	<0.0005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.0005
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.0005
2/2/2023	
2/7/2023	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.0005
6/8/2016								<0.0005	
8/10/2016									<0.0005
8/11/2016								<0.0005	
10/4/2016									<0.0005
10/5/2016									
10/6/2016								<0.0005	
12/2/2016									<0.0005
12/5/2016									
12/6/2016								<0.0005	
2/14/2017									<0.0005
2/15/2017								<0.0005	
4/14/2017									<0.0005
4/17/2017									
4/18/2017								<0.0005	
5/26/2017									<0.0005
6/2/2017								<0.0005	
7/10/2017									<0.0005
7/11/2017									
7/14/2017								<0.0005	
3/26/2018									<0.0005
3/27/2018								<0.0005	
2/25/2019									<0.0005
2/28/2019								<0.0005	
4/1/2019									<0.0005
4/2/2019								<0.0005	
9/24/2019								<0.0005	<0.0005
2/19/2020									<0.0005
2/20/2020									
2/21/2020								<0.0005	
3/18/2020									<0.0005
3/19/2020								<0.0005	
9/3/2020	<0.0005	<0.0005	<0.0005						
9/23/2020									<0.0005
9/24/2020									
9/25/2020								<0.0005	
1/28/2021						8.3E-05 (J)	<0.0005		
2/16/2021									<0.0005
2/17/2021									
2/18/2021				<0.0005				<0.0005	
2/22/2021	<0.0005								
2/23/2021						0.00011 (J)	<0.0005		
3/8/2021		<0.0005							
3/24/2021									<0.0005
3/29/2021		<0.0005							
3/30/2021						0.00021 (J)	5.2E-05 (J)	<0.0005	
3/31/2021				<0.0005					
4/1/2021	<0.0005								
4/19/2021				<0.0005	<0.0005				
8/18/2021				<0.0005	<0.0005				<0.0005
8/19/2021								<0.0005	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.0005								
8/23/2021		<0.0005				0.00013 (J)	<0.0005		
8/24/2021				<0.0005					
2/9/2022			<0.0005		<0.0005				
2/10/2022									<0.0005
2/11/2022								<0.0005	
2/14/2022						7E-05 (J)	<0.0005		
2/15/2022		<0.0005							
2/17/2022	<0.0005			<0.0005					
7/26/2022			<0.0005		<0.0005				<0.0005
7/28/2022	<0.0005						<0.0005	<0.0005	
8/1/2022		<0.0005		<0.0005		<0.0005			
1/25/2023			<0.0005		<0.0005				
1/26/2023								<0.0005	<0.0005
1/30/2023	<0.0005								
1/31/2023						7.2E-05 (J)	<0.0005		
2/1/2023				<0.0005					
2/7/2023		<0.0005							

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.0005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.0005
10/4/2016	
10/5/2016	<0.0005
10/6/2016	
12/2/2016	
12/5/2016	<0.0005
12/6/2016	
2/14/2017	
2/15/2017	<0.0005
4/14/2017	
4/17/2017	<0.0005
4/18/2017	
5/26/2017	<0.0005
6/2/2017	
7/10/2017	
7/11/2017	<0.0005
7/14/2017	
3/26/2018	
3/27/2018	<0.0005
2/25/2019	
2/28/2019	
4/1/2019	<0.0005
4/2/2019	
9/24/2019	<0.0005
2/19/2020	
2/20/2020	<0.0005
2/21/2020	
3/18/2020	
3/19/2020	<0.0005
9/3/2020	
9/23/2020	
9/24/2020	<0.0005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.0005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.0005
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.0005
8/19/2021	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.0005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.0005
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.0005
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.04					<0.05			
6/7/2016							0.37	1.1	
8/9/2016	0.0336 (J)								
8/10/2016						0.0876 (J)			
8/11/2016									
8/12/2016								0.867	
8/16/2016							0.525		
8/22/2016		0.0132 (J)							
10/3/2016	0.0226 (J)								
10/4/2016		0.0065 (J)				0.0145 (J)			
10/6/2016								0.863	
10/7/2016							0.492		
11/29/2016	0.0085 (J)								
12/1/2016		<0.04				0.0146 (J)			
12/5/2016								0.879	
12/6/2016							0.515		
1/10/2017		<0.04							
2/13/2017	<0.04								
2/14/2017		<0.04				0.0114 (J)			
2/15/2017								0.886	
2/16/2017							0.482		
4/13/2017	0.0084 (J)					0.0195 (J)			
4/14/2017		<0.04							
4/18/2017							0.515	0.941	
5/25/2017	0.01 (J)	<0.04				0.0179 (J)			
5/30/2017									
6/2/2017							0.513	1.02	
7/7/2017	0.009 (J)					0.019 (J)			
7/10/2017		<0.04							
7/12/2017							0.508		
7/13/2017								0.945	
7/14/2017									
10/9/2017	0.0063 (J)					0.0271 (J)			
10/10/2017		<0.04						0.908	
10/11/2017							0.486		
6/12/2018	0.0058 (J)	0.0056 (J)							
6/14/2018							0.54	1	
10/16/2018	0.0066 (J)	0.0071 (J)				0.0088 (J)			
10/17/2018								1	
10/18/2018							0.49		
4/1/2019	0.0076 (J)	0.0048 (J)						0.86 (J)	
4/2/2019						0.037 (J)	0.51 (J)		
4/3/2019			0.66 (o)						
5/2/2019	0.015 (J)								
7/9/2019			0.027 (J)						
9/23/2019	0.0069 (J)	0.0052 (J)				0.0099 (J)			
9/25/2019							0.49	1.1	
9/26/2019									
9/27/2019			0.033 (J)						
2/18/2020						0.017 (J)			
2/19/2020		0.0057 (J)							
2/21/2020			0.02 (J)						

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/18/2020	0.016 (J)	0.0054 (J)							
3/19/2020						0.021 (J)		1	
3/20/2020			0.043 (J)						
3/23/2020							0.5		
5/22/2020				0.024 (J)					0.54
5/25/2020					0.018 (J)				
6/23/2020				0.019 (J)	0.015 (J)				0.45
7/28/2020				0.03 (J)	0.024 (J)				0.97
9/2/2020				0.022 (J)					1.1
9/3/2020					0.022 (J)				
9/23/2020	0.0086 (J)	<0.04				0.0081 (J)			
9/24/2020							0.47		
9/25/2020			0.02 (J)					1	
10/1/2020				0.025 (J)	0.027 (J)				1.2
11/10/2020				0.025 (J)	0.032 (J)				1.1
12/15/2020				0.031 (J)	0.034 (J)				1.2
1/20/2021				0.022 (J)	0.034 (J)				1.1
3/23/2021		<0.04							
3/24/2021								1.2	0.6
3/25/2021				0.017 (J)	0.026 (J)				
3/26/2021	0.0094 (J)								
3/30/2021							0.56		
3/31/2021						0.013 (J)			
4/1/2021			0.0069 (J)						
8/16/2021	0.013 (J)	<0.04		0.021 (J)	0.034 (J)	0.012 (J)			
8/18/2021							0.51	1.2	1.3
8/25/2021			0.0093 (J)						
2/9/2022	0.0099 (J)			0.017 (J)	0.038 (J)	0.019 (J)			0.57
2/10/2022		0.012 (J)							
2/11/2022							0.5	1.2	
2/16/2022			0.01 (J)						
7/26/2022	0.014 (J)	0.013 (J)		0.022 (J)	0.017 (J)	0.017 (J)			1.3
7/27/2022								1.2	
7/28/2022							0.52		
8/3/2022			0.015 (J)						
1/24/2023	0.01 (J)	<0.04		0.016 (J)	0.014 (J)				
1/25/2023						0.02 (J)			
1/26/2023								1.3	0.69
1/27/2023							0.53		
2/2/2023			0.0092 (J)						

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	1.7
8/9/2016	
8/10/2016	
8/11/2016	1.37
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	1.49
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	1.65
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	1.73
4/13/2017	
4/14/2017	
4/18/2017	1.77
5/25/2017	
5/30/2017	1.52
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	1.26
10/9/2017	
10/10/2017	
10/11/2017	1.36
6/12/2018	1.3
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	1.3
4/1/2019	
4/2/2019	1.1
4/3/2019	
5/2/2019	
7/9/2019	
9/23/2019	
9/25/2019	
9/26/2019	1.5
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/18/2020	
3/19/2020	1.3
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	1.3
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	1.3
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	1.5
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	1.5
2/16/2022	
7/26/2022	
7/27/2022	1.7
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	1.6
1/27/2023	
2/2/2023	

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	1.5								
6/8/2016		1.2	0.49	2.6	0.12	7.6			0.029 (J)
6/9/2016							12	26	
8/11/2016	1.41								
8/12/2016		0.895	0.647	2.74					
8/15/2016									0.0228 (J)
8/18/2016					0.191	8.37	5.2	22	
10/7/2016	1.76	1.33	0.868						
10/10/2016				3	0.13	9.46	6.13	18.1	0.0305 (J)
12/6/2016	1.79	1.5							
12/7/2016			0.51	3.08			5.7	9.19	
12/8/2016					0.144	11.1			0.0164 (J)
1/23/2017									
2/7/2017									
2/16/2017	1.63	0.753	0.68						
2/17/2017				3.63	0.0685	12.2			
2/20/2017							5.7	31.4	0.0154 (J)
3/27/2017									
4/17/2017									
4/19/2017	1.47	0.762	0.701	4.68	0.0743		8.79	31.4	
4/20/2017						13.3			0.0283 (J)
5/22/2017									
5/30/2017	1.7								
6/1/2017		0.663	0.383	3.57	0.0499				0.0467
6/5/2017						9.19	6.39	29	
7/11/2017									
7/14/2017	1.26	0.787	0.645						
7/17/2017							7.06	33.8	0.0171 (J)
7/18/2017				3.37	0.0544				
7/19/2017						10.6			
8/23/2017									
10/10/2017									
10/11/2017	1.37	0.889	0.594	3.54			7.18	31.7	0.0141 (J)
10/12/2017					0.0494	12.7			
6/13/2018				3.6			8.3	30.1	
6/14/2018	1.4	0.75			0.035 (J)	11			0.017 (J)
6/15/2018			0.44						
10/17/2018	1.4								
10/18/2018		0.8							
10/19/2018			0.65		0.028 (J)				
10/22/2018				3.6		16.1	9	44.7	0.03 (J)
4/2/2019	0.95 (J)	0.56 (J)							
4/3/2019			0.51	2.6	0.12	7.9	6.5	23.3	
4/4/2019									0.02 (J)
5/2/2019						10.1			
9/26/2019	2.5	1.1	0.96	4.4					
9/27/2019						16.4	12		
9/30/2019					0.04 (J)			36.8	0.038 (J)
2/25/2020						11.2			
2/26/2020									
3/19/2020	1								
3/20/2020		0.53	0.29		0.03 (J)	11.1			

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/23/2020				3.5			13		
3/24/2020									0.032 (J)
3/25/2020								34.5	
9/24/2020	1.5	0.72			0.037 (J)	18.8	13.7		
9/25/2020								30.8	
9/28/2020			0.4	3.7					0.049 (J)
3/24/2021	1.1	0.5							
3/25/2021									
3/26/2021			0.24				15.8	31	0.17
3/29/2021				4.1	0.038 (J)	17.3			
7/19/2021						17.8	14	24	
7/20/2021									
8/19/2021	1.3	0.57							0.038 (J)
8/20/2021			0.29	3.3	0.045				
8/23/2021						17.2	14.4	22.8	
11/1/2021						18.3	17	25.8	
2/11/2022	1.2								
2/14/2022							18.1		
2/15/2022						19.3		28.5	
2/16/2022		0.56	0.35	4.2	0.053				0.048
7/27/2022	1.2	0.53	0.43	3.8					0.051
7/28/2022					0.035 (J)				
8/1/2022							14.8		
8/2/2022						21.5		0.52	
10/21/2022								19.7 (R)	
1/26/2023	1	0.45							
1/27/2023			0.18		0.026 (J)				0.029 (J)
1/30/2023				4.7					
2/1/2023								18.4	
2/2/2023							13.1		
2/7/2023						16.9			

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	18.6
2/7/2017	20.4
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	19.1
4/17/2017	21.8
4/19/2017	
4/20/2017	
5/22/2017	26
5/30/2017	
6/1/2017	
6/5/2017	18.6
7/11/2017	25
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	20.2
10/10/2017	17
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	8.5
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	9.5
4/2/2019	6.1 (J)
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	2.4
9/30/2019	
2/25/2020	
2/26/2020	1.5
3/19/2020	
3/20/2020	

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	2.4
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	2.1
9/28/2020	
3/24/2021	
3/25/2021	1.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	1.4
8/19/2021	2.6
8/20/2021	
8/23/2021	
11/1/2021	3.2
2/11/2022	
2/14/2022	3.5
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	2.7
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	3.2
2/2/2023	
2/7/2023	

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					9.7				
10/18/2018	1.1								
10/19/2018			0.19						
10/22/2018		4		8.8					
4/2/2019					6.7 (J)				
4/4/2019	0.59 (J)		0.15	8.3					
4/5/2019		4.6 (J)							
5/3/2019		3.4							
9/24/2019	0.72		0.26						
9/26/2019		6.1		10					
9/27/2019					6.8				
11/15/2019		6.3							
12/13/2019								13.4	
12/16/2019									2.5
2/25/2020				6.5		2.3			
2/26/2020					2.8				
2/27/2020							11		
3/23/2020	0.68				3.4				
3/24/2020		3	0.22			2	12.3	3.2	
3/25/2020				4.1					1.9
5/4/2020									
9/2/2020							7.8		
9/25/2020		5.5		3.2		1.6			
9/28/2020	0.66		0.28		4.8				
9/29/2020								11.1	2.7
3/25/2021					5.9				
3/26/2021				11.2		1.5			
3/29/2021	0.7						6.8		
3/30/2021		5.2	0.27						3.6
3/31/2021								6.7	
8/19/2021							5.5		
8/20/2021	0.72			8.8		1.4			
8/23/2021					5.3				
8/24/2021			0.36					9	3.4
8/25/2021		4							
11/1/2021							6.5		
2/14/2022					5.7		7.9		
2/15/2022									
2/16/2022	0.73	4.2	0.38					9	3.9
2/17/2022				12.2		1.3			
7/28/2022	0.69		0.4	11		1.3			2.9
7/29/2022		3.8			4.6				
8/2/2022							7.1	10.5	
1/27/2023	0.74								
1/30/2023			0.45	13.8		1.4			
1/31/2023		4.2							3
2/1/2023					3.8				
2/2/2023								5.1	
2/7/2023							1.8		

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	1.1
9/2/2020	0.91
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	1.1
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	1.1
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	1.2
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	1.3
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	1.5
2/2/2023	
2/7/2023	

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.02
6/8/2016								1.7	
8/10/2016									0.117
8/11/2016								1.95	
10/4/2016									0.177
10/5/2016									
10/6/2016								2.06	
12/2/2016									0.0668
12/5/2016									
12/6/2016								2.05	
2/14/2017									0.122
2/15/2017								2.01	
4/14/2017									0.054
4/17/2017									
4/18/2017								2.58	
5/26/2017									0.0817
6/2/2017								2.22	
7/10/2017									0.0534
7/11/2017									
7/14/2017								1.85	
10/10/2017									0.0515
10/11/2017								1.72	
6/12/2018									0.074
6/13/2018								1.8	
10/16/2018									0.16
10/17/2018									
10/18/2018								1.9	
4/1/2019									0.046 (J)
4/2/2019								1.4	
9/24/2019								1.6	0.06
3/18/2020									0.058
3/19/2020								1.4	
5/4/2020		14.1	0.12						
5/11/2020	2.4								
5/20/2020	2.2	15.9							
9/3/2020	1.6	14.6	0.083 (J)						
9/23/2020									0.054 (J)
9/24/2020									
9/25/2020								1.3	
1/28/2021						24.9	9.7		
3/24/2021									0.04 (J)
3/29/2021		12.8							
3/30/2021						23.3	9.7	1.4	
3/31/2021			0.038 (J)						
4/1/2021	1.9								
4/19/2021				7.8	0.16				
7/20/2021		12.2							
8/18/2021			0.048		0.041				0.093
8/19/2021								1.3	
8/20/2021	1.9								
8/23/2021		13.3				21.1	7.7		

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/24/2021				8					
2/9/2022			0.033 (J)		0.034 (J)				
2/10/2022									0.051
2/11/2022								1.2	
2/14/2022						4.5	1.2		
2/15/2022		14.4							
2/17/2022	1.9			7.5					
7/26/2022			0.036 (J)		0.035 (J)				0.052
7/28/2022	1.9						0.87	1.1	
8/1/2022		14.4		7.5		2.9			
1/25/2023			0.053		0.045				
1/26/2023								1	0.051
1/30/2023	1.7								
1/31/2023						2.4	1.1		
2/1/2023				7.5					
2/7/2023		6.9							

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.55
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.612
10/4/2016	
10/5/2016	0.659
10/6/2016	
12/2/2016	
12/5/2016	0.71
12/6/2016	
2/14/2017	
2/15/2017	0.707
4/14/2017	
4/17/2017	0.675
4/18/2017	
5/26/2017	0.711
6/2/2017	
7/10/2017	
7/11/2017	0.633
7/14/2017	
10/10/2017	0.619
10/11/2017	
6/12/2018	0.56
6/13/2018	
10/16/2018	
10/17/2018	0.61
10/18/2018	
4/1/2019	0.5
4/2/2019	
9/24/2019	0.51
3/18/2020	
3/19/2020	0.41
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.44
9/25/2020	
1/28/2021	
3/24/2021	0.45
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	0.47
8/19/2021	
8/20/2021	
8/23/2021	

Time Series

Constituent: Boron (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/24/2021	
2/9/2022	
2/10/2022	0.46
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.47
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.41
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.0005					<0.0005			
6/7/2016							<0.0005	<0.0005	
8/9/2016	<0.0005								
8/10/2016						<0.0005			
8/11/2016									
8/12/2016								<0.0005	
8/16/2016							<0.0005		
8/22/2016		<0.0005							
10/3/2016	<0.0005								
10/4/2016		<0.0005				<0.0005			
10/6/2016								<0.0005	
10/7/2016							<0.0005		
11/29/2016	<0.0005								
12/1/2016		<0.0005				<0.0005			
12/5/2016								<0.0005	
12/6/2016							<0.0005		
1/10/2017		9E-05 (J)							
2/13/2017	<0.0005								
2/14/2017		<0.0005				<0.0005			
2/15/2017								<0.0005	
2/16/2017							<0.0005		
4/13/2017	<0.0005					<0.0005			
4/14/2017		<0.0005							
4/18/2017							<0.0005	<0.0005	
5/25/2017	<0.0005	<0.0005				<0.0005			
5/30/2017									
6/2/2017							<0.0005	<0.0005	
7/7/2017	<0.0005					<0.0005			
7/10/2017		<0.0005							
7/12/2017							<0.0005		
7/13/2017								<0.0005	
7/14/2017									
3/26/2018	<0.0005	<0.0005							
3/27/2018							<0.0005		
3/28/2018								<0.0005	
6/12/2018	<0.0005	<0.0005							
6/14/2018							<0.0005	<0.0005	
10/16/2018	<0.0005	<0.0005				<0.0005			
10/17/2018								<0.0005	
10/18/2018							<0.0005		
2/25/2019	<0.0005								
2/27/2019		<0.0005							
2/28/2019							<0.0005	<0.0005	
4/1/2019	<0.0005	<0.0005						<0.0005	
4/2/2019						<0.0005	<0.0005		
4/3/2019			<0.0005						
9/23/2019	<0.0005	<0.0005				<0.0005			
9/25/2019							<0.0005	<0.0005	
9/26/2019									
9/27/2019			<0.0005						
2/18/2020	<0.0005					<0.0005			
2/19/2020		<0.0005							

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							<0.0005		
2/21/2020			<0.0005						
2/24/2020								<0.0005	
3/18/2020	<0.0005	<0.0005							
3/19/2020						<0.0005		<0.0005	
3/20/2020			<0.0005						
3/23/2020							<0.0005		
5/22/2020				<0.0005					<0.0005
5/25/2020					<0.0005				
6/23/2020				<0.0005	<0.0005				<0.0005
7/28/2020				<0.0005	<0.0005				<0.0005
9/2/2020				<0.0005					0.00014 (J)
9/3/2020					<0.0005				
9/23/2020	<0.0005	<0.0005				<0.0005			
9/24/2020							<0.0005		
9/25/2020			<0.0005					<0.0005	
10/1/2020				<0.0005	<0.0005				0.00019 (J)
11/10/2020				<0.0005	<0.0005				0.00019 (J)
12/15/2020				<0.0005	<0.0005				0.00017
1/20/2021				<0.0005	<0.0005				<0.0005
2/16/2021	<0.0005	<0.0005							
2/17/2021				<0.0005	<0.0005				
2/18/2021						<0.0005	<0.0005		<0.0005
2/19/2021			<0.0005					<0.0005	
3/23/2021		<0.0005							
3/24/2021								<0.0005	0.00016 (J)
3/25/2021				<0.0005	<0.0005				
3/26/2021	0.00018 (J)								
3/30/2021							<0.0005		
3/31/2021						<0.0005			
4/1/2021			<0.0005						
8/16/2021	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
8/18/2021							<0.0005	<0.0005	0.00021 (J)
8/25/2021			<0.0005						
2/9/2022	<0.0005			<0.0005	<0.0005	<0.0005			0.00021 (J)
2/10/2022		<0.0005							
2/11/2022							<0.0005	<0.0005	
2/16/2022			<0.0005						
7/26/2022	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			0.0004 (J)
7/27/2022								<0.0005	
7/28/2022							<0.0005		
8/3/2022			<0.0005						
1/24/2023	<0.0005	<0.0005		<0.0005	<0.0005				
1/25/2023						<0.0005			
1/26/2023								<0.0005	<0.0005
1/27/2023							<0.0005		
2/2/2023			<0.0005						

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	0.0011 (J)
8/9/2016	
8/10/2016	
8/11/2016	0.0011
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0012
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.0012
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0015
4/13/2017	
4/14/2017	
4/18/2017	0.0012
5/25/2017	
5/30/2017	0.0011
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0012
3/26/2018	
3/27/2018	0.0013
3/28/2018	
6/12/2018	0.0011
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.0012
2/25/2019	0.0016
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0014
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.0017 (J)
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.0019 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.0017 (J)
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.0018 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0018
2/19/2021	
3/23/2021	
3/24/2021	0.0018
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.0018
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.0019
2/16/2022	
7/26/2022	
7/27/2022	0.0024
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.0021
1/27/2023	
2/2/2023	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.0005								
6/8/2016		0.00063 (J)	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
6/9/2016							<0.0005	0.00052 (J)	
8/11/2016	0.0001 (J)								
8/12/2016		0.0004 (J)	<0.0005	<0.0005					
8/15/2016									<0.0005
8/18/2016					<0.0005	<0.0005	<0.0005	0.0009 (J)	
10/7/2016	0.0002 (J)	0.0008 (J)	0.0001 (J)						
10/10/2016				<0.0005	<0.0005	<0.0005	<0.0005	0.0017	<0.0005
12/6/2016	0.0001 (J)	0.0006 (J)							
12/7/2016			<0.0005	<0.0005			<0.0005	0.0004 (J)	
12/8/2016					<0.0005	0.0002 (J)			<0.0005
1/23/2017									
2/7/2017									
2/16/2017	0.0001 (J)	0.0002 (J)	<0.0005						
2/17/2017				8E-05 (J)	<0.0005	<0.0005			
2/20/2017							<0.0005	0.0028	<0.0005
3/27/2017									
4/17/2017									
4/19/2017	0.0001 (J)	9E-05 (J)	<0.0005	<0.0005	<0.0005		<0.0005	0.0035	
4/20/2017						<0.0005			<0.0005
5/22/2017									
5/30/2017	0.0002 (J)								
6/1/2017		0.0003 (J)	0.0001 (J)	<0.0005	<0.0005				<0.0005
6/5/2017						<0.0005	<0.0005	0.0035	
7/11/2017									
7/14/2017	0.0002 (J)	0.0002 (J)	<0.0005						
7/17/2017							<0.0005	0.0037	<0.0005
7/18/2017				<0.0005	<0.0005				
7/19/2017						<0.0005			
8/23/2017									
3/26/2018									
3/27/2018	<0.0005	<0.0005	<0.0005						
3/28/2018				<0.0005	<0.0005				<0.0005
3/29/2018						<0.0005	<0.0005	0.0063	
6/13/2018				<0.0005			<0.0005	0.0053	
6/14/2018	0.00015 (J)	<0.0005			<0.0005	<0.0005			<0.0005
6/15/2018			<0.0005						
10/17/2018	<0.0005								
10/18/2018		0.00032 (J)							
10/19/2018			<0.0005		<0.0005				
10/22/2018				<0.0005		<0.0005	<0.0005	0.0053	<0.0005
2/27/2019	<0.0005	<0.0005		<0.0005					
3/1/2019			<0.0005			0.00013 (J)	0.00019 (J)	0.0058	<0.0005
4/2/2019	<0.0005	7.3E-05 (J)							
4/3/2019			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0053	
4/4/2019									<0.0005
9/26/2019	0.00015 (J)	<0.0005	0.0002 (J)	<0.0005					
9/27/2019						<0.0005	<0.0005		
9/30/2019					<0.0005			0.0075	<0.0005
2/24/2020	<0.0005	0.00024 (J)	<0.0005	<0.0005					
2/25/2020						<0.0005	<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					<0.0005			0.0064	<0.0005
3/19/2020	<0.0005								
3/20/2020		<0.0005	<0.0005		<0.0005	<0.0005			
3/23/2020				<0.0005			<0.0005		
3/24/2020									<0.0005
3/25/2020								0.0082	
9/24/2020	0.00024 (J)	<0.0005			<0.0005	0.00033 (J)	<0.0005		
9/25/2020								0.0081	
9/28/2020			<0.0005	<0.0005					<0.0005
2/18/2021	<0.0005	<0.0005	<0.0005	<0.0005					
2/19/2021					<0.0005	0.00038 (J)	<0.0005	0.0068	
2/23/2021									<0.0005
3/8/2021									
3/24/2021	<0.0005	<0.0005							
3/25/2021									
3/26/2021			<0.0005				<0.0005	0.0062	<0.0005
3/29/2021				<0.0005	<0.0005	<0.0005			
8/19/2021	0.00017 (J)	<0.0005							<0.0005
8/20/2021			<0.0005	<0.0005	<0.0005				
8/23/2021						0.00019 (J)	<0.0005	0.0039	
2/11/2022	0.00016 (J)								
2/14/2022							<0.0005		
2/15/2022						0.0002 (J)		0.0042	
2/16/2022		<0.0005	<0.0005	<0.0005	<0.0005				<0.0005
7/27/2022	0.00029 (J)	<0.0005	<0.0005	<0.0005					<0.0005
7/28/2022					<0.0005				
8/1/2022							<0.0005		
8/2/2022						0.00012 (J)		0.00026 (J)	
10/21/2022								0.0031 (R)	
1/26/2023	<0.0005	<0.0005							
1/27/2023			<0.0005		<0.0005				<0.0005
1/30/2023				<0.0005					
2/1/2023								0.0032	
2/2/2023							<0.0005		
2/7/2023						0.001			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0003 (J)
2/7/2017	0.0006 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0003 (J)
4/17/2017	0.0002 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0003 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0003 (J)
7/11/2017	0.0005 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0004 (J)
3/26/2018	<0.0005
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.0002 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	<0.0005
2/27/2019	
3/1/2019	<0.0005
4/2/2019	7.9E-05 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	<0.0005
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	<0.0005
3/19/2020	
3/20/2020	
3/23/2020	<0.0005
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.0005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.0005
3/24/2021	
3/25/2021	<0.0005
3/26/2021	
3/29/2021	
8/19/2021	<0.0005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.0005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.0005
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.0005
2/2/2023	
2/7/2023	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					<0.0005				
10/18/2018	<0.0005								
10/19/2018			<0.0005						
10/22/2018		<0.0005		<0.0005					
4/2/2019					<0.0005				
4/4/2019	<0.0005		<0.0005	<0.0005					
4/5/2019		<0.0005							
9/24/2019	<0.0005		<0.0005						
9/26/2019		<0.0005		<0.0005					
9/27/2019					<0.0005				
2/25/2020				<0.0005		<0.0005			
2/26/2020	<0.0005				<0.0005				
2/27/2020		<0.0005	<0.0005				0.00081 (J)	<0.0005	
2/28/2020									<0.0005
3/23/2020	<0.0005				<0.0005				
3/24/2020		<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	
3/25/2020				<0.0005					<0.0005
9/2/2020							0.00032 (J)		
9/25/2020		<0.0005		<0.0005		<0.0005			
9/28/2020	<0.0005		<0.0005		<0.0005				
9/29/2020								0.0002 (J)	<0.0005
2/19/2021			<0.0005						
2/22/2021	<0.0005			<0.0005		<0.0005		0.00014 (J)	<0.0005
2/23/2021		<0.0005							
3/8/2021					<0.0005				
3/9/2021							<0.0005		
3/25/2021					<0.0005				
3/26/2021				<0.0005		<0.0005			
3/29/2021	<0.0005						<0.0005		
3/30/2021		<0.0005	<0.0005						<0.0005
3/31/2021								0.00018 (J)	
8/19/2021							<0.0005		
8/20/2021	<0.0005			<0.0005		<0.0005			
8/23/2021					<0.0005				
8/24/2021			<0.0005					0.00031 (J)	<0.0005
8/25/2021		<0.0005							
2/14/2022					<0.0005		<0.0005		
2/15/2022									
2/16/2022	<0.0005	<0.0005	<0.0005					0.00012 (J)	<0.0005
2/17/2022				<0.0005		<0.0005			
7/28/2022	<0.0005		<0.0005	<0.0005		<0.0005			<0.0005
7/29/2022		<0.0005			<0.0005				
8/2/2022							<0.0005	<0.0005	
1/27/2023	<0.0005								
1/30/2023			<0.0005	<0.0005		<0.0005			
1/31/2023		<0.0005							<0.0005
2/1/2023					<0.0005				
2/2/2023								<0.0005	
2/7/2023							<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.0005
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.0005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.0005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.0005
8/25/2021	
2/14/2022	
2/15/2022	<0.0005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.0005
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.0005
2/2/2023	
2/7/2023	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.0005
6/8/2016								<0.0005	
8/10/2016									<0.0005
8/11/2016								<0.0005	
10/4/2016									<0.0005
10/5/2016									
10/6/2016								<0.0005	
12/2/2016									<0.0005
12/5/2016									
12/6/2016								<0.0005	
2/14/2017									<0.0005
2/15/2017								<0.0005	
4/14/2017									<0.0005
4/17/2017									
4/18/2017								<0.0005	
5/26/2017									<0.0005
6/2/2017								<0.0005	
7/10/2017									<0.0005
7/11/2017									
7/14/2017								<0.0005	
3/26/2018									<0.0005
3/27/2018								<0.0005	
6/12/2018									<0.0005
6/13/2018								<0.0005	
10/16/2018									<0.0005
10/17/2018									
10/18/2018								<0.0005	
2/25/2019									<0.0005
2/28/2019								<0.0005	
4/1/2019									<0.0005
4/2/2019								<0.0005	
9/24/2019								<0.0005	<0.0005
2/19/2020									<0.0005
2/20/2020									
2/21/2020								<0.0005	
3/18/2020									<0.0005
3/19/2020								<0.0005	
9/3/2020	<0.0005	0.0011 (J)	<0.0005						
9/23/2020									<0.0005
9/24/2020									
9/25/2020								<0.0005	
1/28/2021						0.00031 (J)	0.00025 (J)		
2/16/2021									<0.0005
2/17/2021									
2/18/2021				<0.0005				<0.0005	
2/22/2021	<0.0005								
2/23/2021						0.00043 (J)	<0.0005		
3/8/2021		0.0003 (J)							
3/24/2021									<0.0005
3/29/2021		0.00019 (J)							
3/30/2021						0.0007	0.00018 (J)	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			<0.0005						
4/1/2021	<0.0005								
4/19/2021				<0.0005	<0.0005				
8/18/2021			<0.0005		<0.0005				<0.0005
8/19/2021								<0.0005	
8/20/2021	<0.0005								
8/23/2021		0.00036 (J)				0.00043 (J)	0.00018 (J)		
8/24/2021				<0.0005					
2/9/2022			<0.0005		<0.0005				
2/10/2022									<0.0005
2/11/2022								<0.0005	
2/14/2022						<0.0005	<0.0005		
2/15/2022		0.0015							
2/17/2022	<0.0005			<0.0005					
7/26/2022			<0.0005		<0.0005				<0.0005
7/28/2022	<0.0005						<0.0005	<0.0005	
8/1/2022		0.0011		<0.0005		<0.0005			
1/25/2023			<0.0005		<0.0005				
1/26/2023								<0.0005	<0.0005
1/30/2023	<0.0005								
1/31/2023						<0.0005	<0.0005		
2/1/2023				<0.0005					
2/7/2023		0.00014 (J)							

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.0005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.0005
10/4/2016	
10/5/2016	<0.0005
10/6/2016	
12/2/2016	
12/5/2016	<0.0005
12/6/2016	
2/14/2017	
2/15/2017	<0.0005
4/14/2017	
4/17/2017	<0.0005
4/18/2017	
5/26/2017	<0.0005
6/2/2017	
7/10/2017	
7/11/2017	<0.0005
7/14/2017	
3/26/2018	
3/27/2018	<0.0005
6/12/2018	<0.0005
6/13/2018	
10/16/2018	
10/17/2018	<0.0005
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	<0.0005
4/2/2019	
9/24/2019	<0.0005
2/19/2020	
2/20/2020	<0.0005
2/21/2020	
3/18/2020	
3/19/2020	<0.0005
9/3/2020	
9/23/2020	
9/24/2020	<0.0005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.0005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.0005
3/29/2021	
3/30/2021	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.0005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.0005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.0005
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.0005
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	39					59			
6/7/2016							50	90	
8/9/2016	32.2								
8/10/2016						56			
8/11/2016									
8/12/2016								76.6	
8/16/2016							49.2		
8/22/2016		21.4							
10/3/2016	34.1								
10/4/2016		20.9				51.4			
10/6/2016								78.7	
10/7/2016							52.6		
11/29/2016	29.7								
12/1/2016		19.8				55.9			
12/5/2016								80.9	
12/6/2016							55.4		
1/10/2017		20.4							
2/13/2017	31.2								
2/14/2017		20.9				51.1			
2/15/2017								90.7	
2/16/2017							53.2		
4/13/2017	30.5					53.4			
4/14/2017		20.7 (J)							
4/18/2017							58	94.8	
5/25/2017	33.8	22.8 (J)				59.8			
5/30/2017									
6/2/2017							55.8	108	
7/7/2017	33.1					57.8			
7/10/2017		22.3							
7/12/2017							58.1		
7/13/2017								111	
7/14/2017									
10/9/2017	33.6					58.9			
10/10/2017		4.09						93	
10/11/2017							55.7		
6/12/2018	32.4	20.3 (J)							
6/14/2018							58.4	109	
10/16/2018	34.6	19.4 (J)				55.6			
10/17/2018								110	
10/18/2018							57.8		
4/1/2019	48.2	24.6						94.8	
4/2/2019						64.1	57.8		
4/3/2019			44.9						
5/2/2019	44.8								
9/23/2019	36.3	19.2				57.9			
9/25/2019							58.1	115	
9/26/2019									
9/27/2019			41.2						
2/18/2020						66.3			
2/19/2020		20.8							
2/21/2020			50.1						
3/18/2020	40.1	22.4							

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/19/2020						67.8		120	
3/20/2020			52.2						
3/23/2020							61.1		
5/22/2020				74					73.4
5/25/2020					36.5				
6/23/2020				99.5	39.4				80.1
7/28/2020				96.2	40.3				140
9/2/2020				109					159
9/3/2020					51.8				
9/23/2020	45.2	20.1				67.3			
9/24/2020							58.8		
9/25/2020			51.8					135	
10/1/2020				107	61.9				162
11/10/2020				117	80.3				170
12/15/2020				110	70.3				169
1/20/2021				111	67.5				157
3/23/2021		22.1							
3/24/2021								144	91.9
3/25/2021				109	68.3				
3/26/2021	46.7								
3/30/2021							61.3		
3/31/2021						63.4			
4/1/2021			49.5						
8/16/2021	48.3	21.5		108	61	66.2			
8/18/2021							61.1	156	166
8/25/2021			46.3						
2/9/2022	52.3			112	46.3	65.7			97.5
2/10/2022		20.3							
2/11/2022							66.2	164	
2/16/2022			47.5						
7/26/2022	46.7	20		105	34.5	66.1			185
7/27/2022								175	
7/28/2022							63		
8/3/2022			69.4						
1/24/2023	51.4	21		109	40.7				
1/25/2023						68.4			
1/26/2023								178	117
1/27/2023							64		
2/2/2023			81.4						

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	120
8/9/2016	
8/10/2016	
8/11/2016	111
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	103
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	117
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	124
4/13/2017	
4/14/2017	
4/18/2017	120
5/25/2017	
5/30/2017	111
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	109
10/9/2017	
10/10/2017	
10/11/2017	109
6/12/2018	104
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	112
4/1/2019	
4/2/2019	117
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	136
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
3/19/2020	130
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	141
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	140
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	139
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	160
2/16/2022	
7/26/2022	
7/27/2022	194
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	178
1/27/2023	
2/2/2023	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	65								
6/8/2016		76	55	200	43	350			32
6/9/2016							300	800	
8/11/2016	61								
8/12/2016		61.7	61.2	196					
8/15/2016									33.1
8/18/2016					38.6	370	290	730	
10/7/2016	71	84.7	70.2						
10/10/2016				198	37.5	375	296	680	41
12/6/2016	68.7	88.1							
12/7/2016			48.6	215			271	387	
12/8/2016					43.4	434			38.5
1/23/2017									
2/7/2017									
2/16/2017	65.5	53.7	64.7						
2/17/2017				221	41	434			
2/20/2017							323	823	40.7
3/27/2017									
4/17/2017									
4/19/2017	68.9	57.1	69.5	240	39.4		298	893 (J)	
4/20/2017						422			40.7
5/22/2017									
5/30/2017	72.6								
6/1/2017		44.8	50.8	286	42.3				44.2
6/5/2017						398	310	1080	
7/11/2017									
7/14/2017	70.6	60	67						
7/17/2017							319	1120	41.9
7/18/2017				244	40.9				
7/19/2017						461			
8/23/2017									
10/10/2017									
10/11/2017	67.3	67	57.3	222			438	1310	41.1
10/12/2017					43.3	515			
6/13/2018				234			385	970	
6/14/2018	65.7	53.1			39.4	482			44.8
6/15/2018			49.7						
10/17/2018	69.7								
10/18/2018		60.4							
10/19/2018			63.1		40.6				
10/22/2018				241		575	424	1150	52.2
4/2/2019	63.9	53.3							
4/3/2019			51.3	220	43.4	458	396	945	
4/4/2019									54.8
5/2/2019						647			
9/26/2019	94.2	91.7	80.8	243					
9/27/2019						658	533		
9/30/2019					43.2			1050	47.8
2/25/2020						445			
2/26/2020									
3/19/2020	68.1								
3/20/2020		49.3	52.1		48.2	514			

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/23/2020				253			602		
3/24/2020									49.6
3/25/2020								1100	
9/24/2020	84.9	68.7			42	750	647		
9/25/2020								998	
9/28/2020			50.1	273					50.7
3/24/2021	72	48.2							
3/25/2021									
3/26/2021			46.4				717	821	52.8
3/29/2021				296	46.6	714			
7/19/2021						693	728	717	
7/20/2021									
8/19/2021	74	49.2							51.2
8/20/2021			47.2	262	45.1				
8/23/2021						681	638	827	
11/1/2021						708	695	808	
2/11/2022	83.5								
2/14/2022							740		
2/15/2022						680		791	
2/16/2022		49	60.5	288	44.1				51.4
7/27/2022	80.9	65.9	63.2	284					52.1
7/28/2022					43.1				
8/1/2022							559		
8/2/2022						717		90	
10/21/2022								600 (R)	
1/26/2023	76.2	41.4							
1/27/2023			39.3		46.5				48.8
1/30/2023				309					
2/1/2023								552	
2/2/2023							543		
2/7/2023						583			

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	372
2/7/2017	351
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	417
4/17/2017	415
4/19/2017	
4/20/2017	
5/22/2017	885
5/30/2017	
6/1/2017	
6/5/2017	413
7/11/2017	449
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	409
10/10/2017	339
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	198
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	230
4/2/2019	181
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	103
9/30/2019	
2/25/2020	
2/26/2020	85.3
3/19/2020	
3/20/2020	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	107
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	93.3
9/28/2020	
3/24/2021	
3/25/2021	81.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	87.8
8/19/2021	109
8/20/2021	
8/23/2021	
11/1/2021	108
2/11/2022	
2/14/2022	129
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	111
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	113
2/2/2023	
2/7/2023	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					262				
10/18/2018	90.1								
10/19/2018			105						
10/22/2018		234		384					
4/2/2019					200				
4/4/2019	69.3		104	442					
4/5/2019		265							
5/3/2019		203							
9/24/2019	70.7		102						
9/26/2019		290		417					
9/27/2019					184				
11/15/2019		346							
12/13/2019								558	
12/16/2019									162
2/25/2020				341		107			
2/26/2020					107				
2/27/2020							268		
3/23/2020	72.5				122				
3/24/2020		210	112			112	314	161	
3/25/2020				234					160
5/4/2020									
9/2/2020							228		
9/25/2020		338		169		99.9			
9/28/2020	77.8		117		165				
9/29/2020								576	165
3/25/2021					162				
3/26/2021				529		103			
3/29/2021	77.2						161		
3/30/2021		289	112						158
3/31/2021								336	
8/19/2021							124		
8/20/2021	78.7			379		100			
8/23/2021					174				
8/24/2021			110					439	150
8/25/2021		244							
11/1/2021							144		
2/14/2022					188		187		
2/15/2022									
2/16/2022	81.4	247	127					424	155
2/17/2022				483		112			
7/28/2022	75.4		123	403		109			138
7/29/2022		226			156				
8/2/2022							186	488	
1/27/2023	75.9								
1/30/2023			121	607		112			
1/31/2023		256							133
2/1/2023					132				
2/2/2023								267	
2/7/2023							61.3		

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	155
9/2/2020	159
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	166
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	173
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	198
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	202
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	228
2/2/2023	
2/7/2023	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									7.9
6/8/2016								140	
8/10/2016									36.8
8/11/2016								141	
10/4/2016									39.7
10/5/2016									
10/6/2016								147	
12/2/2016									37.8
12/5/2016									
12/6/2016								146	
2/14/2017									35.2
2/15/2017								163	
4/14/2017									37.5
4/17/2017									
4/18/2017								155	
5/26/2017									41.7
6/2/2017								156	
7/10/2017									39
7/11/2017									
7/14/2017								157	
10/10/2017									36.9
10/11/2017								137	
6/12/2018									38.1
6/13/2018								151	
10/16/2018									44.8
10/17/2018									
10/18/2018								154	
4/1/2019									47.2
4/2/2019								140	
9/24/2019								151	42.4
3/18/2020									43
3/19/2020								142	
5/4/2020		361	51.1						
5/11/2020	109								
5/20/2020	76.6	335							
9/3/2020	100	383	50.2						
9/23/2020									41.6
9/24/2020									
9/25/2020								138	
1/28/2021						624	350		
3/24/2021									42.1
3/29/2021		326							
3/30/2021						562	353	145	
3/31/2021			50.9						
4/1/2021	94								
4/19/2021				204	50.8				
7/20/2021		297							
8/18/2021			54.2		56.7				44.5
8/19/2021								141	
8/20/2021	99.7								
8/23/2021		349				561	286		

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/24/2021				238					
2/9/2022			49.1		60.3				
2/10/2022									44.9
2/11/2022								148	
2/14/2022						155	72.8		
2/15/2022		344							
2/17/2022	98.4			239					
7/26/2022			49.7		61.1				41.8
7/28/2022	93.4						52.3	136	
8/1/2022		350		236		112			
1/25/2023			24.3		65				
1/26/2023								146	42.8
1/30/2023	92.5								
1/31/2023						111	62.8		
2/1/2023				236					
2/7/2023		184							

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	66
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	65.2
10/4/2016	
10/5/2016	66.7
10/6/2016	
12/2/2016	
12/5/2016	74.6
12/6/2016	
2/14/2017	
2/15/2017	74.6
4/14/2017	
4/17/2017	65.6
4/18/2017	
5/26/2017	70.4
6/2/2017	
7/10/2017	
7/11/2017	66.9
7/14/2017	
10/10/2017	61.7
10/11/2017	
6/12/2018	53.4
6/13/2018	
10/16/2018	
10/17/2018	63
10/18/2018	
4/1/2019	59.3
4/2/2019	
9/24/2019	57.6
3/18/2020	
3/19/2020	61.5
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	59
9/25/2020	
1/28/2021	
3/24/2021	59.9
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	63
8/19/2021	
8/20/2021	
8/23/2021	

Time Series

Constituent: Calcium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/24/2021	
2/9/2022	
2/10/2022	65.6
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	66.3
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	62.4
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	2.9					5.6			
6/7/2016							19	44	
8/9/2016	2.5								
8/10/2016						5.3			
8/11/2016									
8/12/2016								43	
8/16/2016							20		
8/22/2016		4.2							
10/3/2016	2.5								
10/4/2016		2.1				5.6			
10/6/2016								41	
10/7/2016							21		
11/29/2016	2.6								
12/1/2016		1.8				6.2			
12/5/2016								41	
12/6/2016							22		
1/10/2017		1.6							
2/13/2017	2.1								
2/14/2017		1.9				8.8			
2/15/2017								39	
2/16/2017							22		
4/13/2017	2.1					10			
4/14/2017		1.5							
4/18/2017							21	39	
5/25/2017	2.4	1.5				11			
5/30/2017									
6/2/2017							20	37	
7/7/2017	1.9					12			
7/10/2017		1.6							
7/12/2017							23		
7/13/2017								38	
7/14/2017									
10/9/2017	1.9					18			
10/10/2017		1.7						38	
10/11/2017							24		
6/12/2018	3.4	1.8							
6/14/2018							23.1	30.5	
10/16/2018	3.3	1.5				10.7			
10/17/2018								30.7	
10/18/2018							26.9		
4/1/2019	4.2	1.6						24.1	
4/2/2019						9	24.1		
4/3/2019			5.2						
5/2/2019	4.3								
9/23/2019	3.1	1.2				8.6			
9/25/2019							25.1	23.6	
9/26/2019									
9/27/2019			394 (o)						
2/18/2020						8.2			
2/19/2020		1.3							
2/21/2020			2.6						
3/18/2020	3.1	1.4							

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/19/2020						7.8		20.5	
3/20/2020			4						
3/23/2020							20.8		
5/22/2020				6.6					32
5/25/2020					4				
6/23/2020				5.9	5.5				15.7
7/28/2020				5.9	4.6				20.6
9/2/2020				6					18.9
9/3/2020					6.3				
9/23/2020	4.2	1.1				8.4			
9/24/2020							25.4		
9/25/2020			3.3					20.2	
10/1/2020				6	7.5				18.6
11/10/2020				5.5	7.7				19.6
12/15/2020				6.3	8				20.7
1/20/2021				5.7	7.2				21.9
3/23/2021		1.2							
3/24/2021								18.4	14.1
3/25/2021				5.7	7.5				
3/26/2021	3.6								
3/30/2021							23.8		
3/31/2021						13.4			
4/1/2021			2.9						
8/16/2021	3.4	1.1		5.7	8	15.6			
8/18/2021							25.1	15.8	17.1
8/25/2021			3.3						
2/9/2022	3.7			5.4	8.9	10.1			10.8
2/10/2022		1.2							
2/11/2022							28.2	16.4	
2/16/2022			2.8						
7/26/2022	3.2	0.97 (J)		5.5	4.6	8.5			19.6
7/27/2022								16.2	
7/28/2022							30		
8/3/2022			3.4						
1/24/2023	3.4	1.5		5.2	4.3				
1/25/2023						10.1			
1/26/2023								14.5	10.9
1/27/2023							28.2		
2/2/2023			3.4						

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	37
8/9/2016	
8/10/2016	
8/11/2016	41
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	44
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	48
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	46
4/13/2017	
4/14/2017	
4/18/2017	41
5/25/2017	
5/30/2017	38
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	35
10/9/2017	
10/10/2017	
10/11/2017	36
6/12/2018	27.2
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	25.2
4/1/2019	
4/2/2019	20.3
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	28.7
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
3/19/2020	22
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	28.8
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	24
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	19.9
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	22.3
2/16/2022	
7/26/2022	
7/27/2022	23.1
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	18.3
1/27/2023	
2/2/2023	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	26								
6/8/2016		48	23	130	7.1	440			6.4
6/9/2016							480	1900	
8/11/2016	34								
8/12/2016		27	26	130					
8/15/2016									4.3
8/18/2016					6.9	500	400	1600	
10/7/2016	38	72	41						
10/10/2016				140	7.1	480	390	1400	3.5
12/6/2016	45	73							
12/7/2016			23	130			450	970	
12/8/2016					6.3	540			2.8
1/23/2017									
2/7/2017									
2/16/2017	40	19	31						
2/17/2017				140	5.6	570			
2/20/2017							470	1900	4.2
3/27/2017									
4/17/2017									
4/19/2017	38	13	30	140	5		420	1900	
4/20/2017						740			4.1
5/22/2017									
5/30/2017	41								
6/1/2017		8	13	130	4.9				4.4
6/5/2017						530	450	1900	
7/11/2017									
7/14/2017	36	11	19						
7/17/2017							470	2100	5
7/18/2017				140	4.2				
7/19/2017						540			
8/23/2017									
10/10/2017									
10/11/2017	45	24	19	130			510	1600	4.1
10/12/2017					4.8	700			
6/13/2018				150			598	1880	
6/14/2018	33.3	7.3			3.3	725			3.4
6/15/2018			9.3						
10/17/2018	41.8								
10/18/2018		10.9							
10/19/2018			15.3		4.1				
10/22/2018				149		827	639	2050	3.9
4/2/2019	18.7	4.5							
4/3/2019			9.7	144	5	856	679	1890	
4/4/2019									3.8
5/2/2019						999			
9/26/2019	47.1	60.5	26	128					
9/27/2019						996	918		
9/30/2019					4.7			2040	5.2
2/25/2020						547			
2/26/2020									
3/19/2020	21.9								
3/20/2020		5.3	6.6		4.2	665			

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/23/2020				125			788		
3/24/2020									3.6
3/25/2020								1670	
9/24/2020	50.1	30.3			4	1050	988		
9/25/2020								1640	
9/28/2020			8.6	152					5.6
3/24/2021	35.6	6.1							
3/25/2021									
3/26/2021			5.8				928	1240	5.7
3/29/2021				131	5	886			
7/19/2021						579	570	575	
7/20/2021									
8/19/2021	38.2	10.4							5.1
8/20/2021			4.4	144	4.4				
8/23/2021						879	898	1250	
11/1/2021						744	688	661	
2/11/2022	38.5								
2/14/2022							925		
2/15/2022						789		1120	
2/16/2022		7.7	6.7	141	4				5.7
7/27/2022	43.2	14.9	7.8	169					6.2
7/28/2022					4.7				
8/1/2022							794		
8/2/2022						828		17.1	
10/21/2022								836 (R)	
1/26/2023	34	5.9							
1/27/2023			3.1		6.1				5.4
1/30/2023				156					
2/1/2023								789	
2/2/2023							737		
2/7/2023						803			

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	780
2/7/2017	780
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	790
4/17/2017	770
4/19/2017	
4/20/2017	
5/22/2017	890
5/30/2017	
6/1/2017	
6/5/2017	870
7/11/2017	840
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	800
10/10/2017	730
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	390
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	400
4/2/2019	333
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	143
9/30/2019	
2/25/2020	
2/26/2020	100
3/19/2020	
3/20/2020	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	117
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	127
9/28/2020	
3/24/2021	
3/25/2021	85.5
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	95.3
8/19/2021	117
8/20/2021	
8/23/2021	
11/1/2021	133
2/11/2022	
2/14/2022	146
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	114
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	154
2/2/2023	
2/7/2023	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					492				
10/18/2018	51.2								
10/19/2018			28						
10/22/2018		274		573					
4/2/2019					378				
4/4/2019	32.7		28.4	605					
4/5/2019		270							
5/3/2019		257							
9/24/2019	38		32.2						
9/26/2019		358		500					
9/27/2019					357				
11/15/2019		455							
12/13/2019								703	
12/16/2019									254
2/25/2020				441		160			
2/26/2020					185				
2/27/2020							386		
3/23/2020	28.4				187				
3/24/2020		203	28.4			127	445	155	
3/25/2020				291					219
5/4/2020									
9/2/2020							309		
9/25/2020		449		435		105			
9/28/2020	34.5		36.6		277				
9/29/2020								792	218
3/25/2021					248				
3/26/2021				696		87.7			
3/29/2021	9.4						227		
3/30/2021		355	37.2						175
3/31/2021								337	
8/19/2021							155		
8/20/2021	34.9			545		92.3			
8/23/2021					268				
8/24/2021			40.1					521	156
8/25/2021		274							
11/1/2021							206		
2/14/2022					241		237		
2/15/2022									
2/16/2022	30.9	262	39.2					409	150
2/17/2022				627		105			
7/28/2022	32.9		44.9	666		138			149
7/29/2022		292			283				
8/2/2022							244	560	
1/27/2023	30								
1/30/2023			45.7	851		152			
1/31/2023		298							123
2/1/2023					240				
2/2/2023								224	
2/7/2023							93.7		

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	218
9/2/2020	210
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	261
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	262
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	296
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	381
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	393
2/2/2023	
2/7/2023	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									2
6/8/2016								11	
8/10/2016									2.1
8/11/2016								11	
10/4/2016									2.3
10/5/2016									
10/6/2016								11	
12/2/2016									2.1
12/5/2016									
12/6/2016								11	
2/14/2017									2
2/15/2017								12	
4/14/2017									1.7
4/17/2017									
4/18/2017								12	
5/26/2017									1.6
6/2/2017								11	
7/10/2017									1.5
7/11/2017									
7/14/2017								11	
10/10/2017									1.9
10/11/2017								12	
6/12/2018									2.3
6/13/2018								10.8	
10/16/2018									2.6
10/17/2018									
10/18/2018								11.7	
4/1/2019									1.8
4/2/2019								9.4	
9/24/2019								8	1.5
3/18/2020									1.5
3/19/2020								8.4	
5/4/2020		535	12.7						
5/11/2020	84.6								
5/20/2020	73.4	550							
9/3/2020	115	564	18.6						
9/23/2020									1.5
9/24/2020									
9/25/2020								13.1	
1/28/2021						835	484		
3/24/2021									1.5
3/29/2021		443							
3/30/2021						772	472	8.8	
3/31/2021			21.9						
4/1/2021	98.2								
4/19/2021				419	25.6				
7/20/2021		384							
8/18/2021			12.8		10				1.7
8/19/2021								7.6	
8/20/2021	131								
8/23/2021		478				756	384		

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/24/2021				433					
2/9/2022			17		15.3				
2/10/2022									1.6
2/11/2022								8	
2/14/2022						128	46.8		
2/15/2022		496							
2/17/2022	126			410					
7/26/2022			14.7		18.2				1.6
7/28/2022	117						33.9	8.9	
8/1/2022		487		415		95.4			
1/25/2023			13.5		27.6				
1/26/2023								7.5	1.7
1/30/2023	122								
1/31/2023						85.6	41.5		
2/1/2023				468					
2/7/2023		226							

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	27
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	30
10/4/2016	
10/5/2016	36
10/6/2016	
12/2/2016	
12/5/2016	40
12/6/2016	
2/14/2017	
2/15/2017	38
4/14/2017	
4/17/2017	35
4/18/2017	
5/26/2017	35
6/2/2017	
7/10/2017	
7/11/2017	33
7/14/2017	
10/10/2017	35
10/11/2017	
6/12/2018	21.3
6/13/2018	
10/16/2018	
10/17/2018	29.4
10/18/2018	
4/1/2019	13.4
4/2/2019	
9/24/2019	13.2
3/18/2020	
3/19/2020	7.3
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	9.2
9/25/2020	
1/28/2021	
3/24/2021	8
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	8.5
8/19/2021	
8/20/2021	
8/23/2021	

Time Series

Constituent: Chloride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/24/2021	
2/9/2022	
2/10/2022	8.9
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	10.9
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	7.5
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.005					<0.005			
6/7/2016							<0.005	<0.005	
8/9/2016	0.0019 (J)								
8/10/2016						0.0044 (J)			
8/11/2016									
8/12/2016								<0.005	
8/16/2016							<0.005		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		0.0013 (J)				<0.005			
10/6/2016								<0.005	
10/7/2016							<0.005		
11/29/2016	<0.005								
12/1/2016		<0.005				<0.005			
12/5/2016								<0.005	
12/6/2016							<0.005		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							<0.005		
4/13/2017	0.0005 (J)					<0.005			
4/14/2017		0.0005 (J)							
4/18/2017							<0.005	<0.005	
5/25/2017	<0.005	0.0004 (J)				<0.005			
5/30/2017									
6/2/2017							<0.005	0.0003 (J)	
7/7/2017	0.0008 (J)					<0.005			
7/10/2017		0.0005 (J)							
7/12/2017							<0.005		
7/13/2017								<0.005	
7/14/2017									
3/26/2018	<0.005	<0.005							
3/27/2018							<0.005		
3/28/2018								<0.005	
2/25/2019	<0.005								
2/27/2019		<0.005							
2/28/2019							<0.005	<0.005	
4/1/2019	<0.005	<0.005						<0.005	
4/2/2019						<0.005	<0.005		
4/3/2019			<0.005						
9/23/2019	<0.005	0.00047 (J)				<0.005			
9/25/2019							<0.005	0.00055 (J)	
9/26/2019									
9/27/2019			<0.005						
2/18/2020	0.00048 (J)					<0.005			
2/19/2020		0.00053 (J)							
2/20/2020							<0.005		
2/21/2020			0.00051 (J)						
2/24/2020								<0.005	
3/18/2020	<0.005	0.00052 (J)							
3/19/2020						0.0015 (J)		0.0004 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			0.0007 (J)						
3/23/2020							0.0011 (J)		
5/22/2020				0.00044 (J)					<0.005
5/25/2020					<0.005				
6/23/2020				0.00043 (J)	0.00042 (J)				<0.005
7/28/2020				<0.005	<0.005				<0.005
9/2/2020				<0.005					<0.005
9/3/2020					<0.005				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005		
9/25/2020			0.00083 (J)					0.00058 (J)	
10/1/2020				0.0014 (J)	0.00056 (J)				<0.005
11/10/2020				0.00059 (J)	<0.005				<0.005
12/15/2020				0.00069	<0.005				<0.005
1/20/2021				0.00061 (J)	<0.005				<0.005
2/16/2021	<0.005	0.00071 (J)							
2/17/2021				0.00099 (J)	0.00069 (J)				
2/18/2021						<0.005	<0.005		0.026
2/19/2021			0.00077 (J)					<0.005	
3/23/2021		0.00059 (J)							
3/24/2021								0.00079 (J)	<0.005
3/25/2021				<0.005	<0.005				
3/26/2021	0.00071 (J)								
3/30/2021							<0.005		
3/31/2021						<0.005			
4/1/2021			0.00076 (J)						
8/16/2021	<0.005	<0.005		0.0022 (J)	<0.005	<0.005			
8/18/2021							<0.005	<0.005	<0.005
8/25/2021			<0.005						
2/9/2022	<0.005			<0.005	<0.005	<0.005			<0.005
2/10/2022		<0.005							
2/11/2022							<0.005	<0.005	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		<0.005	<0.005	<0.005			<0.005
7/27/2022								<0.005	
7/28/2022							<0.005		
8/3/2022			<0.005						
1/24/2023	0.0011 (J)	<0.005		<0.005	<0.005				
1/25/2023						<0.005			
1/26/2023								0.0018 (J)	0.0014 (J)
1/27/2023							<0.005		
2/2/2023			<0.005						

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.005
8/9/2016	
8/10/2016	
8/11/2016	<0.005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.005
4/13/2017	
4/14/2017	
4/18/2017	<0.005
5/25/2017	
5/30/2017	<0.005
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.005
3/26/2018	
3/27/2018	<0.005
3/28/2018	
2/25/2019	<0.005
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.005
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.005
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.005
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00071 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0019 (J)
2/19/2021	
3/23/2021	
3/24/2021	<0.005
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.005
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.005
2/16/2022	
7/26/2022	
7/27/2022	<0.005
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.005
1/27/2023	
2/2/2023	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.005								
6/8/2016		<0.005	<0.005	<0.005	<0.005	<0.005			<0.005
6/9/2016							<0.005	<0.005	
8/11/2016	<0.005								
8/12/2016		<0.005	<0.005	<0.005					
8/15/2016									<0.005
8/18/2016					<0.005	<0.005	<0.005	<0.005	
10/7/2016	<0.005	0.0011 (J)	<0.005						
10/10/2016				<0.005	<0.005	<0.005	<0.005	0.0009 (J)	<0.005
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	<0.005			0.002 (J)	<0.005	
12/8/2016					<0.005	<0.005			<0.005
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	<0.005			
2/20/2017							<0.005	<0.005	<0.005
3/27/2017									
4/17/2017									
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	
4/20/2017						<0.005			<0.005
5/22/2017									
5/30/2017	<0.005								
6/1/2017		<0.005	<0.005	<0.005	<0.005				<0.005
6/5/2017						<0.005	<0.005	<0.005	
7/11/2017									
7/14/2017	<0.005	<0.005	<0.005						
7/17/2017							<0.005	<0.005	<0.005
7/18/2017				<0.005	<0.005				
7/19/2017						<0.005			
8/23/2017									
3/26/2018									
3/27/2018	<0.005	<0.005	<0.005						
3/28/2018				<0.005	<0.005				<0.005
3/29/2018						<0.005	<0.005	<0.005	
2/27/2019	<0.005	<0.005		0.0048 (J)					
3/1/2019			<0.005			<0.005	0.0033 (J)	<0.005	<0.005
4/2/2019	0.00044 (J)	<0.005							
4/3/2019			<0.005	0.00088 (J)	<0.005	<0.005	0.00057 (J)	<0.005	
4/4/2019									<0.005
9/26/2019	<0.005	<0.005	<0.005	0.0022 (J)					
9/27/2019						<0.005	<0.005		
9/30/2019					<0.005			<0.005	0.0021 (J)
2/24/2020	<0.005	<0.005	<0.005	0.00096 (J)					
2/25/2020						<0.005	<0.005		
2/26/2020					<0.005			0.00051 (J)	<0.005
3/19/2020	0.00039 (J)								
3/20/2020		0.00046 (J)	<0.005		0.00041 (J)	<0.005			
3/23/2020				0.00091 (J)			0.00043 (J)		
3/24/2020									<0.005
3/25/2020								<0.005	
9/24/2020	<0.005	<0.005			<0.005	<0.005	<0.005		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.00058 (J)	
9/28/2020			<0.005	0.0028 (J)					<0.005
2/18/2021	<0.005	<0.005	<0.005	0.00078 (J)					
2/19/2021					<0.005	<0.005	<0.005	<0.005	
2/23/2021									<0.005
3/8/2021									
3/24/2021	<0.005	0.00065 (J)							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.005	<0.005
3/29/2021				0.0011 (J)	0.0025 (J)	<0.005			
8/19/2021	<0.005	<0.005							<0.005
8/20/2021			<0.005	<0.005	<0.005				
8/23/2021						<0.005	0.0015 (J)	<0.005	
2/11/2022	<0.005								
2/14/2022							<0.005		
2/15/2022						<0.005		<0.005	
2/16/2022		<0.005	<0.005	<0.005	<0.005				<0.005
7/27/2022	<0.005	<0.005	<0.005	<0.005					<0.005
7/28/2022					<0.005				
8/1/2022							<0.005		
8/2/2022						<0.005		<0.005	
10/21/2022								<0.005 (R)	
1/26/2023	<0.005	<0.005							
1/27/2023			<0.005		<0.005				<0.005
1/30/2023				<0.005					
2/1/2023								<0.005	
2/2/2023							<0.005		
2/7/2023						<0.005			

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.001 (J)
2/7/2017	<0.005
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	<0.005
4/17/2017	<0.005
4/19/2017	
4/20/2017	
5/22/2017	0.0004 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0004 (J)
7/11/2017	0.0012 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0009 (J)
3/26/2018	<0.005
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.005
4/2/2019	0.00095 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00056 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	0.00073 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.00098 (J)
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	0.00087 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0011 (J)
3/24/2021	
3/25/2021	0.00082 (J)
3/26/2021	
3/29/2021	
8/19/2021	<0.005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.0014 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.005
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.005
2/2/2023	
2/7/2023	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					0.001 (J)				
4/4/2019	<0.005		<0.005	0.0011 (J)					
4/5/2019		<0.005							
9/24/2019	0.00064 (J)		<0.005						
9/26/2019		0.00062 (J)		0.00067 (J)					
9/27/2019					0.0006 (J)				
2/25/2020				<0.005		<0.005			
2/26/2020	<0.005				<0.005				
2/27/2020		0.00072 (J)	<0.005				0.0031 (J)	<0.005	
2/28/2020									0.00043 (J)
3/23/2020	0.0011 (J)				<0.005				
3/24/2020		0.0012 (J)	<0.005			0.00068 (J)	0.00042 (J)	0.001 (J)	
3/25/2020				<0.005					0.00058 (J)
9/2/2020							<0.005		
9/25/2020		0.00057 (J)		0.00072 (J)		0.00068 (J)			
9/28/2020	0.00056 (J)		<0.005		<0.005				
9/29/2020								<0.005	0.00082 (J)
2/19/2021			<0.005						
2/22/2021	<0.005			<0.005		<0.005		<0.005	<0.005
2/23/2021		<0.005							
3/8/2021					0.00057 (J)				
3/9/2021							<0.005		
3/25/2021					0.00057 (J)				
3/26/2021				<0.005		<0.005			
3/29/2021	<0.005						<0.005		
3/30/2021		<0.005	<0.005						0.00081 (J)
3/31/2021								<0.005	
8/19/2021							<0.005		
8/20/2021	<0.005			<0.005		<0.005			
8/23/2021					<0.005				
8/24/2021			<0.005					<0.005	<0.005
8/25/2021		0.0043 (J)							
2/14/2022					<0.005		<0.005		
2/15/2022									
2/16/2022	<0.005	<0.005	<0.005					<0.005	0.0011 (J)
2/17/2022				<0.005		<0.005			
7/28/2022	<0.005		<0.005	<0.005		<0.005			<0.005
7/29/2022		<0.005			<0.005				
8/2/2022							<0.005	<0.005	
1/27/2023	<0.005								
1/30/2023			<0.005	<0.005		<0.005			
1/31/2023		<0.005							0.005 (J)
2/1/2023					<0.005				
2/2/2023								<0.005	
2/7/2023							<0.005		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.005
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.00068 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.005
8/25/2021	
2/14/2022	
2/15/2022	<0.005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.005
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.005
2/2/2023	
2/7/2023	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.005
6/8/2016								<0.005	
8/10/2016									0.0052 (J)
8/11/2016								<0.005	
10/4/2016									0.0015 (J)
10/5/2016									
10/6/2016								<0.005	
12/2/2016									0.0013 (J)
12/5/2016									
12/6/2016								<0.005	
2/14/2017									<0.005
2/15/2017								<0.005	
4/14/2017									0.0011 (J)
4/17/2017									
4/18/2017								<0.005	
5/26/2017									0.0008 (J)
6/2/2017								<0.005	
7/10/2017									0.0009 (J)
7/11/2017									
7/14/2017								<0.005	
3/26/2018									<0.005
3/27/2018								<0.005	
2/25/2019									<0.005
2/28/2019								<0.005	
4/1/2019									0.00091 (J)
4/2/2019								<0.005	
9/24/2019								0.00055 (J)	0.063
2/19/2020									0.0011 (J)
2/20/2020									
2/21/2020								<0.005	
3/18/2020									0.0014 (J)
3/19/2020								0.00061 (J)	
9/3/2020	<0.005	<0.005	<0.005						
9/23/2020									0.0013 (J)
9/24/2020									
9/25/2020								<0.005	
1/28/2021						<0.005	<0.005		
2/16/2021									0.001 (J)
2/17/2021									
2/18/2021				0.00093 (J)				<0.005	
2/22/2021	0.0011 (J)								
2/23/2021						0.0006 (J)	<0.005		
3/8/2021		<0.005							
3/24/2021									0.0013 (J)
3/29/2021		<0.005							
3/30/2021						<0.005	0.00061 (J)	0.00095 (J)	
3/31/2021				0.00094 (J)					
4/1/2021	0.00062 (J)								
4/19/2021				0.00071 (J)	<0.005				
8/18/2021			<0.005		<0.005				0.0012 (J)
8/19/2021								<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.005								
8/23/2021		<0.005				<0.005	<0.005		
8/24/2021				<0.005					
2/9/2022			<0.005		<0.005				
2/10/2022									0.0014 (J)
2/11/2022								<0.005	
2/14/2022						<0.005	0.0013 (J)		
2/15/2022		0.0024 (J)							
2/17/2022	<0.005			<0.005					
7/26/2022			<0.005		<0.005				<0.005
7/28/2022	<0.005						<0.005	<0.005	
8/1/2022		<0.005		<0.005		<0.005			
1/25/2023			0.0025 (J)		<0.005				
1/26/2023								<0.005	0.0014 (J)
1/30/2023	<0.005								
1/31/2023						<0.005	0.0016 (J)		
2/1/2023				<0.005					
2/7/2023		<0.005							

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.005
10/4/2016	
10/5/2016	0.002 (J)
10/6/2016	
12/2/2016	
12/5/2016	<0.005
12/6/2016	
2/14/2017	
2/15/2017	<0.005
4/14/2017	
4/17/2017	<0.005
4/18/2017	
5/26/2017	<0.005
6/2/2017	
7/10/2017	
7/11/2017	<0.005
7/14/2017	
3/26/2018	
3/27/2018	<0.005
2/25/2019	
2/28/2019	
4/1/2019	<0.005
4/2/2019	
9/24/2019	<0.005
2/19/2020	
2/20/2020	<0.005
2/21/2020	
3/18/2020	
3/19/2020	<0.005
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.005
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.005
8/19/2021	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.005
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.0021 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.005					<0.005			
6/7/2016							<0.005	<0.005	
8/9/2016	0.0005 (J)								
8/10/2016						0.0006 (J)			
8/11/2016									
8/12/2016								<0.005	
8/16/2016							<0.005		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005			
10/6/2016								<0.005	
10/7/2016							<0.005		
11/29/2016	<0.005								
12/1/2016		<0.005				<0.005			
12/5/2016									0.0006 (J)
12/6/2016							<0.005		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							<0.005		
4/13/2017	<0.005					<0.005			
4/14/2017		<0.005							
4/18/2017							<0.005	<0.005	
5/25/2017	<0.005	<0.005				<0.005			
5/30/2017									
6/2/2017							<0.005	<0.005	
7/7/2017	<0.005					<0.005			
7/10/2017		<0.005							
7/12/2017							<0.005		
7/13/2017									0.0003 (J)
7/14/2017									
3/26/2018	<0.005	<0.005							
3/27/2018							<0.005		
3/28/2018								<0.005	
6/12/2018	<0.005	<0.005							
6/14/2018							<0.005	<0.005	
10/16/2018	<0.005	<0.005				0.00094 (J)			
10/17/2018								<0.005	
10/18/2018							<0.005		
2/25/2019	<0.005								
2/27/2019		<0.005							
2/28/2019							<0.005	<0.005	
4/1/2019	0.00014 (J)	<0.005							0.00034 (J)
4/2/2019						0.00016 (J)	0.00027 (J)		
4/3/2019			0.00011 (J)						
5/2/2019	<0.005								
9/23/2019	0.00047 (J)	<0.005				0.00042 (J)			
9/25/2019							0.00056 (J)	0.0004 (J)	
9/26/2019									
9/27/2019			<0.005						
2/18/2020	<0.005					0.00032 (J)			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/19/2020		<0.005							
2/20/2020							<0.005		
2/21/2020			<0.005						
2/24/2020								0.00034 (J)	
3/18/2020	<0.005	<0.005							
3/19/2020						<0.005		0.00035 (J)	
3/20/2020			<0.005						
3/23/2020							0.00031 (J)		
5/22/2020				<0.005					0.00041 (J)
5/25/2020					<0.005				
6/23/2020				0.00031 (J)	<0.005				<0.005
7/28/2020				<0.005	0.00064 (J)				<0.005
9/2/2020				<0.005					0.001 (J)
9/3/2020					<0.005				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005		
9/25/2020			<0.005					0.00049 (J)	
10/1/2020				<0.005	0.00039 (J)				0.0018 (J)
11/10/2020				<0.005	<0.005				0.0016 (J)
12/15/2020				<0.005	<0.005				0.0018
1/20/2021				<0.005	<0.005				0.0019 (J)
2/16/2021	<0.005	<0.005							
2/17/2021				<0.005	<0.005				
2/18/2021						<0.005	<0.005		0.0013 (J)
2/19/2021			<0.005					0.00066 (J)	
3/23/2021		<0.005							
3/24/2021								0.00048 (J)	<0.005
3/25/2021				<0.005	<0.005				
3/26/2021	<0.005								
3/30/2021							0.00052 (J)		
3/31/2021						0.00094 (J)			
4/1/2021			<0.005						
8/16/2021	<0.005	<0.005		<0.005	<0.005	0.00052 (J)			
8/18/2021							0.00042 (J)	0.00085 (J)	0.0034 (J)
8/25/2021			<0.005						
2/9/2022	<0.005			<0.005	<0.005	0.0005 (J)			<0.005
2/10/2022		<0.005							
2/11/2022							0.00047 (J)	0.00057 (J)	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		<0.005	<0.005	<0.005			0.003 (J)
7/27/2022								<0.005	
7/28/2022							0.00058 (J)		
8/3/2022			<0.005						
1/24/2023	<0.005	<0.005		<0.005	<0.005				
1/25/2023						0.00074 (J)			
1/26/2023								0.00045 (J)	0.0033 (J)
1/27/2023							0.00051 (J)		
2/2/2023			0.00051 (J)						

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	0.0037
8/9/2016	
8/10/2016	
8/11/2016	0.0039 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0043 (J)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.005 (J)
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0054 (J)
4/13/2017	
4/14/2017	
4/18/2017	0.0054 (J)
5/25/2017	
5/30/2017	0.0045 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0049 (J)
3/26/2018	
3/27/2018	<0.01
3/28/2018	
6/12/2018	0.0048 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.0047 (J)
2/25/2019	0.0071 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0056 (J)
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.0093
9/27/2019	
2/18/2020	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

2/19/2020	
2/20/2020	0.0092
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.0089
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.0095
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0088
2/19/2021	
3/23/2021	
3/24/2021	0.0078
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.0098
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.0097
2/16/2022	
7/26/2022	
7/27/2022	0.012
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.0098
1/27/2023	
2/2/2023	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.005								
6/8/2016		0.00071 (J)	<0.005	<0.005	0.00041 (J)	0.0079			<0.005
6/9/2016							<0.005	0.0026	
8/11/2016	<0.005								
8/12/2016		0.0006 (J)	<0.005	<0.005					
8/15/2016									<0.005
8/18/2016					<0.005	0.0109	<0.005	0.0021 (J)	
10/7/2016	<0.005	0.0005 (J)	<0.005						
10/10/2016				<0.005	<0.005	0.011	<0.005	0.0018 (J)	<0.005
12/6/2016	<0.005	0.0009 (J)							
12/7/2016			<0.005	0.0008 (J)			0.0015 (J)	0.0018 (J)	
12/8/2016					0.0006 (J)	0.013			0.0006 (J)
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	0.0122			
2/20/2017							<0.005	0.0027 (J)	<0.005
3/27/2017									
4/17/2017									
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	0.0032 (J)	
4/20/2017						0.0116			<0.005
5/22/2017									
5/30/2017	<0.005								
6/1/2017		<0.005	<0.005	<0.005	<0.005				<0.005
6/5/2017						0.0112	<0.005	0.0034 (J)	
7/11/2017									
7/14/2017	<0.005	<0.005	<0.005						
7/17/2017							<0.005	0.0033 (J)	<0.005
7/18/2017				<0.005	0.0004 (J)				
7/19/2017						0.0131			
8/23/2017									
3/26/2018									
3/27/2018	<0.005	<0.005	<0.005						
3/28/2018				<0.005	<0.005				<0.005
3/29/2018						0.016	<0.005	<0.005	
6/13/2018				<0.005			<0.005	0.0039 (J)	
6/14/2018	<0.005	<0.005			<0.005	0.017			<0.005
6/15/2018			<0.005						
10/17/2018	<0.005								
10/18/2018		<0.005							
10/19/2018			<0.005		<0.005				
10/22/2018				<0.005		0.021	<0.005	0.0043 (J)	<0.005
2/27/2019	<0.005	<0.005		<0.005					
3/1/2019			<0.005			0.017	<0.005	0.0055 (J)	<0.005
4/2/2019	0.00015 (J)	0.00012 (J)							
4/3/2019			7.2E-05 (J)	0.00024 (J)	0.00064 (J)	0.019	0.00058 (J)	0.0048 (J)	
4/4/2019									0.00022 (J)
5/2/2019						0.023 (J)			
9/26/2019	<0.005	<0.005	<0.005	<0.005					
9/27/2019						0.027	0.00034 (J)		
9/30/2019					0.0004 (J)			0.0048 (J)	<0.005
2/24/2020	<0.005	<0.005	<0.005	<0.005					

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/25/2020						0.017	0.00046 (J)		
2/26/2020					0.00037 (J)			0.0045 (J)	<0.005
3/19/2020	<0.005								
3/20/2020		<0.005	<0.005		<0.005	0.02			
3/23/2020				0.00036 (J)			0.0004 (J)		
3/24/2020									<0.005
3/25/2020								0.0037 (J)	
9/24/2020	<0.005	<0.005			0.00098 (J)	0.041	<0.005		
9/25/2020								0.0038 (J)	
9/28/2020			<0.005	<0.005					<0.005
2/18/2021	<0.005	<0.005	<0.005	<0.005					
2/19/2021					0.0013 (J)	0.032	0.00044 (J)	0.0042 (J)	
2/23/2021									<0.005
3/8/2021									
3/24/2021	<0.005	<0.005							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.005	<0.005
3/29/2021				<0.005	0.00069 (J)	0.029 (J)			
7/19/2021						0.039	<0.005	0.0034 (J)	
7/20/2021									
8/19/2021	<0.005	<0.005							<0.005
8/20/2021			<0.005	<0.005	0.00058 (J)				
8/23/2021						0.029	0.00047 (J)	0.0062	
11/1/2021						0.04	<0.005	0.0038 (J)	
2/11/2022	<0.005								
2/14/2022							<0.005		
2/15/2022						0.03		0.0037 (J)	
2/16/2022		<0.005	<0.005	<0.005	0.0021 (J)				<0.005
7/27/2022	<0.005	<0.005	<0.005	<0.005					<0.005
7/28/2022					0.0027 (J)				
8/1/2022							<0.005		
8/2/2022						0.034		<0.005	
10/21/2022								0.0026 (J)	
1/26/2023	<0.005	<0.005							
1/27/2023			<0.005		0.0021 (J)				<0.005
1/30/2023				<0.005					
2/1/2023								0.0024 (J)	
2/2/2023							<0.005		
2/7/2023						0.017			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0012 (J)
2/7/2017	0.0008 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.001 (J)
4/17/2017	0.0009 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0008 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0008 (J)
7/11/2017	0.0008 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0006 (J)
3/26/2018	<0.005
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	<0.005
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	<0.005
2/27/2019	
3/1/2019	<0.005
4/2/2019	0.00022 (J)
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	<0.005
9/30/2019	
2/24/2020	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/25/2020	
2/26/2020	<0.005
3/19/2020	
3/20/2020	
3/23/2020	<0.005
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.005
3/24/2021	
3/25/2021	<0.005
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	<0.005
8/19/2021	0.002 (J)
8/20/2021	
8/23/2021	
11/1/2021	<0.005
2/11/2022	
2/14/2022	<0.005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.005
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.005
2/2/2023	
2/7/2023	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.00057 (J)				
10/18/2018	0.00079 (J)								
10/19/2018			0.0012 (J)						
10/22/2018		0.0037 (J)		<0.01					
4/2/2019					0.0011 (J)				
4/4/2019	0.00051 (J)		0.00042 (J)	0.0011 (J)					
4/5/2019		0.011							
5/3/2019		0.0078 (J)							
9/24/2019	0.00041 (J)		<0.005						
9/26/2019		0.01		0.0019 (J)					
9/27/2019					0.0009 (J)				
11/15/2019		0.0077							
12/13/2019								0.0033 (J)	
2/25/2020				0.0011 (J)		0.0015 (J)			
2/26/2020	0.00031 (J)				0.00058 (J)				
2/27/2020		0.00095 (J)	<0.005				0.014	0.00047 (J)	
2/28/2020									0.00049 (J)
3/23/2020	0.00036 (J)				0.00049 (J)				
3/24/2020		0.0037 (J)	0.00039 (J)			0.0019 (J)	0.0065	<0.005	
3/25/2020				0.00046 (J)					0.00056 (J)
9/2/2020							0.0043 (J)		
9/25/2020		0.0081		0.00082 (J)		0.0011 (J)			
9/28/2020	0.00046 (J)		0.00048 (J)		0.00038 (J)				
9/29/2020								0.00061 (J)	0.00044 (J)
2/19/2021			0.00057 (J)						
2/22/2021	<0.005			0.0011 (J)		0.0007 (J)		<0.005	0.0006 (J)
2/23/2021		0.0062							
3/8/2021					<0.005				
3/9/2021							0.0014 (J)		
3/25/2021					<0.005				
3/26/2021				0.0015 (J)		0.0011 (J)			
3/29/2021	<0.005						0.0015 (J)		
3/30/2021		0.0014 (J)	0.00065 (J)						0.00052 (J)
3/31/2021								<0.005	
8/19/2021							0.004 (J)		
8/20/2021	<0.005			0.0018 (J)		0.00088 (J)			
8/23/2021					<0.005				
8/24/2021			0.00085 (J)					<0.005	0.00061 (J)
8/25/2021		0.0018 (J)							
11/1/2021							0.0033 (J)		
2/14/2022					<0.005		0.0019 (J)		
2/15/2022									
2/16/2022	<0.005	<0.005	0.001 (J)					<0.005	0.00052 (J)
2/17/2022				0.0024 (J)		0.00056 (J)			
7/28/2022	<0.005		0.0012 (J)	0.0038 (J)		<0.005			0.00042 (J)
7/29/2022		0.0022 (J)			<0.005				
8/2/2022							0.0019 (J)	<0.005	
1/27/2023	<0.005								
1/30/2023			0.0014 (J)	0.0029 (J)		<0.005			
1/31/2023		0.0029 (J)							0.00046 (J)
2/1/2023					<0.005				
2/2/2023							<0.005		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/7/2023							0.0014 (J)		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.00075 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.00053 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.00044 (J)
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	<0.005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.0004 (J)
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	0.00067 (J)
2/2/2023	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

2/7/2023

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.00013 (J)
6/8/2016								0.00081 (J)	
8/10/2016									0.0003 (J)
8/11/2016								0.0007 (J)	
10/4/2016									<0.005
10/5/2016									
10/6/2016								<0.01	
12/2/2016									<0.005
12/5/2016									
12/6/2016								0.0009 (J)	
2/14/2017									<0.005
2/15/2017								<0.01	
4/14/2017									<0.005
4/17/2017									
4/18/2017								0.0005 (J)	
5/26/2017									<0.005
6/2/2017								0.0006 (J)	
7/10/2017									<0.005
7/11/2017									
7/14/2017								0.0006 (J)	
3/26/2018									<0.005
3/27/2018								<0.01	
6/12/2018									<0.005
6/13/2018								0.00068 (J)	
10/16/2018									<0.005
10/17/2018									
10/18/2018								<0.01	
2/25/2019									<0.005
2/28/2019								0.00067 (J)	
4/1/2019									5.6E-05 (J)
4/2/2019								0.00094 (J)	
9/24/2019								0.00078 (J)	0.0012 (J)
2/19/2020									<0.005
2/20/2020									
2/21/2020								0.00081 (J)	
3/18/2020									<0.005
3/19/2020								0.00091 (J)	
9/3/2020	<0.005	0.002 (J)	<0.005						
9/23/2020									<0.005
9/24/2020									
9/25/2020								0.00077 (J)	
1/28/2021						<0.005	0.0048 (J)		
2/16/2021									<0.005
2/17/2021									
2/18/2021				<0.005				0.00074 (J)	
2/22/2021	<0.005								
2/23/2021						<0.005	0.0033 (J)		
3/8/2021		0.0043 (J)							
3/24/2021									<0.005
3/29/2021		0.0057							
3/30/2021						<0.005	0.0031 (J)	0.00085 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			<0.005						
4/1/2021	<0.005								
4/19/2021				0.00079 (J)	0.0013 (J)				
7/20/2021		0.0057							
8/18/2021			<0.005		0.0016 (J)				<0.005
8/19/2021								0.0008 (J)	
8/20/2021	<0.005								
8/23/2021		0.0051				<0.005	0.0036 (J)		
8/24/2021				0.001 (J)					
2/9/2022			<0.005		0.00079 (J)				
2/10/2022									<0.005
2/11/2022								0.00068 (J)	
2/14/2022						<0.005	0.00044 (J)		
2/15/2022		0.0038 (J)							
2/17/2022	<0.005			0.00088 (J)					
7/26/2022			<0.005		0.00072 (J)				<0.005
7/28/2022	<0.005						0.00082 (J)	0.00074 (J)	
8/1/2022		0.0024 (J)		0.00065 (J)		<0.005			
1/25/2023			<0.005		0.00066 (J)				
1/26/2023								0.00068 (J)	<0.005
1/30/2023	<0.005								
1/31/2023						<0.005	0.0045 (J)		
2/1/2023				0.00089 (J)					
2/7/2023		0.0016 (J)							

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0003 (J)
10/4/2016	
10/5/2016	<0.005
10/6/2016	
12/2/2016	
12/5/2016	0.0006 (J)
12/6/2016	
2/14/2017	
2/15/2017	<0.005
4/14/2017	
4/17/2017	<0.005
4/18/2017	
5/26/2017	<0.005
6/2/2017	
7/10/2017	
7/11/2017	<0.005
7/14/2017	
3/26/2018	
3/27/2018	<0.005
6/12/2018	<0.005
6/13/2018	
10/16/2018	
10/17/2018	<0.005
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.00024 (J)
4/2/2019	
9/24/2019	<0.005
2/19/2020	
2/20/2020	<0.005
2/21/2020	
3/18/2020	
3/19/2020	<0.005
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.005
3/29/2021	
3/30/2021	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	<0.005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.005
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.005
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.838					0.239 (U)			
6/7/2016							0.616	0.024 (U)	
8/9/2016	1.18								
8/10/2016						1.19			
8/11/2016									
8/12/2016								0.849	
8/16/2016							1.08		
8/22/2016		0.356 (U)							
10/3/2016	0.815 (U)								
10/4/2016		0.0834 (U)				0.231 (U)			
10/6/2016								1.57	
10/7/2016							2.82		
11/29/2016	0.887 (U)								
12/1/2016		0.208 (U)				0.428 (U)			
12/5/2016								0.956	
12/6/2016							0.719 (U)		
1/10/2017		0.024 (U)							
2/13/2017	0.869 (U)								
2/14/2017		0.105 (U)				0.36 (U)			
2/15/2017								0.229 (U)	
2/16/2017							0.966 (U)		
4/13/2017	1.21 (U)					0.387 (U)			
4/14/2017		0.803 (U)							
4/18/2017							1.01 (U)	0.0114 (U)	
5/25/2017	1.54	0.569 (U)				0.123 (U)			
5/30/2017									
6/2/2017							1.13 (U)	0.375 (U)	
7/7/2017	1.45					0.876 (U)			
7/10/2017		0.589 (U)							
7/12/2017							1.29		
7/13/2017								0.636 (U)	
7/14/2017									
3/26/2018	0.529 (U)	0.513 (U)							
3/27/2018							0.779 (U)		
3/28/2018								0.36 (U)	
6/12/2018	0.945 (U)	0.516 (U)							
6/14/2018							1.22 (U)	0.316 (U)	
10/16/2018	0.57 (U)	0.146 (U)				0.881 (U)			
10/17/2018								0.326 (U)	
10/18/2018							0.841 (U)		
2/25/2019	1.43								
2/27/2019		0.941 (U)							
2/28/2019							1.88	1.04	
4/1/2019	1.44 (U)	0.66 (U)						0.328 (U)	
4/2/2019						0.64 (U)	1.21 (U)		
4/3/2019			0.69 (U)						
9/23/2019	1.82	1.25				1.13			
9/25/2019							0.816 (U)	0.649 (U)	
9/26/2019									
10/4/2019			1.02 (U)						
2/18/2020	1.33					0.373 (U)			
2/19/2020		1.28							

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							1.47 (U)		
2/21/2020			0.504 (U)						
2/24/2020								0.455 (U)	
3/18/2020	1.31 (U)	1.2 (U)							
3/19/2020						0.431 (U)		0.838 (U)	
3/20/2020			0.6 (U)						
3/23/2020							1.69		
5/22/2020				1.21 (U)					1.82
5/25/2020					1.21 (U)				
6/23/2020				0.955 (U)	1.44				1.05 (U)
7/28/2020				1.59	0.592 (U)				1.71
9/2/2020				0.59 (U)					0.0158 (U)
9/3/2020					1.06 (U)				
9/23/2020	1.43	0.53 (U)				0.293 (U)			
9/24/2020							1.19 (U)		
9/25/2020								0.818 (U)	
9/28/2020			0.963 (U)						
10/1/2020				0.754 (U)	0.597 (U)				1.19 (U)
11/10/2020				0.403 (U)	0.188 (U)				0.675 (U)
12/15/2020				0.263 (U)	0.464 (U)				1.26
1/20/2021				0.669 (U)	1.33 (U)				0.701 (U)
2/16/2021	0.938 (U)	0.344 (U)							
2/17/2021				0.537 (U)	1.1 (U)				
2/18/2021						0.232 (U)	1.52		1
2/19/2021			1.11					0.608 (U)	
3/23/2021		0.322 (U)							
3/24/2021								0.369 (U)	1.1 (U)
3/25/2021				1.15 (U)	1.08 (U)				
3/26/2021	1.03 (U)								
3/30/2021							1.51 (U)		
3/31/2021						0.301 (U)			
4/1/2021			0.58 (U)						
8/16/2021	0.684 (U)	0.539 (U)		0.536 (U)	0.0949 (U)	0.813 (U)			
8/18/2021							1.26	0.19 (U)	0.721 (U)
8/25/2021			0.377 (U)						
2/9/2022	0.264 (U)			0.539 (U)	0.504 (U)	0.296 (U)			0.355 (U)
2/10/2022		0.181 (U)							
2/11/2022							1.01 (U)	0.288 (U)	
2/16/2022			0.54 (U)						
7/26/2022	1.53	0.634 (U)		1.51	1.27 (U)	1.15 (U)			0.659 (U)
7/27/2022								0.705 (U)	
7/28/2022							1.18 (U)		
1/24/2023	1.52	0.711 (U)		0.955 (U)	0.589 (U)				
1/25/2023						0.723			
1/26/2023								0.664 (U)	1.31
1/27/2023							1.82		
2/2/2023			1.21						

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	0.284 (U)
8/9/2016	
8/10/2016	
8/11/2016	1.71
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.485 (U)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	1.22
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.19 (U)
4/13/2017	
4/14/2017	
4/18/2017	0.52 (U)
5/25/2017	
5/30/2017	1.21 (U)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.526 (U)
3/26/2018	
3/27/2018	1.34
3/28/2018	
6/12/2018	0.732 (U)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.522 (U)
2/25/2019	1.08
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	1.73
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	1.45
10/4/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	1.22 (U)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	1.63
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.469 (U)
9/25/2020	
9/28/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.721 (U)
2/19/2021	
3/23/2021	
3/24/2021	0.92 (U)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	1.05
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	1.03
2/16/2022	
7/26/2022	
7/27/2022	0.917 (U)
7/28/2022	
1/24/2023	
1/25/2023	
1/26/2023	1.21 (U)
1/27/2023	
2/2/2023	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.135 (U)								
6/8/2016		0.406	0.264 (U)	0.863 (U)	0.573	1.53			0.314 (U)
6/9/2016							0.704	2.13	
8/11/2016	0.808								
8/12/2016		1.39	1.18	1.74					
8/15/2016									1.2
8/18/2016					0.44 (U)	2.47	1.88	2.67	
10/7/2016	0.874 (U)	0.451 (U)	1.97						
10/10/2016				0.944 (U)	0.933 (U)	2.11	1.48	3.46	1.03 (U)
12/6/2016	0.131 (U)	0.516 (U)							
12/7/2016			1.31 (U)	2.29			2.61	1.65	
12/8/2016					1.02 (U)	2.64			1.47 (U)
1/23/2017									
2/7/2017									
2/16/2017	0.471 (U)	0.172 (U)	0.35 (U)						
2/17/2017				1.35 (U)	0.193 (U)	1.34			
2/20/2017							0.884 (U)	2.68	0.547 (U)
4/17/2017									
4/19/2017	0.65 (U)	0.704 (U)	0.974 (U)	1.48	0.488 (U)		0.948 (U)	3.81	
4/20/2017						2.35			0.0595 (U)
5/22/2017									
5/30/2017	0.65 (U)								
6/1/2017		0.493 (U)	0.332 (U)	1.61	0.837 (U)				0.67 (U)
6/5/2017						1.6	1.33	2.86	
7/11/2017									
7/14/2017	0.592 (U)	0.547 (U)	1.27						
7/17/2017							1.04	2.87	1.25 (U)
7/18/2017					0.498 (U)				
7/19/2017				1.626		1.76			
8/23/2017									
3/26/2018									
3/27/2018	0.551 (U)	0.569 (U)	0.169 (U)						
3/28/2018				0.97 (U)	0.864 (U)				0.507 (U)
3/29/2018						2.43	1.65	2.79	
6/13/2018				0.686 (U)			0.983 (U)	2.19	
6/14/2018	0.638 (U)	0.989 (U)			0.583 (U)	2.14			0.721 (U)
6/15/2018			0.625 (U)						
10/17/2018	0.555 (U)								
10/18/2018		0.875 (U)							
10/19/2018			0.784 (U)		0.982 (U)				
10/22/2018				0.559 (U)		1.43	1.21	2.18	0.741 (U)
2/27/2019	1.57	1.12		1.24					
3/1/2019			0.989 (U)			3.32	2.24	3.37	0.634 (U)
4/2/2019	0.71 (U)	0.814 (U)							
4/3/2019			0.98 (U)	0.567 (U)	0.532 (U)	2.48	2.86	3.6	
4/4/2019									0.346 (U)
9/26/2019	1.17 (U)	0.973 (U)	1.16	0.662 (U)					
9/27/2019						2.83	2.28		
9/30/2019					1.16 (U)			2.73	0.953 (U)
2/24/2020	1.17	1.07	1.19	1.38					
2/25/2020						1.7	2.49		
2/26/2020					1.08 (U)			2.4	1.16

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/19/2020	0.626 (U)								
3/20/2020		2.59	0.89 (U)		1.08 (U)	3.6			
3/23/2020				1.27 (U)			1.68		
3/24/2020									0.899 (U)
3/25/2020								4.72	
9/24/2020	0.594 (U)	0.789 (U)			0.157 (U)	4.18	0.56 (U)		
9/25/2020								1.49	
9/28/2020			1.11 (U)	1.07 (U)					0.744 (U)
2/18/2021	0.723 (U)	0.62 (U)	1.05 (U)	0.87 (U)					
2/19/2021					1 (U)	2.63	1.17 (U)	1.07 (U)	
2/23/2021									0.456 (U)
3/8/2021									
3/24/2021	0.391 (U)	1.21 (U)							
3/25/2021									
3/26/2021			0.848 (U)				1.04 (U)	2.91	0.134 (U)
3/29/2021				1.49	0.471 (U)	4.1			
8/19/2021	0.742 (U)	0.858 (U)							0.908 (U)
8/20/2021			0.731 (U)	1.42	0.277 (U)				
8/23/2021						3.25	1.2 (U)	1.77 (U)	
2/11/2022	0.208 (U)								
2/14/2022							0.563 (U)		
2/15/2022						1.94		14.2 (U)	
2/16/2022		0.708 (U)	0.349 (U)	0.322 (U)	0.49 (U)				0.189 (U)
7/27/2022	0.138 (U)	0.737 (U)	0.964 (U)	1.53					1.09 (U)
7/28/2022					0.424 (U)				
8/1/2022							2.28		
8/2/2022						2.32		0.84 (U)	
1/26/2023	1.02 (U)	1.46							
1/27/2023			1.16		0.28 (U)				0.768 (U)
1/30/2023				0.563 (U)					
2/1/2023								1.3	
2/2/2023							0.783 (U)		
2/7/2023						1.45			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	2.17
2/7/2017	3
2/16/2017	
2/17/2017	
2/20/2017	
4/17/2017	2.73
4/19/2017	
4/20/2017	
5/22/2017	3.15
5/30/2017	
6/1/2017	
6/5/2017	0.86 (U)
7/11/2017	1.87
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	3.39
3/26/2018	1.61
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.815 (U)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	1.02 (U)
2/27/2019	
3/1/2019	2.47
4/2/2019	2.29
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	1.23 (U)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	1.09 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/19/2020	
3/20/2020	
3/23/2020	1.42
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.783 (U)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.429 (U)
3/24/2021	
3/25/2021	1.48
3/26/2021	
3/29/2021	
8/19/2021	1.63
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.744 (U)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	1.01 (U)
8/2/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.936
2/2/2023	
2/7/2023	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					1.24				
10/18/2018	0.96								
10/19/2018			2.28						
10/22/2018		1.22 (U)		1.54					
4/2/2019					2.81				
4/4/2019	1.49		1.89	2.37					
4/5/2019		2.2							
9/24/2019	1.68		3.98						
9/26/2019		2.36		3.09					
9/27/2019					1.66				
2/25/2020				4.16		2.87			
2/26/2020	1.31				1.76				
2/27/2020		1.44	1.31				5.89	1.03 (U)	
2/28/2020									0.649 (U)
3/23/2020	2.39				2.75				
3/24/2020		1.25 (U)	2.56			2.8	5.9	1.35	
3/25/2020				2.81					0.848 (U)
9/2/2020							5.91		
9/25/2020		2.62		2.15		3.29			
9/28/2020	1.48		2.12		1.59				
9/29/2020								1.71	0.441 (U)
2/19/2021			2.23						
2/22/2021	1.07 (U)			2.03		1.73		1.65	1.31 (U)
2/23/2021		1.55							
3/8/2021					2.09				
3/9/2021							3.34		
3/25/2021					2.43				
3/26/2021				2.4		3.15			
3/29/2021	1.63						3.54		
3/30/2021		2.04	1.35 (U)						0.826 (U)
3/31/2021								0.251 (U)	
8/19/2021							4.63		
8/20/2021	1.82			2.53		3.01			
8/23/2021					0.857 (U)				
8/24/2021			2.39					0.432 (U)	0.21 (U)
8/25/2021		0.784 (U)							
2/14/2022					1.43		4.6		
2/15/2022									
2/16/2022	1.02	1.16 (U)	2.24					0.799	0.473 (U)
2/17/2022				1.88		2.41			
7/28/2022	0.684 (U)		2.74	2.71		2.92			0.656 (U)
7/29/2022		1.82			1.47 (U)				
8/2/2022							3.64	0.93 (U)	
1/27/2023	1.46								
1/30/2023			2.58	2.3		2.14			
1/31/2023		1.49							0.498 (U)
2/1/2023					1.17				
2/2/2023								0.942 (U)	
2/7/2023							2.93		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	1.31 (U)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	1.91
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	1
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.918 (U)
8/25/2021	
2/14/2022	
2/15/2022	0.765 (U)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	1.6
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	1.59
2/2/2023	
2/7/2023	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.0507 (U)
6/8/2016								0.854	
8/10/2016									0.862 (U)
8/11/2016								1.24	
10/4/2016									0.48 (U)
10/5/2016									
10/6/2016								2.43	
12/2/2016									0.219 (U)
12/5/2016									
12/6/2016								0.958 (U)	
2/14/2017									0.636 (U)
2/15/2017								1.18	
4/14/2017									0.13 (U)
4/17/2017									
4/18/2017								1.26	
5/26/2017									0.349 (U)
6/2/2017								1.24 (U)	
7/10/2017									0.565 (U)
7/11/2017									
7/14/2017								1.55	
3/26/2018									0.303 (U)
3/27/2018								2.15	
6/12/2018									0.494 (U)
6/13/2018								1.95	
10/16/2018									0.633 (U)
10/17/2018									
10/18/2018								1.1	
2/25/2019									1.03 (U)
2/28/2019								1.38	
4/1/2019									0.474 (U)
4/2/2019								1.57	
9/24/2019								1.85	1.69
2/19/2020									1.02 (U)
2/20/2020									
2/21/2020								2.02	
3/18/2020									0.987 (U)
3/19/2020								1.18 (U)	
9/3/2020	1.05 (U)	1.9	0.982 (U)						
9/23/2020									0.25 (U)
9/24/2020									
9/25/2020								1.64	
1/28/2021						0.444 (U)	1.59		
2/16/2021									0.709 (U)
2/17/2021									
2/18/2021				1.34				1.09	
2/22/2021	0.578 (U)								
2/23/2021						0.589 (U)	0.567 (U)		
3/8/2021		1.34							
3/24/2021									0.808 (U)
3/29/2021		1.62 (U)							
3/30/2021						0.852 (U)	1.66 (U)	1.41 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			0.517 (U)						
4/1/2021	0.461 (U)								
4/19/2021				2.45	1.01 (U)				
8/18/2021			0.886 (U)		0.99 (U)				0.192 (U)
8/19/2021								0.952 (U)	
8/20/2021	1.38								
8/23/2021		1.93				0.558 (U)	0.785 (U)		
8/24/2021				3.66					
2/9/2022			1.52		1.4				
2/10/2022									0.813
2/11/2022								1.26	
2/14/2022						0.487 (U)	0.224 (U)		
2/15/2022		0.96 (U)							
2/17/2022	0.51 (U)			2.41					
7/26/2022			0.818 (U)		1 (U)				0.523 (U)
7/28/2022	0.503 (U)						1.02 (U)	1.22 (U)	
8/1/2022		1.38		2.36		0.642 (U)			
1/25/2023			0.617 (U)		0.588 (U)				
1/26/2023								1.73	0.629 (U)
1/30/2023	0.71 (U)								
1/31/2023						0.707 (U)	0.58 (U)		
2/1/2023				1.57					

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.488
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.639 (U)
10/4/2016	
10/5/2016	0.945 (U)
10/6/2016	
12/2/2016	
12/5/2016	2.2
12/6/2016	
2/14/2017	
2/15/2017	0.74 (U)
4/14/2017	
4/17/2017	0.764 (U)
4/18/2017	
5/26/2017	0.245 (U)
6/2/2017	
7/10/2017	
7/11/2017	0.502 (U)
7/14/2017	
3/26/2018	
3/27/2018	0.745 (U)
6/12/2018	0.319 (U)
6/13/2018	
10/16/2018	
10/17/2018	0.319 (U)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.225 (U)
4/2/2019	
9/24/2019	1.65
2/19/2020	
2/20/2020	0.921 (U)
2/21/2020	
3/18/2020	
3/19/2020	1.94
9/3/2020	
9/23/2020	
9/24/2020	0.9 (U)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.692 (U)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.554 (U)
3/29/2021	
3/30/2021	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.458 (U)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.86
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.866 (U)
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.248 (U)
1/30/2023	
1/31/2023	
2/1/2023	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.11 (J)					<0.1			
6/7/2016							0.09 (J)	<0.1	
8/9/2016	0.09 (J)								
8/10/2016						0.04 (J)			
8/11/2016									
8/12/2016								0.08 (J)	
8/16/2016							0.09 (J)		
8/22/2016		0.04 (J)							
10/3/2016	0.11 (J)								
10/4/2016		0.06 (J)				0.06 (J)			
10/6/2016								0.06 (J)	
10/7/2016							0.17 (J)		
11/29/2016	0.11 (J)								
12/1/2016		0.08 (J)				0.09 (J)			
12/5/2016								0.12 (J)	
12/6/2016							0.16 (J)		
1/10/2017		0.03 (J)							
2/13/2017	0.12 (J)								
2/14/2017		<0.1				<0.1			
2/15/2017								0.33	
2/16/2017							0.38		
4/13/2017	0.1 (J)					0.04 (J)			
4/14/2017		0.01 (J)							
4/18/2017							0.12 (J)	0.006 (J)	
5/25/2017	0.08 (J)	0.005 (J)				0.02 (J)			
5/30/2017									
6/2/2017							0.03 (J)	0.04 (J)	
7/7/2017	0.13 (J)					0.12 (J)			
7/10/2017		0.06 (J)							
7/12/2017							0.15 (J)		
7/13/2017								0.17 (J)	
7/14/2017									
10/9/2017	0.11 (J)					<0.1			
10/10/2017		<0.1						0.08 (J)	
10/11/2017							0.07 (J)		
3/26/2018	<0.1	<0.1							
3/27/2018							<0.1		
3/28/2018								<0.1	
6/12/2018	0.086 (J)	0.053 (J)							
6/14/2018							0.046 (J)	<0.1	
10/16/2018	0.06 (J)	<0.1				<0.1			
10/17/2018								<0.1	
10/18/2018							<0.1		
2/25/2019	<0.1								
2/27/2019		<0.1							
2/28/2019							0.14 (J)	0.18 (J)	
4/1/2019	0.047 (J)	<0.1						0.065 (J)	
4/2/2019						<0.1	0.044 (J)		
4/3/2019			0.085 (J)						
5/2/2019	<0.1								
9/23/2019	0.076 (J)	<0.1				<0.1			
9/25/2019							0.075 (J)	0.13 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
9/26/2019									
9/27/2019			0.33						
2/18/2020	<0.1					<0.1			
2/19/2020		<0.1							
2/20/2020							<0.1		
2/21/2020			0.059 (J)						
2/24/2020								0.051 (J)	
3/18/2020	<0.1	<0.1							
3/19/2020						<0.1		<0.1	
3/20/2020			0.061 (J)						
3/23/2020							<0.1		
5/22/2020				0.054 (J)					0.065 (J)
5/25/2020					0.19 (J)				
6/23/2020				<0.1	0.19				<0.1
7/28/2020				<0.1	0.57				<0.1
9/2/2020				<0.1					0.061 (J)
9/3/2020					0.11				
9/23/2020	<0.1	<0.1				<0.1			
9/24/2020							<0.1		
9/25/2020			0.068 (J)					<0.1	
10/1/2020				<0.1	0.063 (J)				<0.1
11/10/2020				<0.1	<0.1				<0.1
12/15/2020				<0.1	<0.1				0.052
1/20/2021				<0.1	<0.1				<0.1
2/16/2021	<0.1	<0.1							
2/17/2021				<0.1	<0.1				
2/18/2021						<0.1	<0.1		0.055 (J)
2/19/2021			0.062 (J)					<0.1	
3/23/2021		<0.1							
3/24/2021								<0.1	<0.1
3/25/2021				<0.1	<0.1				
3/26/2021	<0.1								
3/30/2021							<0.1		
3/31/2021						<0.1			
4/1/2021			0.06 (J)						
8/16/2021	<0.1	<0.1		<0.1	<0.1	<0.1			
8/18/2021							<0.1	<0.1	<0.1
8/25/2021			0.088 (J)						
2/9/2022	<0.1			<0.1	0.065 (J)	<0.1			<0.1
2/10/2022		<0.1							
2/11/2022							<0.1	<0.1	
2/16/2022			0.061 (J)						
7/26/2022	0.066 (J)	0.058 (J)		0.064 (J)	0.086 (J)	0.052 (J)			0.082 (J)
7/27/2022								0.081 (J)	
7/28/2022							0.064 (J)		
8/3/2022			0.079 (J)						
1/24/2023	0.055 (J)	0.052 (J)		0.05 (J)	0.076 (J)				
1/25/2023						0.066 (J)			
1/26/2023								0.083 (J)	0.084 (J)
1/27/2023							0.058 (J)		
2/2/2023			0.077 (J)						

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.1
8/9/2016	
8/10/2016	
8/11/2016	0.12 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.08 (J)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.24 (J)
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.31
4/13/2017	
4/14/2017	
4/18/2017	0.02 (J)
5/25/2017	
5/30/2017	0.51
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.14 (J)
10/9/2017	
10/10/2017	
10/11/2017	0.29 (J)
3/26/2018	
3/27/2018	<0.1
3/28/2018	
6/12/2018	0.061 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.1
2/25/2019	0.13 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.23 (J)
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
9/26/2019	<0.1
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.1
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.052 (J)
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.059 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.064 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.053 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.1
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.056 (J)
2/16/2022	
7/26/2022	
7/27/2022	0.091 (J)
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.091 (J)
1/27/2023	
2/2/2023	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.15 (J)								
6/8/2016		0.1 (J)	<0.1	0.09 (J)	<0.1	0.43			0.14 (J)
6/9/2016							0.12 (J)	<0.1	
8/11/2016	0.3 (J)								
8/12/2016		0.39	0.2 (J)	0.04 (J)					
8/15/2016									0.08 (J)
8/18/2016					0.09 (J)	0.3 (J)	0.08 (J)	0.24 (J)	
10/7/2016	0.14 (J)	0.16 (J)	0.07 (J)						
10/10/2016				0.06 (J)	0.04 (J)	0.32	0.09 (J)	0.3	0.1 (J)
12/6/2016	0.19 (J)	0.32							
12/7/2016			0.09 (J)	0.07 (J)			0.08 (J)	0.05 (J)	
12/8/2016					0.08 (J)	0.26 (J)			0.06 (J)
1/23/2017									
2/7/2017									
2/16/2017	0.51	0.38	0.6						
2/17/2017				0.06 (J)	0.08 (J)	0.39			
2/20/2017							0.09 (J)	0.65	0.16 (J)
3/27/2017									
4/17/2017									
4/19/2017	0.18 (J)	0.08 (J)	0.09 (J)	0.005 (J)	0.04 (J)		0.03 (J)	0.21 (J)	
4/20/2017						0.34			0.02 (J)
5/22/2017									
5/30/2017	0.15 (J)								
6/1/2017		0.09 (J)	0.05 (J)	0.65	0.03 (J)				0.04 (J)
6/5/2017						0.29 (J)	<0.1	0.05 (J)	
7/11/2017									
7/14/2017	0.16 (J)	0.06 (J)	0.08 (J)						
7/17/2017							0.09 (J)	2.5	0.07 (J)
7/18/2017				0.36	0.08 (J)				
7/19/2017						0.33			
8/23/2017									
10/10/2017									
10/11/2017	0.64	0.14 (J)	0.11 (J)	<0.1			0.09 (J)	1.8	0.11 (J)
10/12/2017					0.12 (J)	0.31			
3/26/2018									
3/27/2018	0.33	<0.1	<0.1						
3/28/2018				<0.1	<0.1				<0.1
3/29/2018						0.58	<0.1	2	
6/13/2018				0.038 (J)			0.71	3.1	
6/14/2018	0.11 (J)	0.095 (J)			<0.1	0.15 (J)			<0.1
6/15/2018			0.07 (J)						
10/17/2018	<0.3								
10/18/2018		0.054 (J)							
10/19/2018			0.17 (J)		<0.1				
10/22/2018				<0.1		0.78	0.81	3.1	<0.1
2/27/2019	0.26 (J)	<0.1		0.13 (J)					
3/1/2019			0.14 (J)			0.34	0.38	1	0.12 (J)
4/2/2019	0.14 (J)	0.044 (J)							
4/3/2019			0.051 (J)	0.072 (J)	0.032 (J)	0.23 (J)	0.1 (J)	3	
4/4/2019									<0.1
5/2/2019						1.4			
9/26/2019	0.071 (J)	0.052 (J)	<0.1	<0.1					

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/27/2019						1	0.54		
9/30/2019					0.066 (J)			1.2	0.065 (J)
2/24/2020	0.11 (J)	<0.1	0.05 (J)	<0.1					
2/25/2020						0.24 (J)	0.066 (J)		
2/26/2020					<0.1			0.064 (J)	<0.1
3/19/2020	0.12 (J)								
3/20/2020		<0.1	<0.1		<0.1	0.23 (J)			
3/23/2020				<0.1			0.056 (J)		
3/24/2020									<0.1
3/25/2020								0.056 (J)	
9/24/2020	0.12	0.058 (J)			<0.1	0.24	0.062 (J)		
9/25/2020								0.054 (J)	
9/28/2020			<0.1	<0.1					<0.1
2/18/2021	0.1	<0.1	<0.1	<0.1					
2/19/2021					<0.1	0.2	<0.1	0.14	
2/23/2021									<0.1
3/8/2021									
3/24/2021	0.11	<0.1							
3/25/2021									
3/26/2021			0.053 (J)				0.054 (J)	0.095 (J)	<0.1
3/29/2021				<0.1	<0.1	0.22			
7/19/2021						0.24	0.065 (J)	0.13	
7/20/2021									
8/19/2021	0.097 (J)	<0.1							<0.1
8/20/2021			<0.1	<0.1	<0.1				
8/23/2021						0.23	<0.1	0.12	
11/1/2021						0.25	0.068 (J)	0.15	
2/11/2022	0.1								
2/14/2022							<0.1		
2/15/2022						0.24		<0.1	
2/16/2022		<0.1	<0.1	<0.1	<0.1				<0.1
7/27/2022	0.13	0.081 (J)	0.071 (J)	0.062 (J)					0.051 (J)
7/28/2022					<0.1				
8/1/2022							0.07 (J)		
8/2/2022						0.19		0.097 (J)	
10/21/2022								0.14 (R)	
1/26/2023	0.13	0.056 (J)							
1/27/2023			0.077 (J)		<0.1				0.053 (J)
1/30/2023				0.064 (J)					
2/1/2023								0.18	
2/2/2023							0.074 (J)		
2/7/2023						0.26			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.06 (J)
2/7/2017	0.09 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.09 (J)
4/17/2017	0.36
4/19/2017	
4/20/2017	
5/22/2017	0.05 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.32
7/11/2017	0.13 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.17 (J)
10/10/2017	0.35
10/11/2017	
10/12/2017	
3/26/2018	0.75
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.51
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.44
2/27/2019	
3/1/2019	0.24 (J)
4/2/2019	0.68
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/27/2019	0.13 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	0.057 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.054 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.1
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.1
3/24/2021	
3/25/2021	<0.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	<0.1
8/19/2021	<0.1
8/20/2021	
8/23/2021	
11/1/2021	0.055 (J)
2/11/2022	
2/14/2022	0.075 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.09 (J)
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.092 (J)
2/2/2023	
2/7/2023	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					<0.3				
10/18/2018	<0.1								
10/19/2018			<0.1						
10/22/2018		0.65		0.91					
4/2/2019					0.44				
4/4/2019	<0.1		0.035 (J)	0.26 (J)					
4/5/2019		0.66							
5/3/2019		1.3							
9/24/2019	<0.1		<0.1						
9/26/2019		0.15 (J)		0.11 (J)					
9/27/2019					0.26 (J)				
11/15/2019		0.51							
12/13/2019								0.16 (J)	
12/16/2019									0.13 (J)
2/25/2020				0.14 (J)		0.57			
2/26/2020	<0.1				0.13 (J)				
2/27/2020		0.13 (J)	<0.1				0.55	0.071 (J)	
2/28/2020									0.062 (J)
3/23/2020	<0.1				0.13 (J)				
3/24/2020		0.13 (J)	<0.1			0.43	0.61	0.06 (J)	
3/25/2020				0.17 (J)					<0.1
5/4/2020									
9/2/2020							0.47		
9/25/2020		0.097 (J)		0.17		0.34			
9/28/2020	<0.1		<0.1		0.1				
9/29/2020								<0.1	<0.1
2/19/2021			<0.1						
2/22/2021	<0.1			0.21		0.3		0.095 (J)	<0.1
2/23/2021		0.13							
3/8/2021					0.14				
3/9/2021							0.67		
3/25/2021					0.12				
3/26/2021				0.13		0.27			
3/29/2021	<0.1						0.73		
3/30/2021		0.14	<0.1						0.06 (J)
3/31/2021								0.08 (J)	
8/19/2021							0.4		
8/20/2021	<0.1			0.22		0.18			
8/23/2021					0.11				
8/24/2021			<0.1					0.18	0.076 (J)
8/25/2021		0.15							
11/1/2021							0.32		
2/14/2022					0.12		0.34		
2/15/2022									
2/16/2022	<0.1	0.13	<0.1					0.11	0.068 (J)
2/17/2022				0.21		0.16			
7/28/2022	<0.1		0.053 (J)	0.23		0.19			0.092 (J)
7/29/2022		0.16			0.14				
8/2/2022							0.46	0.12	
1/27/2023	<0.1								
1/30/2023			0.06 (J)	0.17		0.16			
1/31/2023		0.13							0.084 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/1/2023					0.13				
2/2/2023								0.098 (J)	
2/7/2023							0.11		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	<0.1
9/2/2020	0.088 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.099 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.077 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.11
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	0.07 (J)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.1
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

2/1/2023 0.084 (J)
2/2/2023
2/7/2023

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.1
6/8/2016								0.19 (J)	
8/10/2016									0.07 (J)
8/11/2016								0.15 (J)	
10/4/2016									0.07 (J)
10/5/2016									
10/6/2016								0.17 (J)	
12/2/2016									0.09 (J)
12/5/2016									
12/6/2016								0.22 (J)	
2/14/2017									0.02 (J)
2/15/2017								0.18 (J)	
4/14/2017									0.02 (J)
4/17/2017									
4/18/2017								0.11 (J)	
5/26/2017									0.02 (J)
6/2/2017								0.07 (J)	
7/10/2017									0.03 (J)
7/11/2017									
7/14/2017								0.23 (J)	
10/10/2017									<0.1
10/11/2017								0.1 (J)	
3/26/2018									<0.1
3/27/2018								<0.3	
6/12/2018									0.061 (J)
6/13/2018								0.25 (J)	
10/16/2018									<0.1
10/17/2018									
10/18/2018								0.047 (J)	
2/25/2019									<0.1
2/28/2019								0.23 (J)	
4/1/2019									<0.1
4/2/2019								0.22 (J)	
9/24/2019								0.12 (J)	<0.1
2/19/2020									<0.1
2/20/2020									
2/21/2020								0.12 (J)	
3/18/2020									<0.1
3/19/2020								0.12 (J)	
5/4/2020		0.93	<0.1						
5/11/2020	0.34								
5/20/2020	0.4	0.78							
9/3/2020	0.5	0.87	<0.1						
9/23/2020									<0.1
9/24/2020									
9/25/2020								0.11	
1/28/2021						0.17	0.1		
2/16/2021									<0.1
2/17/2021									
2/18/2021			0.16					0.13	
2/22/2021	0.69								

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
2/23/2021						0.087 (J)	0.073 (J)		
3/8/2021		0.9							
3/24/2021									<0.1
3/29/2021		1							
3/30/2021						0.11	0.12	0.18	
3/31/2021			0.088 (J)						
4/1/2021	0.72								
4/19/2021				0.055 (J)	0.078 (J)				
7/20/2021		1.2							
8/18/2021			<0.1		<0.1				<0.1
8/19/2021								0.12	
8/20/2021	0.56								
8/23/2021		1.2				0.084 (J)	0.093 (J)		
8/24/2021				<0.1					
2/9/2022			0.11		0.08 (J)				
2/10/2022									<0.1
2/11/2022								0.12	
2/14/2022						0.13	0.1		
2/15/2022		0.89							
2/17/2022	0.61			<0.1					
7/26/2022			<0.1		0.12				0.067 (J)
7/28/2022	0.55						0.14	0.16	
8/1/2022		0.86		0.087 (J)		0.16			
1/25/2023			0.28		0.16				
1/26/2023								0.15	0.063 (J)
1/30/2023	0.64								
1/31/2023						0.15	0.14		
2/1/2023				0.085 (J)					
2/7/2023		0.97							

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.12 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.27 (J)
10/4/2016	
10/5/2016	0.12 (J)
10/6/2016	
12/2/2016	
12/5/2016	0.26 (J)
12/6/2016	
2/14/2017	
2/15/2017	0.46
4/14/2017	
4/17/2017	0.14 (J)
4/18/2017	
5/26/2017	0.13 (J)
6/2/2017	
7/10/2017	
7/11/2017	0.2 (J)
7/14/2017	
10/10/2017	0.61
10/11/2017	
3/26/2018	
3/27/2018	0.36
6/12/2018	0.13 (J)
6/13/2018	
10/16/2018	
10/17/2018	0.13 (J)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.33
4/2/2019	
9/24/2019	0.096 (J)
2/19/2020	
2/20/2020	0.063 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.074 (J)
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.091 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.086 (J)
2/18/2021	
2/22/2021	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
2/23/2021	
3/8/2021	
3/24/2021	0.075 (J)
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	0.073 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.071 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.11
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.09 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.0024					<0.001			
6/7/2016							<0.001	<0.001	
8/9/2016	<0.001								
8/10/2016						<0.001			
8/11/2016									
8/12/2016								0.0001 (J)	
8/16/2016							<0.001		
8/22/2016		<0.001							
10/3/2016	<0.001								
10/4/2016		<0.001				<0.001			
10/6/2016								0.0002 (J)	
10/7/2016							<0.001		
11/29/2016	0.0002 (J)								
12/1/2016		<0.001				<0.001			
12/5/2016								0.0003 (J)	
12/6/2016							<0.001		
1/10/2017		<0.001							
2/13/2017	<0.001								
2/14/2017		<0.001				<0.001			
2/15/2017								<0.001	
2/16/2017							<0.001		
4/13/2017	<0.001					<0.001			
4/14/2017		<0.001							
4/18/2017							<0.001	<0.001	
5/25/2017	0.0001 (J)	<0.001				<0.001			
5/30/2017									
6/2/2017							<0.001	0.0001 (J)	
7/7/2017	<0.001					<0.001			
7/10/2017		<0.001							
7/12/2017							<0.001		
7/13/2017								0.0001 (J)	
7/14/2017									
3/26/2018	<0.001	<0.001							
3/27/2018							<0.001		
3/28/2018								<0.001	
2/25/2019	<0.001								
2/27/2019		<0.001							
2/28/2019							<0.001	<0.001	
4/1/2019	<0.001	<0.001						<0.001	
4/2/2019						7E-05 (J)	<0.001		
4/3/2019			<0.001						
9/23/2019	<0.001	<0.001				<0.001			
9/25/2019							0.00019 (J)	0.00063 (J)	
9/26/2019									
9/27/2019			<0.001						
2/18/2020	<0.001					<0.001			
2/19/2020		<0.001							
2/20/2020							0.00014 (J)		
2/21/2020			<0.001						
2/24/2020								<0.001	
3/18/2020	<0.001	<0.001							
3/19/2020						<0.001		<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.001						
3/23/2020							<0.001		
5/22/2020				8.9E-05 (J)					7.3E-05 (J)
5/25/2020					0.00013 (J)				
6/23/2020				5.8E-05 (J)	8.1E-05 (J)				<0.001
7/28/2020				5.7E-05 (J)	5.2E-05 (J)				<0.001
9/2/2020				7.4E-05 (J)					<0.001
9/3/2020					3.8E-05 (J)				
9/23/2020	0.00014 (J)	<0.001				6.4E-05 (J)			
9/24/2020							<0.001		
9/25/2020			4.5E-05 (J)					<0.001	
10/1/2020				0.00021 (J)	0.00014 (J)				6.2E-05 (J)
11/10/2020				6.5E-05 (J)	0.00013 (J)				0.00011 (J)
12/15/2020				8E-05 (J)	0.00011 (J)				5.6E-05 (J)
1/20/2021				7.2E-05 (J)	0.00025 (J)				<0.001
2/16/2021	0.00011 (J)	4.2E-05 (J)							
2/17/2021				0.00015 (J)	0.00026 (J)				
2/18/2021						5.7E-05 (J)	<0.001		<0.001
2/19/2021			<0.001					8.7E-05 (J)	
3/23/2021		<0.001							
3/24/2021								0.00013 (J)	<0.001
3/25/2021				<0.001	0.00011 (J)				
3/26/2021	6.8E-05 (J)								
3/30/2021							<0.001		
3/31/2021						0.00016 (J)			
4/1/2021			<0.001						
8/16/2021	<0.001	<0.001		<0.001	<0.001	<0.001			
8/18/2021							<0.001	<0.001	<0.001
8/25/2021			<0.001						
2/9/2022	<0.001			<0.001	<0.001	<0.001			<0.001
2/10/2022		<0.001							
2/11/2022							<0.001	<0.001	
2/16/2022			<0.001						
7/26/2022	<0.001	<0.001		<0.001	<0.001	<0.001			<0.001
7/27/2022								<0.001	
7/28/2022							<0.001		
8/3/2022			<0.001						
1/24/2023	<0.001	<0.001		<0.001	<0.001				
1/25/2023						<0.001			
1/26/2023								<0.001	<0.001
1/27/2023							<0.001		
2/2/2023			<0.001						

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.001
8/9/2016	
8/10/2016	
8/11/2016	<0.001
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.001
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.001
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.001
4/13/2017	
4/14/2017	
4/18/2017	<0.001
5/25/2017	
5/30/2017	0.0001 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0002 (J)
3/26/2018	
3/27/2018	<0.001
3/28/2018	
2/25/2019	<0.001
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.001
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.00034 (J)
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	0.00014 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00013 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.00021 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.00013 (J)
2/19/2021	
3/23/2021	
3/24/2021	8E-05 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.001
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.001
2/16/2022	
7/26/2022	
7/27/2022	<0.001
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.001
1/27/2023	
2/2/2023	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.001								
6/8/2016		<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
6/9/2016							<0.001	0.00059 (J)	
8/11/2016	<0.001								
8/12/2016		0.0001 (J)	<0.001	<0.001					
8/15/2016									0.0005 (J)
8/18/2016					<0.001	<0.001	<0.001	<0.001	
10/7/2016	<0.001	<0.001	<0.001						
10/10/2016				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12/6/2016	<0.001	0.0001 (J)							
12/7/2016			<0.001	<0.001			<0.001	<0.001	
12/8/2016					<0.001	<0.001			0.0006 (J)
1/23/2017									
2/7/2017									
2/16/2017	<0.001	0.0002 (J)	<0.001						
2/17/2017				<0.001	<0.001	<0.001			
2/20/2017							<0.001	<0.001	0.0004 (J)
3/27/2017									
4/17/2017									
4/19/2017	<0.001	0.0001 (J)	0.0006 (J)	<0.001	<0.001		<0.001	<0.001	
4/20/2017						<0.001			0.0002 (J)
5/22/2017									
5/30/2017	<0.001								
6/1/2017		9E-05 (J)	<0.001	0.0001 (J)	<0.001				7E-05 (J)
6/5/2017						<0.001	<0.001	7E-05 (J)	
7/11/2017									
7/14/2017	<0.001	0.0001 (J)	<0.001						
7/17/2017							<0.001	<0.001	<0.001
7/18/2017				<0.001	<0.001				
7/19/2017						<0.001			
8/23/2017									
3/26/2018									
3/27/2018	<0.001	<0.001	<0.001						
3/28/2018				<0.001	<0.001				<0.001
3/29/2018						<0.001	<0.001	<0.001	
2/27/2019	<0.001	<0.001		<0.001					
3/1/2019			<0.001			0.00033 (J)	<0.001	<0.001	<0.001
4/2/2019	<0.001	8.1E-05 (J)							
4/3/2019			<0.001	<0.001	6.8E-05 (J)	<0.001	<0.001	<0.001	
4/4/2019									<0.001
9/26/2019	<0.001	<0.001	<0.001	<0.001					
9/27/2019						5.4E-05 (J)	<0.001		
9/30/2019					7.3E-05 (J)			<0.001	<0.001
2/24/2020	7.9E-05 (J)	<0.001	<0.001	<0.001					
2/25/2020						<0.001	<0.001		
2/26/2020					5.3E-05 (J)			<0.001	<0.001
3/19/2020	<0.001								
3/20/2020		<0.001	<0.001		6E-05 (J)	<0.001			
3/23/2020				<0.001			<0.001		
3/24/2020									<0.001
3/25/2020								5.4E-05 (J)	
9/24/2020	<0.001	<0.001			5E-05 (J)	0.00014 (J)	0.00014 (J)		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.0001 (J)	
9/28/2020			3.8E-05 (J)	8.3E-05 (J)					5.1E-05 (J)
2/18/2021	<0.001	<0.001	<0.001	<0.001					
2/19/2021					8.7E-05 (J)	0.00011 (J)	<0.001	4.3E-05 (J)	
2/23/2021									7.4E-05 (J)
3/8/2021									
3/24/2021	<0.001	<0.001							
3/25/2021									
3/26/2021			<0.001				0.00031 (J)	7.1E-05 (J)	0.00013 (J)
3/29/2021				<0.001	9.4E-05 (J)	6.1E-05 (J)			
8/19/2021	<0.001	<0.001							<0.001
8/20/2021			<0.001	<0.001	<0.001				
8/23/2021						<0.001	<0.001	<0.001	
2/11/2022	<0.001								
2/14/2022							<0.001		
2/15/2022						<0.001		<0.001	
2/16/2022		<0.001	<0.001	<0.001	<0.001				<0.001
7/27/2022	<0.001	<0.001	<0.001	<0.001					<0.001
7/28/2022					<0.001				
8/1/2022							<0.001		
8/2/2022						<0.001		<0.001	
10/21/2022								<0.001 (R)	
1/26/2023	<0.001	<0.001							
1/27/2023			<0.001		<0.001				<0.001
1/30/2023				<0.001					
2/1/2023								<0.001	
2/2/2023							<0.001		
2/7/2023						<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0003 (J)
2/7/2017	0.0002 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	8E-05 (J)
4/17/2017	<0.001
4/19/2017	
4/20/2017	
5/22/2017	<0.001
5/30/2017	
6/1/2017	
6/5/2017	<0.001
7/11/2017	8E-05 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	<0.001
3/26/2018	<0.001
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.001
4/2/2019	<0.001
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00018 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	0.00035 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.00011 (J)
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	0.00016 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.00018 (J)
3/24/2021	
3/25/2021	0.00015 (J)
3/26/2021	
3/29/2021	
8/19/2021	<0.001
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.001
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.001
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.001
2/2/2023	
2/7/2023	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					0.00067 (J)				
4/4/2019	0.00065 (J)		5.4E-05 (J)	0.00023 (J)					
4/5/2019		<0.001							
9/24/2019	0.0004 (J)		<0.001						
9/26/2019		<0.001		6.9E-05 (J)					
9/27/2019					0.0005 (J)				
2/25/2020				0.00025 (J)		0.00011 (J)			
2/26/2020	7.6E-05 (J)				0.00033 (J)				
2/27/2020		<0.001	<0.001				0.00025 (J)	<0.001	
2/28/2020									0.00014 (J)
3/23/2020	0.00028 (J)				0.00014 (J)				
3/24/2020		<0.001	<0.001			7.3E-05 (J)	0.00016 (J)	0.0001 (J)	
3/25/2020				0.00018 (J)					0.00017 (J)
9/2/2020							0.00022 (J)		
9/25/2020		0.00011 (J)		0.00037 (J)		0.00029 (J)			
9/28/2020	0.0013 (J)		<0.001		0.00017 (J)				
9/29/2020								<0.001	0.00024 (J)
2/19/2021			<0.001						
2/22/2021	0.00045 (J)			0.00011 (J)		8.2E-05 (J)		<0.001	0.00014 (J)
2/23/2021		7.2E-05 (J)							
3/8/2021					0.00011 (J)				
3/9/2021							<0.001		
3/25/2021					<0.001				
3/26/2021				<0.001		<0.001			
3/29/2021	0.00061 (J)						<0.001		
3/30/2021		<0.001	<0.001						0.00018 (J)
3/31/2021								<0.001	
8/19/2021							<0.001		
8/20/2021	<0.001			<0.001		<0.001			
8/23/2021					<0.001				
8/24/2021			<0.001					<0.001	<0.001
8/25/2021		<0.001							
2/14/2022					<0.001		<0.001		
2/15/2022									
2/16/2022	<0.001	<0.001	<0.001					<0.001	<0.001
2/17/2022				<0.001		<0.001			
7/28/2022	<0.001		<0.001	<0.001		<0.001			<0.001
7/29/2022		<0.001			<0.001				
8/2/2022							<0.001	<0.001	
1/27/2023	<0.001								
1/30/2023			<0.001	<0.001		<0.001			
1/31/2023		<0.001							<0.001
2/1/2023					<0.001				
2/2/2023								<0.001	
2/7/2023							<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.001
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.001
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	3.6E-05 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.001
8/25/2021	
2/14/2022	
2/15/2022	<0.001
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.001
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.001
2/2/2023	
2/7/2023	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.001
6/8/2016								<0.001	
8/10/2016									<0.001
8/11/2016								<0.001	
10/4/2016									<0.001
10/5/2016									
10/6/2016								<0.001	
12/2/2016									<0.001
12/5/2016									
12/6/2016								<0.001	
2/14/2017									<0.001
2/15/2017								<0.001	
4/14/2017									<0.001
4/17/2017									
4/18/2017								<0.001	
5/26/2017									0.0003 (J)
6/2/2017								<0.001	
7/10/2017									<0.001
7/11/2017									
7/14/2017								<0.001	
3/26/2018									<0.001
3/27/2018								<0.001	
2/25/2019									<0.001
2/28/2019								<0.001	
4/1/2019									<0.001
4/2/2019								<0.001	
9/24/2019								<0.001	<0.001
2/19/2020									0.00014 (J)
2/20/2020									
2/21/2020								<0.001	
3/18/2020									<0.001
3/19/2020								<0.001	
9/3/2020	<0.001	0.00012 (J)	<0.001						
9/23/2020									<0.001
9/24/2020									
9/25/2020								<0.001	
1/28/2021						0.00016 (J)	5.4E-05 (J)		
2/16/2021									0.0001 (J)
2/17/2021									
2/18/2021			0.00017 (J)					<0.001	
2/22/2021	4.1E-05 (J)								
2/23/2021						0.00015 (J)	0.0001 (J)		
3/8/2021		<0.001							
3/24/2021									0.00015 (J)
3/29/2021		<0.001							
3/30/2021						0.00022 (J)	0.00011 (J)	<0.001	
3/31/2021			<0.001						
4/1/2021	4.4E-05 (J)								
4/19/2021				4.4E-05 (J)	0.00014 (J)				
8/18/2021			<0.001		<0.001				<0.001
8/19/2021								<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.001								
8/23/2021		<0.001				<0.001	<0.001		
8/24/2021				<0.001					
2/9/2022			<0.001		<0.001				
2/10/2022									<0.001
2/11/2022								<0.001	
2/14/2022						<0.001	<0.001		
2/15/2022		<0.001							
2/17/2022	<0.001			<0.001					
7/26/2022			<0.001		<0.001				<0.001
7/28/2022	<0.001						<0.001	<0.001	
8/1/2022		<0.001		<0.001		<0.001			
1/25/2023			<0.001		<0.001				
1/26/2023								<0.001	<0.001
1/30/2023	<0.001								
1/31/2023						<0.001	<0.001		
2/1/2023				<0.001					
2/7/2023		<0.001							

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.001
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.001
10/4/2016	
10/5/2016	0.0005 (J)
10/6/2016	
12/2/2016	
12/5/2016	0.0002 (J)
12/6/2016	
2/14/2017	
2/15/2017	<0.001
4/14/2017	
4/17/2017	0.0001 (J)
4/18/2017	
5/26/2017	0.0001 (J)
6/2/2017	
7/10/2017	
7/11/2017	<0.001
7/14/2017	
3/26/2018	
3/27/2018	<0.001
2/25/2019	
2/28/2019	
4/1/2019	9.2E-05 (J)
4/2/2019	
9/24/2019	5.6E-05 (J)
2/19/2020	
2/20/2020	8.2E-05 (J)
2/21/2020	
3/18/2020	
3/19/2020	6.3E-05 (J)
9/3/2020	
9/23/2020	
9/24/2020	<0.001
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	7.5E-05 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.001
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.001
8/19/2021	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.001
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.001
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.001
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.03					<0.03			
6/7/2016							0.0065	<0.03	
8/9/2016	<0.03								
8/10/2016						<0.03			
8/11/2016									
8/12/2016								<0.03	
8/16/2016							<0.03		
8/22/2016		<0.03							
10/3/2016	<0.03								
10/4/2016		<0.03				<0.03			
10/6/2016								<0.03	
10/7/2016							<0.03		
11/29/2016	<0.03								
12/1/2016		<0.03				<0.03			
12/5/2016								<0.03	
12/6/2016							<0.03		
1/10/2017		<0.03							
2/13/2017	<0.03								
2/14/2017		<0.03				<0.03			
2/15/2017								<0.03	
2/16/2017							<0.03		
4/13/2017	<0.03					<0.03			
4/14/2017		<0.03							
4/18/2017		<0.03					0.0011 (J)	<0.03	
5/25/2017	<0.03	<0.03				<0.03			
5/30/2017									
6/2/2017							0.0011 (J)	<0.03	
7/7/2017	<0.03					<0.03			
7/10/2017		<0.03							
7/12/2017							<0.03		
7/13/2017								<0.03	
7/14/2017									
3/26/2018	<0.03	<0.03							
3/27/2018							0.0025 (J)		
3/28/2018								<0.03	
6/12/2018	<0.03	<0.03							
6/14/2018							0.0011 (J)	<0.03	
10/16/2018	<0.03	<0.03				<0.03			
10/17/2018								<0.03	
10/18/2018							0.0016 (J)		
2/25/2019	<0.03								
2/27/2019		<0.03							
2/28/2019							0.0017 (J)	0.0011 (J)	
4/1/2019	<0.03	0.00059 (J)						0.00078 (J)	
4/2/2019						<0.03	0.0012 (J)		
4/3/2019			<0.03						
9/23/2019	<0.03	0.00089 (J)				<0.03			
9/25/2019							<0.03	0.001 (J)	
9/26/2019									
9/27/2019			<0.03						
2/18/2020	<0.03					<0.03			
2/19/2020		<0.03							

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							0.00093 (J)		
2/21/2020			<0.03						
2/24/2020								0.00091 (J)	
3/18/2020	<0.03	<0.03							
3/19/2020						<0.03		0.00097 (J)	
3/20/2020			<0.03						
3/23/2020							0.00084 (J)		
5/22/2020				<0.03					<0.03
5/25/2020					0.0011 (J)				
6/23/2020				<0.03	<0.03				<0.03
7/28/2020				<0.03	0.0014 (J)				<0.03
9/2/2020				<0.03					0.00095 (J)
9/3/2020					0.0014 (J)				
9/23/2020	<0.03	0.00085 (J)				<0.03			
9/24/2020							0.0013 (J)		
9/25/2020			<0.03					0.001 (J)	
10/1/2020				<0.03	0.0011 (J)				0.00095 (J)
11/10/2020				<0.03	<0.03				<0.03
12/15/2020				<0.03	0.00089				0.00091
1/20/2021				<0.03	0.00091 (J)				0.00082 (J)
2/16/2021	<0.03	<0.03							
2/17/2021				<0.03	0.00099 (J)				
2/18/2021						<0.03	0.0011 (J)		<0.03
2/19/2021			<0.03					0.0011 (J)	
3/23/2021		0.00087 (J)							
3/24/2021								0.0012 (J)	<0.03
3/25/2021				<0.03	<0.03				
3/26/2021	<0.03								
3/30/2021							0.00092 (J)		
3/31/2021						0.00082 (J)			
4/1/2021			<0.03						
8/16/2021	<0.03	0.00093 (J)		<0.03	<0.03	<0.03			
8/18/2021							<0.03	0.0013 (J)	0.00087 (J)
8/25/2021			<0.03						
2/9/2022	<0.03			0.00083 (J)	<0.03	<0.03			<0.03
2/10/2022		<0.03							
2/11/2022							0.00079 (J)	0.0011 (J)	
2/16/2022			<0.03						
7/26/2022	<0.03	0.00095 (J)		0.00073 (J)	<0.03	<0.03			0.0011 (J)
7/27/2022								0.0014 (J)	
7/28/2022							0.00076 (J)		
8/3/2022			<0.03						
1/24/2023	<0.03	<0.03		<0.03	<0.03				
1/25/2023						<0.03			
1/26/2023								0.0013 (J)	0.00077 (J)
1/27/2023							0.00082 (J)		
2/2/2023			<0.03						

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.03
8/9/2016	
8/10/2016	
8/11/2016	<0.03
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.03
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.03
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.03
4/13/2017	
4/14/2017	
4/18/2017	<0.03
5/25/2017	
5/30/2017	<0.03
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.03
3/26/2018	
3/27/2018	<0.03
3/28/2018	
6/12/2018	<0.03
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.03
2/25/2019	<0.03
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.00049 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.03
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	<0.03
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.03
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.03
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.03
2/19/2021	
3/23/2021	
3/24/2021	<0.03
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.03
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.03
2/16/2022	
7/26/2022	
7/27/2022	<0.03
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.03
1/27/2023	
2/2/2023	

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.03								
6/8/2016		<0.03	<0.03	0.016	<0.03	0.012			<0.03
6/9/2016							0.0074	0.0057	
8/11/2016	<0.03								
8/12/2016		<0.03	<0.03	0.0202 (J)					
8/15/2016									<0.03
8/18/2016					<0.03	0.0118 (J)	0.0078 (J)	0.0061 (J)	
10/7/2016	<0.03	<0.03	<0.03						
10/10/2016				0.0194 (J)	<0.03	0.0137 (J)	0.0093 (J)	0.006 (J)	<0.03
12/6/2016	<0.03	<0.03							
12/7/2016			<0.03	0.0265 (J)			0.0117 (J)	0.0066 (J)	
12/8/2016					<0.03	0.0154 (J)			<0.03
1/23/2017									
2/7/2017									
2/16/2017	<0.03	<0.03	<0.03						
2/17/2017				0.0253 (J)	<0.03	0.0125 (J)			
2/20/2017							0.011 (J)	0.0053 (J)	<0.03
3/27/2017									
4/17/2017									
4/19/2017	<0.03	<0.03	<0.03	0.0233 (J)	<0.03		0.0105 (J)	0.0055 (J)	
4/20/2017						0.012 (J)			<0.03
5/22/2017									
5/30/2017	<0.03								
6/1/2017		<0.03	<0.03	0.023 (J)	<0.03				<0.03
6/5/2017						0.0114 (J)	0.0108 (J)	0.0068 (J)	
7/11/2017									
7/14/2017	<0.03	<0.03	<0.03						
7/17/2017							0.0095 (J)	<0.03	<0.03
7/18/2017				0.0207 (J)	<0.03				
7/19/2017						0.0126 (J)			
8/23/2017									
3/26/2018									
3/27/2018	<0.03	<0.03	<0.03						
3/28/2018				0.013 (J)	<0.03				<0.03
3/29/2018						0.021 (J)	0.014 (J)	0.0053 (J)	
6/13/2018				0.02 (J)			0.014 (J)	0.0067 (J)	
6/14/2018	<0.03	<0.03			<0.03	0.024 (J)			<0.03
6/15/2018			<0.03						
10/17/2018	<0.03								
10/18/2018		<0.03							
10/19/2018			<0.03		<0.03				
10/22/2018				0.016 (J)		0.034 (J)	0.016 (J)	0.0075 (J)	<0.03
2/27/2019	<0.03	<0.03		0.015 (J)					
3/1/2019			<0.03			0.022 (J)	0.017 (J)	0.0068 (J)	<0.03
4/2/2019	0.00069 (J)	<0.03							
4/3/2019			<0.03	0.012 (J)	<0.03	0.024 (J)	0.013 (J)	0.0048 (J)	
4/4/2019									<0.03
9/26/2019	<0.03	<0.03	<0.03	0.018 (J)					
9/27/2019						0.039	0.024 (J)		
9/30/2019					<0.03			0.0077 (J)	<0.03
2/24/2020	<0.03	<0.03	<0.03	0.021 (J)					
2/25/2020						0.026 (J)	0.033		

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					<0.03			0.0082 (J)	<0.03
3/19/2020	<0.03								
3/20/2020		<0.03	<0.03		<0.03	0.029 (J)			
3/23/2020				0.02 (J)			0.032		
3/24/2020									<0.03
3/25/2020								0.0078 (J)	
9/24/2020	<0.03	<0.03			<0.03	0.043	0.031		
9/25/2020								0.0078 (J)	
9/28/2020			<0.03	0.027 (J)					<0.03
2/18/2021	<0.03	<0.03	<0.03	0.041					
2/19/2021					<0.03	0.035	0.04	0.0086 (J)	
2/23/2021									<0.03
3/8/2021									
3/24/2021	<0.03	<0.03							
3/25/2021									
3/26/2021			<0.03				0.039 (J)	<0.03	<0.03
3/29/2021				0.036	<0.03	0.033			
8/19/2021	<0.03	<0.03							<0.03
8/20/2021			<0.03	0.025 (J)	<0.03				
8/23/2021						0.028 (J)	0.029 (J)	0.0076 (J)	
2/11/2022	<0.03								
2/14/2022							0.033		
2/15/2022						0.032 (J)		0.0086 (J)	
2/16/2022		<0.03	<0.03	0.031	<0.03				<0.03
7/27/2022	<0.03	<0.03	<0.03	0.037					<0.03
7/28/2022					<0.03				
8/1/2022							0.029 (J)		
8/2/2022						0.03 (J)		<0.03	
10/21/2022								0.0057 (J)	
1/26/2023	<0.03	<0.03							
1/27/2023			<0.03		<0.03				<0.03
1/30/2023				0.059					
2/1/2023								0.0063 (J)	
2/2/2023							0.025 (J)		
2/7/2023						0.018 (J)			

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0171 (J)
2/7/2017	0.0196 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0192 (J)
4/17/2017	0.0169 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0167 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0177 (J)
7/11/2017	0.0203 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0182 (J)
3/26/2018	0.0063 (J)
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.0049 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.005 (J)
2/27/2019	
3/1/2019	0.0044 (J)
4/2/2019	0.0041 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.0012 (J)
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	0.00096 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.0014 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.0011 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0012 (J)
3/24/2021	
3/25/2021	<0.03
3/26/2021	
3/29/2021	
8/19/2021	0.0012 (J)
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.0015 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0012 (J)
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.0018 (J)
2/2/2023	
2/7/2023	

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.0044 (J)				
10/18/2018	<0.03								
10/19/2018			0.00098 (J)						
10/22/2018		<0.03		0.011 (J)					
4/2/2019					0.0021 (J)				
4/4/2019	<0.03		0.00068 (J)	0.0096 (J)					
4/5/2019		<0.03							
9/24/2019	<0.03		<0.03						
9/26/2019		<0.03		0.013					
9/27/2019					0.0028 (J)				
2/25/2020				0.011 (J)		0.044			
2/26/2020	<0.03				0.001 (J)				
2/27/2020		<0.03	<0.03				0.02 (J)	0.0036 (J)	
2/28/2020									0.00084 (J)
3/23/2020	<0.03				<0.03				
3/24/2020		<0.03	<0.03			0.025 (J)	0.019 (J)	0.0029 (J)	
3/25/2020				0.0092 (J)					0.00079 (J)
9/2/2020							0.0096 (J)		
9/25/2020		<0.03		0.0062 (J)		0.014 (J)			
9/28/2020	<0.03		<0.03		0.0011 (J)				
9/29/2020								0.0066 (J)	<0.03
2/19/2021			<0.03						
2/22/2021	<0.03			0.014 (J)		0.0092 (J)		0.0038 (J)	<0.03
2/23/2021		<0.03							
3/8/2021					0.0017 (J)				
3/9/2021							0.011 (J)		
3/25/2021					0.0022 (J)				
3/26/2021				0.02 (J)		0.0066 (J)			
3/29/2021	<0.03						0.012 (J)		
3/30/2021		<0.03	<0.03						0.00086 (J)
3/31/2021								0.0039 (J)	
8/19/2021							0.0066 (J)		
8/20/2021	<0.03			0.016 (J)		0.004 (J)			
8/23/2021					0.0022 (J)				
8/24/2021			<0.03					0.0056 (J)	0.001 (J)
8/25/2021		<0.03							
2/14/2022					0.002 (J)		0.0061 (J)		
2/15/2022									
2/16/2022	<0.03	<0.15 (o)	<0.03					0.0042 (J)	<0.15 (o)
2/17/2022				0.018 (J)		<0.15 (o)			
7/28/2022	<0.03		<0.03	0.016 (J)		0.0026 (J)			<0.03
7/29/2022		<0.03			0.0012 (J)				
8/2/2022							0.009 (J)	0.0038 (J)	
1/27/2023	<0.03								
1/30/2023			<0.03	0.021 (J)		0.0025 (J)			
1/31/2023		<0.03							<0.03
2/1/2023					0.0013 (J)				
2/2/2023								0.0029 (J)	
2/7/2023							0.0011 (J)		

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.00092 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.0017 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.0017 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.0024 (J)
8/25/2021	
2/14/2022	
2/15/2022	0.002 (J)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.0018 (J)
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	0.0019 (J)
2/2/2023	
2/7/2023	

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.03
6/8/2016								0.0079	
8/10/2016									<0.03
8/11/2016								0.0093 (J)	
10/4/2016									<0.03
10/5/2016									
10/6/2016								0.0102 (J)	
12/2/2016									<0.03
12/5/2016									
12/6/2016								0.0094 (J)	
2/14/2017									<0.03
2/15/2017								<0.03	
4/14/2017									<0.03
4/17/2017									
4/18/2017								0.0086 (J)	
5/26/2017									<0.03
6/2/2017								0.0102 (J)	
7/10/2017									<0.03
7/11/2017									
7/14/2017								0.0092 (J)	
3/26/2018									<0.03
3/27/2018								0.0087 (J)	
6/12/2018									<0.03
6/13/2018								0.0084 (J)	
10/16/2018									0.001 (J)
10/17/2018									
10/18/2018								0.0083 (J)	
2/25/2019									<0.03
2/28/2019								0.0086 (J)	
4/1/2019									<0.03
4/2/2019								0.0073 (J)	
9/24/2019								0.0083 (J)	<0.03
2/19/2020									<0.03
2/20/2020									
2/21/2020								0.0088 (J)	
3/18/2020									<0.03
3/19/2020								0.0097 (J)	
9/3/2020	0.0014 (J)	0.023 (J)	0.0016 (J)						
9/23/2020									<0.03
9/24/2020									
9/25/2020								0.0065 (J)	
1/28/2021						0.0017 (J)	0.0037 (J)		
2/16/2021									<0.03
2/17/2021									
2/18/2021				0.0035 (J)				0.0072 (J)	
2/22/2021	<0.03								
2/23/2021						0.0015 (J)	0.0038 (J)		
3/8/2021		0.024 (J)							
3/24/2021									<0.03
3/29/2021		0.026 (J)							
3/30/2021						0.0035 (J)	0.0038 (J)	0.0084 (J)	

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			0.0029 (J)						
4/1/2021	0.0022 (J)								
4/19/2021				0.0083 (J)	<0.03				
8/18/2021			0.0027 (J)		<0.03				<0.03
8/19/2021								0.007 (J)	
8/20/2021	0.0012 (J)								
8/23/2021		0.031				0.0011 (J)	0.0033 (J)		
8/24/2021				0.01 (J)					
2/9/2022			0.0036 (J)		<0.03				
2/10/2022									<0.03
2/11/2022								0.0074 (J)	
2/14/2022						<0.03	0.002 (J)		
2/15/2022		0.027 (J)							
2/17/2022	<0.15 (o)			0.0076 (J)					
7/26/2022			0.0037 (J)		<0.03				<0.03
7/28/2022	0.0016 (J)						0.00088 (J)	0.0061 (J)	
8/1/2022		0.025 (J)		0.0057 (J)		<0.03			
1/25/2023			0.004 (J)		0.0019 (J)				
1/26/2023								0.0065 (J)	<0.03
1/30/2023	<0.03								
1/31/2023						<0.03	0.0011 (J)		
2/1/2023				0.0042 (J)					
2/7/2023		0.016 (J)							

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.03
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.03
10/4/2016	
10/5/2016	<0.03
10/6/2016	
12/2/2016	
12/5/2016	<0.03
12/6/2016	
2/14/2017	
2/15/2017	<0.03
4/14/2017	
4/17/2017	0.0013 (J)
4/18/2017	
5/26/2017	0.0013 (J)
6/2/2017	
7/10/2017	
7/11/2017	<0.03
7/14/2017	
3/26/2018	
3/27/2018	0.0014 (J)
6/12/2018	0.0012 (J)
6/13/2018	
10/16/2018	
10/17/2018	<0.03
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.0012 (J)
4/2/2019	
9/24/2019	0.0011 (J)
2/19/2020	
2/20/2020	0.002 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.0019 (J)
9/3/2020	
9/23/2020	
9/24/2020	0.0011 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.0013 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.0014 (J)
3/29/2021	
3/30/2021	

Time Series

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0013 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.0016 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.0014 (J)
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.0018 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	7.7E-05 (J)					8.4E-05 (J)			
6/7/2016							0.0001 (J)	0.0001 (J)	
8/9/2016	<0.0002								
8/10/2016						<0.0002			
8/11/2016									
8/12/2016								<0.0002	
8/16/2016							<0.0002		
8/22/2016		<0.0002							
10/3/2016	<0.0002								
10/4/2016		<0.0002				<0.0002			
10/6/2016								<0.0002	
10/7/2016							<0.0002		
11/29/2016	<0.0002								
12/1/2016		<0.0002				<0.0002			
12/5/2016								<0.0002	
12/6/2016							<0.0002		
1/10/2017		<0.0002							
2/13/2017	<0.0002								
2/14/2017		<0.0002				<0.0002			
2/15/2017								<0.0002	
2/16/2017							<0.0002		
4/13/2017	<0.0002					<0.0002			
4/14/2017		<0.0002							
4/18/2017							<0.0002	<0.0002	
5/25/2017	<0.0002	<0.0002				<0.0002			
5/30/2017									
6/2/2017							<0.0002	<0.0002	
7/7/2017	<0.0002					<0.0002			
7/10/2017		<0.0002							
7/12/2017							<0.0002		
7/13/2017								<0.0002	
7/14/2017									
3/26/2018	<0.0002	<0.0002							
3/27/2018							<0.0002		
3/28/2018								<0.0002	
2/25/2019	<0.0002								
2/27/2019		6.5E-05 (J)							
2/28/2019							4.8E-05 (J)	5.8E-05 (J)	
4/1/2019	<0.0002	<0.0002						<0.0002	
4/2/2019						<0.0002	<0.0002		
4/3/2019			<0.0002						
9/23/2019	<0.0002	<0.0002				<0.0002			
9/25/2019							<0.0002	<0.0002	
9/26/2019									
9/27/2019			<0.0002						
2/18/2020	<0.0002					<0.0002			
2/19/2020		<0.0002							
2/20/2020							<0.0002		
2/21/2020			<0.0002						
2/24/2020								<0.0002	
3/18/2020	<0.0002	<0.0002							
3/19/2020						<0.0002		<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.0002						
3/23/2020							<0.0002		
5/22/2020				<0.0002					<0.0002
5/25/2020					<0.0002				
6/23/2020				<0.0002	<0.0002				<0.0002
7/28/2020				<0.0002	<0.0002				<0.0002
9/2/2020				<0.0002					<0.0002
9/3/2020					<0.0002				
9/23/2020	<0.0002	<0.0002				<0.0002			
9/24/2020							<0.0002		
9/25/2020			8.7E-05 (J)					<0.0002	
10/1/2020				<0.0002	<0.0002				<0.0002
11/10/2020				<0.0002	<0.0002				<0.0002
12/15/2020				<0.0002	<0.0002				<0.0002
1/20/2021				<0.0002	<0.0002				<0.0002
2/16/2021	<0.0002	<0.0002							
2/17/2021				<0.0002	<0.0002				
2/18/2021						<0.0002	<0.0002		<0.0002
2/19/2021			<0.0002					<0.0002	
3/23/2021		<0.0002							
3/24/2021								<0.0002	<0.0002
3/25/2021				<0.0002	<0.0002				
3/26/2021	<0.0002								
3/30/2021							<0.0002		
3/31/2021						<0.0002			
4/1/2021			<0.0002						
8/16/2021	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002			
8/18/2021							<0.0002	<0.0002	<0.0002
8/25/2021			<0.0002						
2/9/2022	<0.0002			<0.0002	<0.0002	<0.0002			<0.0002
2/10/2022		<0.0002							
2/11/2022							<0.0002	<0.0002	
2/16/2022			<0.0002						
7/26/2022	0.00019 (J)	0.00015 (J)		0.00022	0.00014 (J)	<0.0002			0.00016 (J)
7/27/2022								<0.0002	
7/28/2022							<0.0002		
8/3/2022			<0.0002						
1/24/2023	<0.0002	<0.0002		0.00022	<0.0002				
1/25/2023						<0.0002			
1/26/2023								0.00013 (J)	<0.0002
1/27/2023							0.00018 (J)		
2/2/2023			<0.0002						

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	9.8E-05 (J)
8/9/2016	
8/10/2016	
8/11/2016	<0.0002
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.0002
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.0002
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.0002
4/13/2017	
4/14/2017	
4/18/2017	<0.0002
5/25/2017	
5/30/2017	<0.0002
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.0002
3/26/2018	
3/27/2018	<0.0002
3/28/2018	
2/25/2019	<0.0002
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.0002
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.0002
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.0002
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.0002
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.0002
2/19/2021	
3/23/2021	
3/24/2021	<0.0002
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.0002 (J)
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.0002
2/16/2022	
7/26/2022	
7/27/2022	<0.0002
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.00015 (J)
1/27/2023	
2/2/2023	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.00017 (J)								
6/8/2016		<0.0002	<0.0002	<0.0002	<0.0002	9.2E-05 (J)			<0.0002
6/9/2016							<0.0002	<0.0002	
8/11/2016	0.00019 (J)								
8/12/2016		<0.0002	<0.0002	<0.0002					
8/15/2016									<0.0002
8/18/2016					<0.0002	<0.0002	<0.0002	<0.0002	
10/7/2016	0.00014 (J)	<0.0002	<0.0002						
10/10/2016				<0.0002	<0.0002	<0.0002	<0.0002	4E-05 (J)	<0.0002
12/6/2016	0.00016 (J)	<0.0002							
12/7/2016			8E-05 (J)	<0.0002			5E-05 (J)	7E-05 (J)	
12/8/2016					<0.0002	<0.0002			<0.0002
1/23/2017									
2/7/2017									
2/16/2017	0.00017 (J)	<0.0002	<0.0002						
2/17/2017				<0.0002	<0.0002	<0.0002			
2/20/2017							<0.0002	5E-05 (J)	<0.0002
3/27/2017									
4/17/2017									
4/19/2017	0.00014 (J)	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	0.00016 (J)	
4/20/2017						<0.0002			<0.0002
5/22/2017									
5/30/2017	0.00023 (J)								
6/1/2017		<0.0002	<0.0002	<0.0002	<0.0002				<0.0002
6/5/2017						<0.0002	<0.0002	0.00013 (J)	
7/11/2017									
7/14/2017	0.00016 (J)	<0.0002	<0.0002						
7/17/2017							<0.0002	0.00013 (J)	<0.0002
7/18/2017				<0.0002	<0.0002				
7/19/2017						<0.0002			
8/23/2017									
3/26/2018									
3/27/2018	<0.0002	<0.0002	<0.0002						
3/28/2018				<0.0002	<0.0002				<0.0002
3/29/2018						<0.0002	<0.0002	<0.0002	
2/27/2019	0.00029 (J)	7.9E-05 (J)		6.6E-05 (J)					
3/1/2019			5E-05 (J)			4.2E-05 (J)	4.4E-05 (J)	0.00093	4.7E-05 (J)
4/2/2019	0.0004	<0.0002							
4/3/2019			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0013	
4/4/2019									<0.0002
9/26/2019	<0.0002	<0.0002	<0.0002	<0.0002					
9/27/2019						<0.0002	<0.0002		
9/30/2019					<0.0002			0.0011	<0.0002
2/24/2020	0.0003 (J)	<0.0002	<0.0002	<0.0002					
2/25/2020						<0.0002	<0.0002		
2/26/2020					<0.0002			0.0011	<0.0002
3/19/2020	0.00017 (J)								
3/20/2020		<0.0002	<0.0002		<0.0002	<0.0002			
3/23/2020				<0.0002			<0.0002		
3/24/2020									<0.0002
3/25/2020								0.0011	
9/24/2020	0.00027 (J)	<0.0002			<0.0002	<0.0002	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.0036	
9/28/2020			<0.0002	<0.0002					<0.0002
2/18/2021	0.00017 (J)	<0.0002	<0.0002	<0.0002					
2/19/2021					<0.0002	<0.0002	<0.0002	0.0033	
2/23/2021									<0.0002
3/8/2021									
3/24/2021	0.00012 (J)	<0.0002							
3/25/2021									
3/26/2021			<0.0002				<0.0002	0.0058	<0.0002
3/29/2021				<0.0002	<0.0002	<0.0002			
8/19/2021	<0.0002	<0.0002							<0.0002
8/20/2021			<0.0002	<0.0002	<0.0002				
8/23/2021						<0.0002	<0.0002	0.00026	
2/11/2022	<0.0002								
2/14/2022							<0.0002		
2/15/2022						<0.0002		0.0014	
2/16/2022		<0.0002	<0.0002	<0.0002	<0.0002				<0.0002
7/27/2022	0.00025	<0.0002	<0.0002	<0.0002					<0.0002
7/28/2022					<0.0002				
8/1/2022							<0.0002		
8/2/2022						<0.0002		<0.0002	
10/21/2022								0.00026	
1/26/2023	0.00027	<0.0002							
1/27/2023			0.00018 (J)		0.00021				0.00015 (J)
1/30/2023				<0.0002					
2/1/2023								0.00059	
2/2/2023							<0.0002		
2/7/2023						<0.0002			

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	8E-05 (J)
2/7/2017	0.00011 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	8E-05 (J)
4/17/2017	4E-05 (J)
4/19/2017	
4/20/2017	
5/22/2017	<0.0002
5/30/2017	
6/1/2017	
6/5/2017	6E-05 (J)
7/11/2017	9.1E-05 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	5E-05 (J)
3/26/2018	<0.0002
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	0.0001 (J)
4/2/2019	<0.0002
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	<0.0002
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	<0.0002
3/19/2020	
3/20/2020	
3/23/2020	<0.0002
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	<0.0002
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.0002
3/24/2021	
3/25/2021	<0.0002
3/26/2021	
3/29/2021	
8/19/2021	<0.0002
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.0002
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.0002
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.0002
2/2/2023	
2/7/2023	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					<0.0002				
4/4/2019	<0.0002		<0.0002	<0.0002					
4/5/2019		<0.0002							
9/24/2019	<0.0002		<0.0002						
9/26/2019		<0.0002		<0.0002					
9/27/2019					<0.0002				
2/25/2020				<0.0002		<0.0002			
2/26/2020	<0.0002				0.00018 (J)				
2/27/2020		<0.0002	<0.0002				<0.0002	<0.0002	
2/28/2020									<0.0002
3/23/2020	<0.0002				<0.0002				
3/24/2020		<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	
3/25/2020				<0.0002					<0.0002
9/2/2020							0.0001 (J)		
9/25/2020		<0.0002		<0.0002		<0.0002			
9/28/2020	<0.0002		<0.0002		<0.0002				
9/29/2020								<0.0002	<0.0002
2/19/2021			<0.0002						
2/22/2021	<0.0002			<0.0002		<0.0002		<0.0002	<0.0002
2/23/2021		<0.0002							
3/8/2021					<0.0002				
3/9/2021							<0.0002		
3/25/2021					<0.0002				
3/26/2021				<0.0002		<0.0002			
3/29/2021	<0.0002						<0.0002		
3/30/2021		<0.0002	<0.0002						<0.0002
3/31/2021								<0.0002	
8/19/2021							0.00012 (J)		
8/20/2021	<0.0002			<0.0002		<0.0002			
8/23/2021					<0.0002				
8/24/2021			<0.0002					<0.0002	<0.0002
8/25/2021		<0.0002							
2/14/2022					<0.0002		<0.0002		
2/15/2022									
2/16/2022	<0.0002	<0.0002	<0.0002					<0.0002	<0.0002
2/17/2022				<0.0002		<0.0002			
7/28/2022	0.00015 (J)		0.00014 (J)	0.00016 (J)		<0.0002			<0.0002
7/29/2022		<0.0002			<0.0002				
8/2/2022							0.00028	<0.0002	
1/27/2023	0.00014 (J)								
1/30/2023			0.00016 (J)	0.00014 (J)		<0.0002			
1/31/2023		<0.0002							<0.0002
2/1/2023					<0.0002				
2/2/2023								<0.0002	
2/7/2023							<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.0002
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.0002
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.0002
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.0002
8/25/2021	
2/14/2022	
2/15/2022	<0.0002
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.0002
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.0002
2/2/2023	
2/7/2023	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									9.7E-05 (J)
6/8/2016								<0.0002	
8/10/2016									<0.0002
8/11/2016								<0.0002	
10/4/2016									<0.0002
10/5/2016									
10/6/2016								<0.0002	
12/2/2016									<0.0002
12/5/2016									
12/6/2016								<0.0002	
2/14/2017									<0.0002
2/15/2017								<0.0002	
4/14/2017									<0.0002
4/17/2017									
4/18/2017								<0.0002	
5/26/2017									<0.0002
6/2/2017								<0.0002	
7/10/2017									<0.0002
7/11/2017									
7/14/2017								<0.0002	
3/26/2018									<0.0002
3/27/2018								<0.0002	
2/25/2019									<0.0002
2/28/2019								5.3E-05 (J)	
4/1/2019									<0.0002
4/2/2019								<0.0002	
9/24/2019								<0.0002	<0.0002
2/19/2020									<0.0002
2/20/2020									
2/21/2020								<0.0002	
3/18/2020									<0.0002
3/19/2020								<0.0002	
9/3/2020	<0.0002	<0.0002	<0.0002						
9/23/2020									<0.0002
9/24/2020									
9/25/2020								<0.0002	
1/28/2021						0.0046	0.00019 (J)		
2/16/2021									<0.0002
2/17/2021									
2/18/2021				<0.0002				<0.0002	
2/22/2021	<0.0002								
2/23/2021						0.0033	<0.0002		
3/8/2021		<0.0002							
3/24/2021									<0.0002
3/29/2021		<0.0002							
3/30/2021						0.002	<0.0002	<0.0002	
3/31/2021				<0.0002					
4/1/2021	<0.0002								
4/19/2021				<0.0002	<0.0002				
8/18/2021				<0.0002	<0.0002				<0.0002
8/19/2021								<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.0002								
8/23/2021		<0.0002				0.0014	<0.0002		
8/24/2021				<0.0002					
2/9/2022			<0.0002		<0.0002				
2/10/2022									<0.0002
2/11/2022								<0.0002	
2/14/2022						0.00025	<0.0002		
2/15/2022		<0.0002							
2/17/2022	<0.0002			<0.0002					
7/26/2022			0.00017 (J)		<0.0002				0.00016 (J)
7/28/2022	<0.0002						<0.0002	<0.0002	
8/1/2022		<0.0002		<0.0002		<0.0002			
1/25/2023			<0.0002		<0.0002				
1/26/2023								<0.0002	<0.0002
1/30/2023	<0.0002								
1/31/2023						0.00021	0.00018 (J)		
2/1/2023				<0.0002					
2/7/2023		<0.0002							

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	8E-05 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.0002
10/4/2016	
10/5/2016	<0.0002
10/6/2016	
12/2/2016	
12/5/2016	<0.0002
12/6/2016	
2/14/2017	
2/15/2017	<0.0002
4/14/2017	
4/17/2017	<0.0002
4/18/2017	
5/26/2017	<0.0002
6/2/2017	
7/10/2017	
7/11/2017	<0.0002
7/14/2017	
3/26/2018	
3/27/2018	<0.0002
2/25/2019	
2/28/2019	
4/1/2019	<0.0002
4/2/2019	
9/24/2019	<0.0002
2/19/2020	
2/20/2020	<0.0002
2/21/2020	
3/18/2020	
3/19/2020	<0.0002
9/3/2020	
9/23/2020	
9/24/2020	<0.0002
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.0002
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.0002
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.0002
8/19/2021	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.0002
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.00016 (J)
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.00013 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.0015 (J)					<0.01			
6/7/2016							0.0067 (J)	<0.01	
8/9/2016	0.0016 (J)								
8/10/2016						<0.01			
8/11/2016									
8/12/2016								<0.01	
8/16/2016							0.0032 (J)		
8/22/2016		<0.01							
10/3/2016	<0.01								
10/4/2016		<0.01				<0.01			
10/6/2016								<0.01	
10/7/2016							0.0032 (J)		
11/29/2016	0.0022 (J)								
12/1/2016		<0.01				<0.01			
12/5/2016								<0.01	
12/6/2016							0.0049 (J)		
1/10/2017		<0.01							
2/13/2017	0.002 (J)								
2/14/2017		<0.01				<0.01			
2/15/2017								<0.01	
2/16/2017							0.0039 (J)		
4/13/2017	0.0025 (J)					<0.01			
4/14/2017		<0.01							
4/18/2017							0.0032 (J)	<0.01	
5/25/2017	0.002 (J)	<0.01				<0.01			
5/30/2017									
6/2/2017							0.0035 (J)	<0.01	
7/7/2017	0.0017 (J)					<0.01			
7/10/2017		<0.01							
7/12/2017							0.0037 (J)		
7/13/2017								<0.01	
7/14/2017									
3/26/2018	<0.01	<0.01							
3/27/2018							0.0032 (J)		
3/28/2018								<0.01	
6/12/2018	<0.01	<0.01							
6/14/2018							0.0033 (J)	<0.01	
10/16/2018	<0.01	<0.01				<0.01			
10/17/2018								<0.01	
10/18/2018							0.0034 (J)		
2/25/2019	<0.01								
2/27/2019		<0.01							
2/28/2019							0.0035 (J)	<0.01	
4/1/2019	0.0014 (J)	0.00053 (J)						<0.01	
4/2/2019						0.00026 (J)	0.0032 (J)		
4/3/2019			0.034						
5/2/2019	<0.01								
7/9/2019			0.034						
9/23/2019	0.0017 (J)	<0.01				<0.01			
9/25/2019							0.0035 (J)	<0.01	
9/26/2019									
9/27/2019			0.019						

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/18/2020	<0.01					<0.01			
2/19/2020		<0.01							
2/20/2020							0.0037 (J)		
2/21/2020			0.029						
2/24/2020								<0.01	
3/18/2020	0.0012 (J)	<0.01							
3/19/2020						<0.01		<0.01	
3/20/2020			0.032						
3/23/2020							0.0035 (J)		
5/22/2020				0.0011 (J)					0.0012 (J)
5/25/2020					0.003 (J)				
6/23/2020				<0.01	0.0048 (J)				<0.01
7/28/2020				<0.01	0.0073 (J)				0.00094 (J)
9/2/2020				<0.01					0.0013 (J)
9/3/2020					0.0074 (J)				
9/23/2020	<0.01	<0.01				<0.01			
9/24/2020							0.0032 (J)		
9/25/2020			0.032					<0.01	
10/1/2020				<0.01	0.0046 (J)				0.0017 (J)
11/10/2020				<0.01	0.0016 (J)				0.0016 (J)
12/15/2020				<0.01	0.0021				0.0019
1/20/2021				<0.01	0.0018 (J)				0.0016 (J)
2/16/2021	0.0011 (J)	<0.01							
2/17/2021				<0.01	0.0017 (J)				
2/18/2021						<0.01	0.0036 (J)		0.0045 (J)
2/19/2021			0.029					<0.01	
3/23/2021		<0.01							
3/24/2021								<0.01	<0.01
3/25/2021				<0.01	0.0015 (J)				
3/26/2021	0.00092 (J)								
3/30/2021							0.0035 (J)		
3/31/2021						0.001 (J)			
4/1/2021			0.026						
8/16/2021	<0.01	<0.01		<0.01	0.0011 (J)	<0.01			
8/18/2021							0.0029 (J)	<0.01	0.0011 (J)
8/25/2021			0.031						
2/9/2022	<0.01			<0.01	0.00093 (J)	<0.01			<0.01
2/10/2022		<0.01							
2/11/2022							0.003 (J)	<0.01	
2/16/2022			0.025						
7/26/2022	<0.01	<0.01		<0.01	0.0039 (J)	<0.01			0.0015 (J)
7/27/2022								<0.01	
7/28/2022							0.0028 (J)		
8/3/2022			0.0094 (J)						
1/24/2023	<0.01	<0.01		<0.01	0.007 (J)				
1/25/2023						<0.01			
1/26/2023								<0.01	0.0016 (J)
1/27/2023							0.0025 (J)		
2/2/2023			0.0077 (J)						

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	<0.01
8/9/2016	
8/10/2016	
8/11/2016	<0.01
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.01
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.01
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.01
4/13/2017	
4/14/2017	
4/18/2017	<0.01
5/25/2017	
5/30/2017	<0.01
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.01
3/26/2018	
3/27/2018	<0.01
3/28/2018	
6/12/2018	<0.01
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.01
2/25/2019	<0.01
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.01
4/3/2019	
5/2/2019	
7/9/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.01
9/27/2019	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

2/18/2020	
2/19/2020	
2/20/2020	<0.01
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.01
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.01
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.01
2/19/2021	
3/23/2021	
3/24/2021	<0.01
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.01
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.01
2/16/2022	
7/26/2022	
7/27/2022	<0.01
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.01
1/27/2023	
2/2/2023	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.01								
6/8/2016		<0.01	<0.01	0.011 (J)	0.0027 (J)	0.07			0.0064 (J)
6/9/2016							0.013 (J)	0.0024 (J)	
8/11/2016	<0.01								
8/12/2016		<0.01	<0.01	0.0127					
8/15/2016									0.0039 (J)
8/18/2016					0.0023 (J)	0.0758	0.0136	0.0034 (J)	
10/7/2016	<0.01	<0.01	<0.01						
10/10/2016				0.0136	0.0025 (J)	0.0712	0.0134	0.0047 (J)	0.0029 (J)
12/6/2016	<0.01	<0.01							
12/7/2016			<0.01	0.0139			0.0128	0.0066 (J)	
12/8/2016					<0.01	0.0682			<0.01
1/23/2017									
2/7/2017									
2/16/2017	<0.01	<0.01	<0.01						
2/17/2017				0.0148	<0.01	0.066			
2/20/2017							0.0122	0.0026 (J)	0.0024 (J)
3/27/2017									
4/17/2017									
4/19/2017	<0.01	<0.01	<0.01	0.012	0.0014 (J)		0.0124	0.002 (J)	
4/20/2017						0.0662			0.0019 (J)
5/22/2017									
5/30/2017	<0.01								
6/1/2017		<0.01	<0.01	0.0125	0.0012 (J)				0.0026 (J)
6/5/2017						0.071	0.0115	0.0015 (J)	
7/11/2017									
7/14/2017	<0.01	<0.01	<0.01						
7/17/2017							0.0131	0.0013 (J)	0.0024 (J)
7/18/2017				0.0155	0.0013 (J)				
7/19/2017						0.0703			
8/23/2017									
3/26/2018									
3/27/2018	<0.01	<0.01	<0.01						
3/28/2018				0.012	<0.01				<0.01
3/29/2018						0.056	0.013	0.0027 (J)	
6/13/2018				0.016			0.013	<0.01	
6/14/2018	<0.01	<0.01			<0.01	0.059			<0.01
6/15/2018			<0.01						
10/17/2018	<0.01								
10/18/2018		<0.01							
10/19/2018			<0.01		<0.01				
10/22/2018				0.013		0.055	0.013	<0.01	<0.01
2/27/2019	<0.01	<0.01		0.013					
3/1/2019			<0.01			0.039	0.013	<0.01	<0.01
4/2/2019	<0.01	<0.01							
4/3/2019			0.00023 (J)	0.012	0.0019 (J)	0.039	0.012	0.00095 (J)	
4/4/2019									0.00096 (J)
5/2/2019						0.043			
9/26/2019	<0.01	<0.01	<0.01	0.015					
9/27/2019						0.045	0.012		
9/30/2019					0.003 (J)			0.00099 (J)	<0.01
2/24/2020	<0.01	<0.01	<0.01	0.015					

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/25/2020						0.039	0.014		
2/26/2020					0.0016 (J)			<0.01	<0.01
3/19/2020	<0.01								
3/20/2020		<0.01	<0.01		0.0023 (J)	0.039			
3/23/2020				0.016			0.013		
3/24/2020									<0.01
3/25/2020								<0.01	
9/24/2020	<0.01	<0.01			0.0036 (J)	0.04	0.011		
9/25/2020								0.00081 (J)	
9/28/2020			<0.01	0.018					<0.01
2/18/2021	<0.01	<0.01	<0.01	0.028					
2/19/2021					0.0013 (J)	0.046	0.011	<0.01	
2/23/2021									<0.01
3/8/2021									
3/24/2021	<0.01	<0.01							
3/25/2021									
3/26/2021			<0.01				0.011 (J)	<0.01	<0.01
3/29/2021				0.024	0.0021 (J)	0.045			
7/19/2021						0.044	0.011	<0.01	
7/20/2021									
8/19/2021	<0.01	<0.01							<0.01
8/20/2021			<0.01	0.026	0.003 (J)				
8/23/2021						0.041	0.0098 (J)	<0.01	
11/1/2021						0.043	0.0092 (J)	<0.01	
2/11/2022	<0.01								
2/14/2022							0.0079 (J)		
2/15/2022						0.039		<0.01	
2/16/2022		<0.01	<0.01	0.025	0.005 (J)				<0.01
7/27/2022	<0.01	<0.01	<0.01	0.028					<0.01
7/28/2022					0.0042 (J)				
8/1/2022							0.0071 (J)		
8/2/2022						0.04		0.0027 (J)	
10/21/2022								<0.01 (R)	
1/26/2023	<0.01	<0.01							
1/27/2023			<0.01		0.003 (J)				<0.01
1/30/2023				0.035					
2/1/2023								<0.01	
2/2/2023							0.0078 (J)		
2/7/2023						0.032			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0125
2/7/2017	0.0163
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0157
4/17/2017	0.0178
4/19/2017	
4/20/2017	
5/22/2017	0.0208
5/30/2017	
6/1/2017	
6/5/2017	0.0191
7/11/2017	0.0218
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0218
3/26/2018	0.014
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.012
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.01
2/27/2019	
3/1/2019	0.011
4/2/2019	0.01
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	0.0036 (J)
9/30/2019	
2/24/2020	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/25/2020	
2/26/2020	0.0023 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.0037 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.0027 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0031 (J)
3/24/2021	
3/25/2021	0.0017 (J)
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	0.0018 (J)
8/19/2021	0.0032 (J)
8/20/2021	
8/23/2021	
11/1/2021	0.0032 (J)
2/11/2022	
2/14/2022	0.0048 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0047 (J)
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.0058 (J)
2/2/2023	
2/7/2023	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.017				
10/18/2018	<0.01								
10/19/2018			0.0021 (J)						
10/22/2018		0.0038 (J)		0.033					
11/29/2018				0.03					
1/14/2019					0.013				
4/2/2019					0.011				
4/4/2019	0.00033 (J)		0.0011 (J)	0.03					
4/5/2019		0.0035 (J)							
5/2/2019							0.11		
5/3/2019		0.0048 (J)				0.04			
9/24/2019	<0.01		<0.01						
9/26/2019		0.003 (J)		0.033					
9/27/2019					0.013				
2/25/2020				0.026		0.012			
2/26/2020	<0.01				0.0032 (J)				
2/27/2020		0.0032 (J)	0.001 (J)				0.11	0.0039 (J)	
2/28/2020									0.0014 (J)
3/23/2020	<0.01				0.0058 (J)				
3/24/2020		0.0031 (J)	0.001 (J)			0.01	0.12	0.0026 (J)	
3/25/2020				0.022					0.0012 (J)
5/4/2020									
9/2/2020							0.1		
9/25/2020		0.003 (J)		0.024		0.0088 (J)			
9/28/2020	<0.01		0.00078 (J)		0.0084 (J)				
9/29/2020								0.01	0.00069 (J)
2/19/2021			0.0009 (J)						
2/22/2021	<0.01			0.035		0.012		0.0076 (J)	<0.01
2/23/2021		0.0032 (J)							
3/8/2021					0.0083 (J)				
3/9/2021							0.13		
3/25/2021					0.013				
3/26/2021				0.036		0.017			
3/29/2021	<0.01						0.13		
3/30/2021		0.0037 (J)	0.0011 (J)						<0.01
3/31/2021								0.0062 (J)	
8/19/2021							0.076		
8/20/2021	<0.01			0.04		0.016			
8/23/2021					0.014				
8/24/2021			0.00098 (J)					0.0076 (J)	<0.01
8/25/2021		0.0038 (J)							
11/1/2021							0.081		
2/14/2022					0.012		0.097		
2/15/2022									
2/16/2022	<0.01	0.0038 (J)	0.00094 (J)					0.0052 (J)	<0.01
2/17/2022				0.039		0.016			
7/28/2022	<0.01		0.0011 (J)	0.036		0.0082 (J)			<0.01
7/29/2022		0.0036 (J)			0.0095 (J)				
8/2/2022							0.093	0.0062 (J)	
1/27/2023	<0.01								
1/30/2023			0.0011 (J)	0.035		0.014			
1/31/2023		0.0039 (J)							<0.01

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/1/2023					0.0083 (J)				
2/2/2023								0.0035 (J)	
2/7/2023							0.02		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
11/29/2018	
1/14/2019	
4/2/2019	
4/4/2019	
4/5/2019	
5/2/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	<0.01
9/2/2020	0.015
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.013
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.011
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.011
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	0.0087 (J)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.008 (J)
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

2/1/2023 0.0092 (J)
2/2/2023
2/7/2023

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.00063 (J)
6/8/2016								0.0088 (J)	
8/10/2016									0.0039 (J)
8/11/2016								0.01	
10/4/2016									0.0052 (J)
10/5/2016									
10/6/2016								0.0117	
12/2/2016									<0.01
12/5/2016									
12/6/2016								0.0102	
2/14/2017									0.0044 (J)
2/15/2017								0.0018 (J)	
4/14/2017									0.0013 (J)
4/17/2017									
4/18/2017								0.0103	
5/26/2017									0.0024 (J)
6/2/2017								0.0129	
7/10/2017									0.0013 (J)
7/11/2017									
7/14/2017								0.0129	
3/26/2018									<0.01
3/27/2018								0.01	
6/12/2018									0.0026 (J)
6/13/2018								0.013	
10/16/2018									0.0041 (J)
10/17/2018									
10/18/2018								0.01 (J)	
2/25/2019									<0.01
2/28/2019								0.016	
4/1/2019									0.00054 (J)
4/2/2019								0.011	
9/24/2019								0.01 (J)	0.0016 (J)
2/19/2020									0.0018 (J)
2/20/2020									
2/21/2020								0.011	
3/18/2020									<0.01
3/19/2020								0.011	
5/4/2020		0.14	<0.01						
5/11/2020	0.02								
5/20/2020	0.021	0.16							
9/3/2020	0.018	0.11	0.0055 (J)						
9/23/2020									<0.01
9/24/2020									
9/25/2020								0.0099 (J)	
1/28/2021						<0.01	0.0038 (J)		
2/16/2021									0.0011 (J)
2/17/2021									
2/18/2021			0.0062 (J)					0.0098 (J)	
2/22/2021	0.0052 (J)								
2/23/2021						<0.01	0.0039 (J)		
3/8/2021		0.2							

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

Date	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/24/2021									<0.01
3/29/2021		0.21							
3/30/2021						0.0027 (J)	0.0035 (J)	0.011	
3/31/2021			0.0023 (J)						
4/1/2021	0.0059 (J)								
4/19/2021				0.0067 (J)	0.0043 (J)				
7/20/2021		0.24							
8/18/2021			0.0041 (J)		0.0021 (J)				0.0019 (J)
8/19/2021								0.0094 (J)	
8/20/2021	0.013								
8/23/2021		0.21				<0.01	0.0038 (J)		
8/24/2021				0.0049 (J)					
2/9/2022			0.0011 (J)		0.0032 (J)				
2/10/2022									0.00081 (J)
2/11/2022								0.0088 (J)	
2/14/2022						<0.01	0.0041 (J)		
2/15/2022		0.15							
2/17/2022	0.0055 (J)			0.0056 (J)					
7/26/2022			0.012		0.0029 (J)				0.00096 (J)
7/28/2022	0.0092 (J)						0.0053 (J)	0.009 (J)	
8/1/2022		0.16		0.0066 (J)		<0.01			
1/25/2023			0.011		0.0067 (J)				
1/26/2023								0.0096 (J)	0.00095 (J)
1/30/2023	0.0033 (J)								
1/31/2023						<0.01	0.0087 (J)		
2/1/2023				0.0072 (J)					
2/7/2023		0.13							

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.0028 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.003 (J)
10/4/2016	
10/5/2016	0.0032 (J)
10/6/2016	
12/2/2016	
12/5/2016	0.0033 (J)
12/6/2016	
2/14/2017	
2/15/2017	0.0027 (J)
4/14/2017	
4/17/2017	0.0025 (J)
4/18/2017	
5/26/2017	0.0029 (J)
6/2/2017	
7/10/2017	
7/11/2017	0.0029 (J)
7/14/2017	
3/26/2018	
3/27/2018	0.0031 (J)
6/12/2018	0.0043 (J)
6/13/2018	
10/16/2018	
10/17/2018	0.0038 (J)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.0027 (J)
4/2/2019	
9/24/2019	0.0041 (J)
2/19/2020	
2/20/2020	0.002 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.0024 (J)
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.0034 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.0033 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
3/24/2021	0.0027 (J)
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	0.0028 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.0026 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.0029 (J)
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.002 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
9/27/2019			7.75			7.28			
2/18/2020	7.67					7.27			
2/19/2020		8.01							
2/20/2020							7.46		
2/21/2020			7.54						
2/24/2020								7.28	
3/18/2020	7.65	8.12							
3/19/2020						7.2		7.18	
3/20/2020			7.53						
3/23/2020							7.51		
5/22/2020				7.15					7.2
5/25/2020					7.45				
6/23/2020				7 (D)	7.46 (D)				7.41 (D)
7/28/2020				6.98	7.79				6.98
9/2/2020				6.95					6.97
9/3/2020					7.35				
9/23/2020	7.32	8.08				7.36			
9/24/2020							7.54		
9/25/2020			7.62					7.1	
9/28/2020			7.02						
10/1/2020				6.94	7.41				7.08
11/10/2020				6.89	7.17				7
12/15/2020				7.04	7.37				7.02
1/20/2021				6.83	7.31				7.12
2/16/2021	7.75	8							
2/17/2021				6.89	7.21				
2/18/2021						7.34	7.54		7.14
2/19/2021			7.73					7	
3/23/2021		8							
3/24/2021								7.04	7.04
3/25/2021				6.94	7.22				
3/26/2021	7.63								
3/30/2021							7.41		
3/31/2021						7.17			
4/1/2021			7.75						
8/16/2021	7.46	7.6		6.8	7.13	7.07			
8/18/2021							7.34	7.09	6.86
8/25/2021			7.52						
2/9/2022	7.36			6.86	7.16	7.16			7.01
2/10/2022		8.09							
2/11/2022							7.58	7.18	
2/16/2022			7.2						
7/26/2022	7.45	7.92		6.75	7.37	7.34			6.78
7/27/2022								6.85	
7/28/2022							7.63		
8/3/2022			6.89						
1/24/2023	7.32	7.77		6.72	7.32				
1/25/2023						6.87			
1/26/2023								6.68	6.91
1/27/2023							7.02		
2/2/2023			6.7						

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	6.99
8/9/2016	
8/10/2016	
8/11/2016	6.93
8/12/2016	
8/15/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	6.79
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	6.95
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	6.8
4/13/2017	
4/14/2017	
4/18/2017	6.9
5/25/2017	
5/30/2017	6.99
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	6.93
10/9/2017	
10/10/2017	
10/11/2017	6.78
3/26/2018	
3/27/2018	6.81
3/28/2018	
6/12/2018	7.01
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	6.7
2/25/2019	6.74
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	6.75
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	6.7

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	6.48
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	6.6
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	6.66
9/25/2020	
9/28/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	6.66
2/19/2021	
3/23/2021	
3/24/2021	6.7
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	6.66
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	6.57
2/16/2022	
7/26/2022	
7/27/2022	6.49
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	6.56
1/27/2023	
2/2/2023	

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	7.41								
6/8/2016		6.93	6.58	7.45	7.88	7.1			7.95
6/9/2016							7.3	6.83	
8/11/2016	7.39								
8/12/2016		6.98	6.59	7.18					
8/15/2016									7.66
8/18/2016					7.86	7.1	7.27	6.88	
10/7/2016	7.33	6.91	6.77						
10/10/2016				6.66	7.96	6.77	7.35	6.95	7.26
12/6/2016	7.4	7.06							
12/7/2016			6.63	7.46			7.23	6.91	
12/8/2016					7.82	6.94			7.55
1/23/2017									
2/7/2017									
2/16/2017	7.21	6.62	6.55						
2/17/2017				7.17	7.56	7.02			
2/20/2017							7.17	6.71	7.45
3/27/2017									
4/17/2017									
4/19/2017	7.06	6.75	6.5	7.01	7.42		7.22	6.76	
4/20/2017						6.95			7.58
5/22/2017									
5/30/2017	7.51								
6/1/2017		6.18	6.27	7.18	7.61				7.65
6/5/2017						7.07	7.31	6.87	
7/11/2017									
7/14/2017	7.39	6.68	6.56						
7/17/2017							7.3	6.65	7.73
7/18/2017				7.2	7.77				
7/19/2017						6.97			
8/23/2017									
10/10/2017									
10/11/2017	7.3	7	6.56	7.1			7.05	6.6	7.5
10/12/2017					7.65	6.95			
3/26/2018									
3/27/2018	7.28	6.41	6.52						
3/28/2018				7.19	7.69				7.39
3/29/2018						6.96	7.06	6.7	
6/13/2018				7.24			7.19	6.58	
6/14/2018	7.22	6.61			7.7	6.92			7.35
6/15/2018			6.5						
10/17/2018	7.37								
10/18/2018		6.67							
10/19/2018			6.38		7.57				
10/22/2018				6.93		6.81	7.11	6.61	7.25
2/27/2019	7.38	6.58		7.26					
3/1/2019			6.7			6.9	7.16	6.57	7.5
4/2/2019	7.22	6.48							
4/3/2019			6.58	7.14	7.69	6.77	7	6.57	
4/4/2019									7.38
5/2/2019						6.92			
9/26/2019	7.32	6.99	6.55	7.1					

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/27/2019						6.79	7.02		
9/30/2019					7.7			6.58	7.36
2/24/2020	7.16	6.77	6.54	7.17					
2/25/2020						6.72	7.05		
2/26/2020					7.55			6.6	7.3
3/19/2020	7.14								
3/20/2020		6.35	6.56		7.69	6.75			
3/23/2020				7.14			6.93		
3/24/2020									7.36
3/25/2020								6.58	
9/24/2020	7.2	7.05			7.78	6.82	7.09		
9/25/2020								6.56	
9/28/2020			6.45	7.26					7.35
2/18/2021	7.33	6.48	6.66	7.35					
2/19/2021					7.64	6.9	7.05	6.66	
2/23/2021									7.44
3/8/2021									
3/24/2021	7.27	6.48							
3/25/2021									
3/26/2021			6.61				6.91	6.54	7.36
3/29/2021				7.24	7.75	6.71			
7/19/2021						6.67	6.98	6.53	
7/20/2021									
8/19/2021	6.94	6.15							7.15
8/20/2021			6.33	7.07	7.8				
8/23/2021						6.59	6.73	6.44	
11/1/2021						6.8	6.94	6.75	
2/11/2022	7.27								
2/14/2022							7.15		
2/15/2022						6.89		6.66	
2/16/2022		6.37	6.57	7.31	7.9				7.3
7/27/2022	7.29	7.02	6.55	7.18					7.22
7/28/2022					7.85				
8/1/2022							7		
8/2/2022						6.73		6.73	
10/21/2022								6.3	
1/26/2023	7.21	6.2							
1/27/2023			6.61		7.76				7.14
1/30/2023				7.18					
2/1/2023								6.68	
2/2/2023							6.8		
2/7/2023						6.44			
5/10/2023							6.74		

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	7.39
2/7/2017	7.35
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	7.46
4/17/2017	7.19
4/19/2017	
4/20/2017	
5/22/2017	7.4
5/30/2017	
6/1/2017	
6/5/2017	7.69
7/11/2017	7.29
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	7.37
10/10/2017	7.34
10/11/2017	
10/12/2017	
3/26/2018	7.33
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	7.35
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	7.35
2/27/2019	
3/1/2019	7.32
4/2/2019	7.22
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

9/27/2019	
9/30/2019	7.2
2/24/2020	
2/25/2020	
2/26/2020	7.28
3/19/2020	
3/20/2020	
3/23/2020	7.28
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	7.34
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	7.44
3/24/2021	
3/25/2021	7.21
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	7.28
8/19/2021	7.2
8/20/2021	
8/23/2021	
11/1/2021	7.3
2/11/2022	
2/14/2022	7.29
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	7.21
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	7.15
2/2/2023	
2/7/2023	
5/10/2023	

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					7.44				
10/18/2018	7.16								
10/19/2018			7.42						
10/22/2018		7.22		7.15					
3/4/2019			7.36						
4/2/2019					6.48				
4/4/2019	7.19	7.28	7.32	7.2					
5/2/2019							7.32		
5/3/2019		7.18				7.51			
9/24/2019	7.29		7.32						
9/26/2019		7.31		7.09					
9/27/2019					7.09				
11/15/2019		7.19							
2/25/2020				7.06		7.21			
2/26/2020	7.09				6.33				
2/27/2020		7.14	7.02				6.49	6.78	
2/28/2020									7.31
3/23/2020	6.72				6.56				
3/24/2020		7.23	7.14			7.29	6.66	6.67	
3/25/2020				7.03					7.27
5/4/2020									
9/2/2020							6.49		
9/25/2020		6.82		7.03		7.25			
9/28/2020	7.32		7.24		7.29				
9/29/2020								6.73	7.15
2/19/2021			7.26						
2/22/2021	7.21			7.16		7.49		6.87	7.08
2/23/2021		7.08							
3/8/2021					7.12				
3/9/2021							6.97		
3/25/2021					7.27				
3/26/2021				7.02		7.14			
3/29/2021	6.97						7.02		
3/30/2021		7.07	7.19						7.04
3/31/2021								6.8	
8/19/2021							6.42		
8/20/2021	7.32			6.86		6.98			
8/23/2021					7.34				
8/24/2021			7.2					6.85	7.03
8/25/2021		6.93							
11/1/2021							6.55		
2/14/2022					7.23		6.33		
2/15/2022									
2/16/2022	7.4	7.14	7.27					6.83	7.24
2/17/2022				7.02		7.46			
7/28/2022	7.19		6.96	6.98		7.34			7.03
7/29/2022		7.15			7.19				
8/2/2022							6.17	6.42	
1/27/2023	6.8								
1/30/2023			7.15	6.75		7.21			
1/31/2023		7.18							6.86
2/1/2023					6.64				

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/2/2023								6.93	
2/7/2023							5.99		

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
3/4/2019	
4/2/2019	
4/4/2019	
5/2/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	7.46
9/2/2020	7.45
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	7.48
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	7.44
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	7.11
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	7.2
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	7.07
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	7.05

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

2/2/2023

2/7/2023

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:48 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									7.55
6/8/2016								7	
8/10/2016								7.02	7.66
8/11/2016									
10/5/2016								6.96	7.37
12/2/2016									7.67
12/5/2016								7.16	
2/14/2017									7.54
2/15/2017								7.05	
4/14/2017									7.63
4/17/2017								7.17	
5/26/2017									7.76
6/1/2017								7.17	
7/10/2017									7.7
7/11/2017									
7/13/2017								7.11	
10/10/2017									7.72
10/11/2017								7.19	
3/26/2018								7	7.71
3/27/2018									
6/12/2018								7	7.71
10/16/2018									7.74
10/17/2018									
10/18/2018								6.84	
2/25/2019									7.75
2/27/2019								7.05	
4/1/2019								6.99	7.57
9/24/2019								6.92	7.53
2/19/2020									7.68
2/20/2020									
2/21/2020								7.12	
3/18/2020									7.73
3/19/2020								7.1	
5/4/2020		7.27	7.61						
5/11/2020	7.61								
5/20/2020	7.63	7.2							
9/3/2020	7.37	7.21	7.6						
9/23/2020									7.67
9/24/2020									
9/25/2020								7.01	
1/28/2021						6.81	7.01		
2/16/2021									7.69
2/17/2021									
2/18/2021			7.64					6.88	
2/22/2021	7.5								
2/23/2021						6.71	6.95		
3/8/2021		7.08							
3/24/2021									7.66
3/29/2021		7.02							
3/30/2021						6.64	6.82	7.05	
3/31/2021			7.4						

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
4/1/2021	7.44								
4/19/2021				7.45	7.54				
7/20/2021		6.79							
8/18/2021			7.48		7.17				7.7
8/19/2021								6.89	
8/20/2021	7.3								
8/23/2021		7.05				6.61	6.84		
8/24/2021				7.33					
2/9/2022			7.61		7.6				
2/10/2022									7.59
2/11/2022								7.05	
2/14/2022						7.11	7.57		
2/15/2022		7.28							
2/17/2022	7.3			7.57					
7/26/2022			7.59		7.55				7.63
7/28/2022	7.31						7.62	6.96	
8/1/2022		7.16		7.3		6.96			
1/25/2023			7.89		7.03				
1/26/2023								6.63	7.34
1/30/2023	7.04								
1/31/2023						6.87	7.56		
2/1/2023				7.17					
2/7/2023		7.03							

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	7.46
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	7.51
10/5/2016	7.37
12/2/2016	
12/5/2016	7.42
2/14/2017	
2/15/2017	7.32
4/14/2017	
4/17/2017	7.23
5/26/2017	7.29
6/1/2017	
7/10/2017	
7/11/2017	7.34
7/13/2017	
10/10/2017	7.28
10/11/2017	
3/26/2018	
3/27/2018	7.38
6/12/2018	7.51
10/16/2018	
10/17/2018	7.34
10/18/2018	
2/25/2019	
2/27/2019	
4/1/2019	7.03
9/24/2019	7.14
2/19/2020	
2/20/2020	7.37
2/21/2020	
3/18/2020	
3/19/2020	7.35
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	7.34
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	7.43
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	7.26
3/29/2021	
3/30/2021	
3/31/2021	

Time Series

Constituent: pH (s.u.) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	7.49
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	7.28
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	7.33
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	7.04
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.005					<0.005			
6/7/2016							<0.005	<0.005	
8/9/2016	<0.005								
8/10/2016						<0.005			
8/11/2016									
8/12/2016								<0.005	
8/16/2016							<0.005		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005			
10/6/2016								<0.005	
10/7/2016							<0.005		
11/29/2016	<0.005								
12/1/2016		<0.005				<0.005			
12/5/2016								<0.005	
12/6/2016							<0.005		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							<0.005		
4/13/2017	<0.005					<0.005			
4/14/2017		<0.005							
4/18/2017							<0.005	<0.005	
5/25/2017	<0.005	<0.005				<0.005			
5/30/2017									
6/2/2017							<0.005	<0.005	
7/7/2017	<0.005					<0.005			
7/10/2017		<0.005							
7/12/2017							<0.005		
7/13/2017								<0.005	
7/14/2017									
3/26/2018	<0.005	<0.005							
3/27/2018							<0.005		
3/28/2018								<0.005	
2/25/2019	<0.005								
2/27/2019		<0.005							
2/28/2019							<0.005	<0.005	
4/1/2019	0.00011 (J)	<0.005							0.0004 (J)
4/2/2019						0.00031 (J)	<0.005		
4/3/2019			0.00013 (J)						
9/23/2019	<0.005	<0.005				<0.005			
9/25/2019							<0.005	<0.005	
9/26/2019									
9/27/2019			<0.005						
2/18/2020	<0.005					<0.005			
2/19/2020		<0.005							
2/20/2020							<0.005		
2/21/2020			<0.005						
2/24/2020								<0.005	
3/18/2020	<0.005	<0.005							
3/19/2020						<0.005		<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.005						
3/23/2020							<0.005		
5/22/2020				0.0013 (J)					0.0014 (J)
5/25/2020					<0.005				
6/23/2020				<0.005	<0.005				<0.005
7/28/2020				<0.005	<0.005				<0.005
9/2/2020				<0.005					<0.005
9/3/2020					<0.005				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005		
9/25/2020			<0.005					<0.005	
10/1/2020				0.0018 (J)	<0.005				<0.005
11/10/2020				<0.005	<0.005				<0.005
12/15/2020				0.0018	<0.005				<0.005
1/20/2021				<0.005	<0.005				<0.005
2/16/2021	<0.005	<0.005							
2/17/2021				<0.005	<0.005				
2/18/2021						<0.005	<0.005		<0.005
2/19/2021			<0.005					<0.005	
3/23/2021		<0.005							
3/24/2021								<0.005	<0.005
3/25/2021				0.002 (J)	<0.005				
3/26/2021	<0.005								
3/30/2021							<0.005		
3/31/2021						0.0032 (J)			
4/1/2021			0.004 (J)						
8/16/2021	<0.005	<0.005		0.002 (J)	<0.005	<0.005			
8/18/2021							<0.005	<0.005	<0.005
8/25/2021			<0.005						
2/9/2022	<0.005			0.0021 (J)	<0.005	<0.005			<0.005
2/10/2022		<0.005							
2/11/2022							<0.005	<0.005	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		0.0021 (J)	<0.005	<0.005			<0.005
7/27/2022								<0.005	
7/28/2022							<0.005		
8/3/2022			<0.005						
1/24/2023	<0.005	<0.005		0.0015 (J)	<0.005				
1/25/2023						<0.005			
1/26/2023								<0.005	<0.005
1/27/2023							<0.005		
2/2/2023			<0.005						

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.005
8/9/2016	
8/10/2016	
8/11/2016	<0.005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0012 (J)
4/13/2017	
4/14/2017	
4/18/2017	<0.005
5/25/2017	
5/30/2017	<0.005
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.005
3/26/2018	
3/27/2018	<0.005
3/28/2018	
2/25/2019	<0.005
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0006 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.005
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	0.0026 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.0019 (J)

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.003 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0017 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.0017 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.005
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.005
2/16/2022	
7/26/2022	
7/27/2022	0.0018 (J)
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.0024 (J)
1/27/2023	
2/2/2023	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.0004 (J)								
6/8/2016		<0.005	0.00043 (J)	<0.005	<0.005	<0.005			<0.005
6/9/2016							<0.005	0.00099 (J)	
8/11/2016	<0.005								
8/12/2016		<0.005	<0.005	<0.005					
8/15/2016									<0.005
8/18/2016					<0.005	<0.005	<0.005	0.0023 (J)	
10/7/2016	<0.005	<0.005	<0.005						
10/10/2016				<0.005	0.001 (J)	<0.005	<0.005	0.004 (J)	<0.005
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	0.0037 (J)			0.0176	0.0302	
12/8/2016					<0.005	0.012			<0.005
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	<0.005			
2/20/2017							<0.005	0.0044 (J)	<0.005
3/27/2017									
4/17/2017									
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	0.0046 (J)	
4/20/2017						<0.005			<0.005
5/22/2017									
5/30/2017	<0.005								
6/1/2017		<0.005	<0.005	<0.005	<0.005				<0.005
6/5/2017						0.0018 (J)	<0.005	0.0033 (J)	
7/11/2017									
7/14/2017	<0.005	<0.005	<0.005						
7/17/2017							<0.005	0.0052 (J)	<0.005
7/18/2017				<0.005	<0.005				
7/19/2017						<0.005			
8/23/2017									
3/26/2018									
3/27/2018	<0.005	<0.005	<0.005						
3/28/2018				<0.005	<0.005				<0.005
3/29/2018						<0.005	<0.005	<0.05	
2/27/2019	<0.005	<0.005		<0.005					
3/1/2019			<0.005			<0.005	<0.005	<0.05	<0.005
4/2/2019	0.00077 (J)	0.001 (J)							
4/3/2019			0.00058 (J)	<0.005	0.00012 (J)	<0.005	<0.005	0.0038 (J)	
4/4/2019									<0.005
9/26/2019	<0.005	<0.005	<0.005	<0.005					
9/27/2019						<0.005	<0.005		
9/30/2019					<0.005			0.0065 (J)	<0.005
2/24/2020	0.0013 (J)	<0.005	0.0013 (J)	<0.005					
2/25/2020						<0.005	0.002 (J)		
2/26/2020					<0.005			0.0077 (J)	<0.005
3/19/2020	0.0022 (J)								
3/20/2020		<0.005	<0.005		<0.005	<0.005			
3/23/2020				<0.005			<0.005		
3/24/2020									<0.005
3/25/2020								0.0067 (J)	
9/24/2020	<0.005	<0.005			<0.005	0.0026 (J)	<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.01	
9/28/2020			<0.005	<0.005					<0.005
2/18/2021	<0.005	<0.005	<0.005	<0.005					
2/19/2021					<0.005	<0.005	<0.005	0.0065	
2/23/2021									<0.005
3/8/2021									
3/24/2021	<0.005	<0.005							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.05	<0.005
3/29/2021				<0.005	<0.005	<0.005			
8/19/2021	<0.005	<0.005							<0.005
8/20/2021			<0.005	<0.005	<0.005				
8/23/2021						<0.005	<0.005	0.0045 (J)	
2/11/2022	<0.005								
2/14/2022							<0.005		
2/15/2022						<0.005		0.0055	
2/16/2022		<0.005	<0.005	<0.005	<0.005				<0.005
7/27/2022	<0.005	<0.005	<0.005	<0.005					<0.005
7/28/2022					<0.005				
8/1/2022							<0.005		
8/2/2022						<0.005		0.0027 (J)	
10/21/2022								0.0045 (J)	
1/26/2023	<0.005	0.0022 (J)							
1/27/2023			<0.005		<0.005				<0.005
1/30/2023				<0.005					
2/1/2023								0.006	
2/2/2023							0.0019 (J)		
2/7/2023						0.0016 (J)			

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.015
2/7/2017	0.0114
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0092 (J)
4/17/2017	0.0082 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0094 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0118
7/11/2017	0.012
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0097 (J)
3/26/2018	<0.01
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	0.01 (J)
4/2/2019	0.0092 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.0033 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	<0.01
3/19/2020	
3/20/2020	
3/23/2020	0.0041 (J)
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	0.0035 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0048 (J)
3/24/2021	
3/25/2021	0.0021 (J)
3/26/2021	
3/29/2021	
8/19/2021	0.0052
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.0084
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0074
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.01
2/2/2023	
2/7/2023	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					0.014				
4/4/2019	8E-05 (J)		0.0001 (J)	<0.005					
4/5/2019		0.00015 (J)							
9/24/2019	<0.005		<0.005						
9/26/2019		<0.005		<0.005					
9/27/2019					0.0071 (J)				
2/25/2020				<0.005		<0.005			
2/26/2020	<0.005				0.0029 (J)				
2/27/2020		<0.005	<0.005				<0.005	<0.005	
2/28/2020									0.0018 (J)
3/23/2020	<0.005				0.0033 (J)				
3/24/2020		<0.005	<0.005			<0.005	<0.005	<0.005	
3/25/2020				<0.005					0.0039 (J)
9/2/2020							0.003 (J)		
9/25/2020		<0.005		<0.005		<0.005			
9/28/2020	<0.005		<0.005		0.0076 (J)				
9/29/2020								0.002 (J)	0.005 (J)
2/19/2021			<0.005						
2/22/2021	<0.005			<0.005		<0.005		<0.005	0.0094
2/23/2021		<0.005							
3/8/2021					0.011				
3/9/2021							0.005		
3/25/2021					0.012				
3/26/2021				<0.005		<0.005			
3/29/2021	<0.005						<0.005		
3/30/2021		<0.005	<0.005						0.0098
3/31/2021								0.002 (J)	
8/19/2021							<0.005		
8/20/2021	<0.005			<0.005		<0.005			
8/23/2021					0.0086				
8/24/2021			<0.005					<0.005	0.0096
8/25/2021		<0.005							
2/14/2022					0.011		<0.005		
2/15/2022									
2/16/2022	<0.005	<0.005	<0.005					<0.005	0.0084
2/17/2022				<0.005		<0.005			
7/28/2022	<0.005		<0.005	<0.005		<0.005			0.007
7/29/2022		<0.005			0.011				
8/2/2022							<0.005	<0.005	
1/27/2023	<0.005								
1/30/2023			<0.005	<0.005		<0.005			
1/31/2023		<0.005							0.0097
2/1/2023					0.0098				
2/2/2023								<0.005	
2/7/2023							<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.0016 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.0016 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.005
8/25/2021	
2/14/2022	
2/15/2022	<0.005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.005
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	0.0016 (J)
2/2/2023	
2/7/2023	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									4.8E-05 (J)
6/8/2016								<0.005	
8/10/2016									<0.005
8/11/2016								<0.005	
10/4/2016									<0.005
10/5/2016									
10/6/2016								<0.005	
12/2/2016									<0.005
12/5/2016									
12/6/2016								<0.005	
2/14/2017									<0.005
2/15/2017								<0.005	
4/14/2017									<0.005
4/17/2017									
4/18/2017								<0.005	
5/26/2017									<0.005
6/2/2017								<0.005	
7/10/2017									<0.005
7/11/2017									
7/14/2017								<0.005	
3/26/2018									<0.005
3/27/2018								<0.005	
2/25/2019									<0.005
2/28/2019								<0.005	
4/1/2019									0.00015 (J)
4/2/2019								<0.005	
9/24/2019								<0.005	<0.005
2/19/2020									<0.005
2/20/2020									
2/21/2020								<0.005	
3/18/2020									<0.005
3/19/2020								<0.005	
9/3/2020	0.0022 (J)	0.0028 (J)	<0.005						
9/23/2020									<0.005
9/24/2020									
9/25/2020								<0.005	
1/28/2021						0.014	<0.005		
2/16/2021									<0.005
2/17/2021									
2/18/2021			<0.005					<0.005	
2/22/2021	<0.005								
2/23/2021						0.013	0.0016 (J)		
3/8/2021		<0.005							
3/24/2021									<0.005
3/29/2021		<0.005							
3/30/2021						0.01 (J)	<0.005	<0.005	
3/31/2021			<0.005						
4/1/2021	0.0027 (J)								
4/19/2021				<0.005	<0.005				
8/18/2021			<0.005		<0.005				<0.005
8/19/2021								<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.005								
8/23/2021		<0.005				0.013	<0.005		
8/24/2021				<0.005					
2/9/2022			<0.005		<0.005				
2/10/2022									<0.005
2/11/2022								<0.005	
2/14/2022						0.0042 (J)	0.0018 (J)		
2/15/2022		<0.005							
2/17/2022	<0.005			<0.005					
7/26/2022			<0.005		<0.005				<0.005
7/28/2022	<0.005						<0.005	<0.005	
8/1/2022		<0.005		<0.005		0.0036 (J)			
1/25/2023			<0.005		<0.005				
1/26/2023								<0.005	<0.005
1/30/2023	<0.005								
1/31/2023						0.0058	<0.005		
2/1/2023				<0.005					
2/7/2023		<0.005							

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.00031 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.001 (J)
10/4/2016	
10/5/2016	0.0017 (J)
10/6/2016	
12/2/2016	
12/5/2016	<0.005
12/6/2016	
2/14/2017	
2/15/2017	<0.005
4/14/2017	
4/17/2017	<0.005
4/18/2017	
5/26/2017	0.0014 (J)
6/2/2017	
7/10/2017	
7/11/2017	<0.005
7/14/2017	
3/26/2018	
3/27/2018	<0.005
2/25/2019	
2/28/2019	
4/1/2019	0.0004 (J)
4/2/2019	
9/24/2019	<0.005
2/19/2020	
2/20/2020	<0.005
2/21/2020	
3/18/2020	
3/19/2020	0.0015 (J)
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.005
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0014 (J)
8/19/2021	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.0015 (J)
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.0015 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	8					26			
6/7/2016							99	190	
8/9/2016	6.5								
8/10/2016						22			
8/11/2016									
8/12/2016								180	
8/16/2016							110		
8/22/2016		4.2							
10/3/2016	5.7								
10/4/2016		6.4				20			
10/6/2016								200	
10/7/2016							110		
11/29/2016	5.2								
12/1/2016		7.8				20			
12/5/2016								130	
12/6/2016							110		
1/10/2017		4.5							
2/13/2017	6.4								
2/14/2017		5.1				20			
2/15/2017								190	
2/16/2017							110		
4/13/2017	4.9					21			
4/14/2017		4.4							
4/18/2017							110	220	
5/25/2017	5.7	4.2				22			
5/30/2017									
6/2/2017							110	250	
7/7/2017	6.3					25			
7/10/2017		3.5							
7/12/2017							110		
7/13/2017								250	
7/14/2017									
10/9/2017	6.1					25			
10/10/2017		3.3						210	
10/11/2017							110		
6/12/2018	8.3	6.8							
6/14/2018							110	275	
10/16/2018	8.9	7.6				32.4			
10/17/2018								336	
10/18/2018							122		
4/1/2019	10.8	5.2						239	
4/2/2019						29.8	105		
4/3/2019			26.2						
5/2/2019	11.2								
9/23/2019	9	6.6				27.5			
9/25/2019							93.7	205	
9/26/2019									
9/27/2019			200 (o)						
2/18/2020						25.7			
2/19/2020		1.6							
2/21/2020			23.5						
3/18/2020	11.7	3.7							

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/19/2020						28		255	
3/20/2020			26.1						
3/23/2020							95.6		
5/22/2020				53.5					92.6
5/25/2020					43.3				
6/23/2020				64.5	59.7				88.7
7/28/2020				65.7	15.8				300
9/2/2020				70.2					360
9/3/2020					24.4				
9/23/2020	12.9	5.3				24.6			
9/24/2020							98.6		
9/25/2020			22.6					320	
10/1/2020				70.2	26.6				382
11/10/2020				68.9	24.1				354
12/15/2020				78	28.3				406
1/20/2021				73.4	26.1				299
3/23/2021		4.6							
3/24/2021								301	115
3/25/2021				74.5	22				
3/26/2021	12.8								
3/30/2021							104		
3/31/2021						21.9			
4/1/2021			24.6						
8/16/2021	12.7	4.8		74.5	6.7	23.4			
8/18/2021							97.9	326	375
8/25/2021			25						
2/9/2022	13.5			72.7	19.1	16.7			130
2/10/2022		1.9							
2/11/2022							86.1	343	
2/16/2022			22.8						
7/26/2022	13.2	3.6		74.9	20.8	20.7			486
7/27/2022								419	
7/28/2022							105		
8/3/2022			4.6						
1/24/2023	12.5	1.4		67.2	22.4				
1/25/2023						15.5			
1/26/2023								463	213
1/27/2023							97.3		
2/2/2023			7.3						

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	240
8/9/2016	
8/10/2016	
8/11/2016	250
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	260
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	280
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	380
4/13/2017	
4/14/2017	
4/18/2017	290
5/25/2017	
5/30/2017	260
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	260
10/9/2017	
10/10/2017	
10/11/2017	270
6/12/2018	246
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	276
4/1/2019	
4/2/2019	272
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	288
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
3/19/2020	311
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	338
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	317
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	297
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	358
2/16/2022	
7/26/2022	
7/27/2022	496
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	490
1/27/2023	
2/2/2023	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	120								
6/8/2016		120	110	530	75	660			10
6/9/2016							510	730	
8/11/2016	110								
8/12/2016		81	110	530					
8/15/2016									10
8/18/2016					66	730	480	580	
10/7/2016	150	140	150						
10/10/2016				600	57	650	460	520	10
12/6/2016	130	160							
12/7/2016			97	580			490	370	
12/8/2016					68	660			13
1/23/2017									
2/7/2017									
2/16/2017	120	92	130						
2/17/2017				710	57	740			
2/20/2017							520	610	24
3/27/2017									
4/17/2017									
4/19/2017	110	80	140	610	52		490	600	
4/20/2017						990			26
5/22/2017									
5/30/2017	110								
6/1/2017		73	70	550	55				29
6/5/2017						700	480	700	
7/11/2017									
7/14/2017	110	78	110						
7/17/2017							510	670	25
7/18/2017				590	50				
7/19/2017						720			
8/23/2017									
10/10/2017									
10/11/2017	120	83	93	550			510	510	12
10/12/2017					48	780			
6/13/2018				541			586	689	
6/14/2018	106	74.6			48.1	738			10
6/15/2018			78.3						
10/17/2018	118								
10/18/2018		89.3							
10/19/2018			114		57.2				
10/22/2018				604		846	590	723	8.1
4/2/2019	86.9	70.1							
4/3/2019			90.6	593	61.9	720	603	648	
4/4/2019									11.4
5/2/2019						827			
9/26/2019	219	114	130	498					
9/27/2019						905	721		
9/30/2019					54.5			758	10.7
2/25/2020						472			
2/26/2020									
3/19/2020	90.5								
3/20/2020		75.9	76.9		57.8	610			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/23/2020				494			612		
3/24/2020									18.8
3/25/2020								603	
9/24/2020	156	69.9			57.8	864	676		
9/25/2020								613	
9/28/2020			70.3	578					8.8
3/24/2021	93.7	67.3							
3/25/2021									
3/26/2021			66.8				679	515	21.3
3/29/2021				504	55.2	772			
7/19/2021						506	335	194	
7/20/2021									
8/19/2021	91.7	56.4							10.2
8/20/2021			47.5	550	54.6				
8/23/2021						848	628	527	
11/1/2021						690	410	225	
2/11/2022	88.7								
2/14/2022							622		
2/15/2022						789		473	
2/16/2022		61.5	79.6	555	48.7				13.7
7/27/2022	118	55.5	82.7	617					12.6
7/28/2022					55.3				
8/1/2022							528		
8/2/2022						762		52.8	
10/21/2022								389 (R)	
1/26/2023	110	58.3							
1/27/2023			38.2		55.3				24.1
1/30/2023				622					
2/1/2023								395	
2/2/2023							514		
2/7/2023						707			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	410
2/7/2017	410
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	410
4/17/2017	400
4/19/2017	
4/20/2017	
5/22/2017	460
5/30/2017	
6/1/2017	
6/5/2017	440
7/11/2017	420
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	390
10/10/2017	420
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	174
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	204
4/2/2019	153
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	51.7
9/30/2019	
2/25/2020	
2/26/2020	42.6
3/19/2020	
3/20/2020	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	55.7
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	53.6
9/28/2020	
3/24/2021	
3/25/2021	28.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	37.2
8/19/2021	58.2
8/20/2021	
8/23/2021	
11/1/2021	65.5
2/11/2022	
2/14/2022	74.4
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	63.3
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	75.5
2/2/2023	
2/7/2023	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					277				
10/18/2018	199								
10/19/2018			106						
10/22/2018		350		626					
4/2/2019					192				
4/4/2019	105		88	643					
4/5/2019		312							
5/3/2019		304							
9/24/2019	97.2		80.7						
9/26/2019		336		517					
9/27/2019					191				
11/15/2019		413							
12/13/2019								651	
12/16/2019									60.4
2/25/2020				424		197			
2/26/2020					90.4				
2/27/2020							228		
3/23/2020	99.6				98.7				
3/24/2020		232	95.5			168	275	162	
3/25/2020				272					112
5/4/2020									
9/2/2020							188		
9/25/2020		393		394		175			
9/28/2020	115		115		135				
9/29/2020								619	130
3/25/2021					137				
3/26/2021				647		150			
3/29/2021	35.9						136		
3/30/2021		368	127						144
3/31/2021								314	
8/19/2021							90.7		
8/20/2021	121			452		130			
8/23/2021					141				
8/24/2021			132					505	138
8/25/2021		285							
11/1/2021							110		
2/14/2022					122		139		
2/15/2022									
2/16/2022	118	265	129					403	125
2/17/2022				551		132			
7/28/2022	131		158	600		134			132
7/29/2022		298			138				
8/2/2022							140	484	
1/27/2023	126								
1/30/2023			163	687		136			
1/31/2023		300							128
2/1/2023					118				
2/2/2023								226	
2/7/2023							42.6		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	234
9/2/2020	224
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	262
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	271
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	278
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	343
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	345
2/2/2023	
2/7/2023	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									26
6/8/2016							410		
8/10/2016									29
8/11/2016							460		
10/4/2016									40
10/5/2016									
10/6/2016							440		
12/2/2016									37
12/5/2016									
12/6/2016							470		
2/14/2017									45
2/15/2017							510		
4/14/2017									27
4/17/2017									
4/18/2017							450		
5/26/2017									34
6/2/2017							470		
7/10/2017									28
7/11/2017									
7/14/2017							230		
10/10/2017									30
10/11/2017							480		
6/12/2018									35.2
6/13/2018							419		
10/16/2018									53
10/17/2018									
10/18/2018							438		
4/1/2019									30.5
4/2/2019							334		
9/24/2019							266		36.5
3/18/2020									34.3
3/19/2020							287		
5/4/2020		333	37.2						
5/11/2020	124								
5/20/2020	118	342							
9/3/2020	141	358	31						
9/23/2020									33.5
9/24/2020									
9/25/2020							298		
1/28/2021						562	308		
3/24/2021									24.2
3/29/2021		301							
3/30/2021						636	347	290	
3/31/2021			42.9						
4/1/2021	115								
4/19/2021				223	26.7				
7/20/2021		262							
8/18/2021			35		23.3				34
8/19/2021								237	
8/20/2021	151								
8/23/2021		328				545	277		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/24/2021				235					
2/9/2022			48.4		79.4				
2/10/2022									27.2
2/11/2022								225	
2/14/2022						114	64.1		
2/15/2022		323							
2/17/2022	122			209					
7/26/2022			38.1		112				31.6
7/28/2022	136						50.1	268	
8/1/2022		316		204		94.4			
1/25/2023			11.7		268				
1/26/2023								253	24.3
1/30/2023	121								
1/31/2023						135	77.2		
2/1/2023				232					
2/7/2023		167							

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	100
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	110
10/4/2016	
10/5/2016	120
10/6/2016	
12/2/2016	
12/5/2016	130
12/6/2016	
2/14/2017	
2/15/2017	120
4/14/2017	
4/17/2017	110
4/18/2017	
5/26/2017	110
6/2/2017	
7/10/2017	
7/11/2017	110
7/14/2017	
10/10/2017	110
10/11/2017	
6/12/2018	80.6
6/13/2018	
10/16/2018	
10/17/2018	117
10/18/2018	
4/1/2019	81.4
4/2/2019	
9/24/2019	89
3/18/2020	
3/19/2020	74.3
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	84.8
9/25/2020	
1/28/2021	
3/24/2021	70.5
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	71.7
8/19/2021	
8/20/2021	
8/23/2021	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/24/2021	
2/9/2022	
2/10/2022	70
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	88
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	63.6
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.001					<0.001			
6/7/2016							<0.001	<0.001	
8/9/2016	0.0001 (J)								
8/10/2016						7E-05 (J)			
8/11/2016									
8/12/2016								9E-05 (J)	
8/16/2016							<0.001		
8/22/2016		<0.001							
10/3/2016	<0.001								
10/4/2016		<0.001				<0.001			
10/6/2016								<0.001	
10/7/2016							<0.001		
11/29/2016	<0.001								
12/1/2016		<0.001				<0.001			
12/5/2016								<0.001	
12/6/2016							<0.001		
1/10/2017		<0.001							
2/13/2017	<0.001								
2/14/2017		<0.001				<0.001			
2/15/2017								<0.001	
2/16/2017							<0.001		
4/13/2017	9E-05 (J)					0.0001 (J)			
4/14/2017		<0.001							
4/18/2017							<0.001	9E-05 (J)	
5/25/2017	0.0001 (J)	<0.001				6E-05 (J)			
5/30/2017									
6/2/2017							<0.001	<0.001	
7/7/2017	9E-05 (J)					7E-05 (J)			
7/10/2017		<0.001							
7/12/2017							<0.001		
7/13/2017								8E-05 (J)	
7/14/2017									
3/26/2018	<0.001	<0.001							
3/27/2018							<0.001		
3/28/2018								<0.001	
6/12/2018	<0.001	<0.001							
6/14/2018							<0.001	<0.001	
10/16/2018	<0.001	<0.001				<0.001			
10/17/2018								<0.001	
10/18/2018							<0.001		
2/25/2019	<0.001								
2/27/2019		<0.001							
2/28/2019							<0.001	<0.001	
4/1/2019	0.00011 (J)	<0.001						<0.001	
4/2/2019						6.2E-05 (J)	<0.001		
4/3/2019			<0.001						
9/23/2019	0.00011 (J)	<0.001				6E-05 (J)			
9/25/2019							<0.001	6E-05 (J)	
9/26/2019									
9/27/2019			<0.001						
2/18/2020	0.00011 (J)					5.3E-05 (J)			
2/19/2020		<0.001							

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							<0.001		
2/21/2020			<0.001						
2/24/2020								<0.001	
3/18/2020	0.00012 (J)	<0.001							
3/19/2020						6.1E-05 (J)		6.2E-05 (J)	
3/20/2020			<0.001						
3/23/2020							<0.001		
5/22/2020				8.8E-05 (J)					0.00016 (J)
5/25/2020					<0.001				
6/23/2020				<0.001	<0.001				0.00011 (J)
7/28/2020				<0.001	<0.001				0.00026 (J)
9/2/2020				<0.001					0.00035 (J)
9/3/2020					<0.001				
9/23/2020	<0.001	<0.001				<0.001			
9/24/2020							<0.001		
9/25/2020			<0.001					<0.001	
10/1/2020				<0.001	<0.001				0.0005 (J)
11/10/2020				<0.001	<0.001				0.00044 (J)
12/15/2020				<0.001	<0.001				0.00044
1/20/2021				<0.001	<0.001				0.00031 (J)
2/16/2021	0.0002 (J)	<0.001							
2/17/2021				<0.001	<0.001				
2/18/2021						<0.001	<0.001		0.00077 (J)
2/19/2021			<0.001					<0.001	
3/23/2021		<0.001							
3/24/2021								<0.001	0.00023 (J)
3/25/2021				<0.001	<0.001				
3/26/2021	0.00025 (J)								
3/30/2021							<0.001		
3/31/2021						0.00017 (J)			
4/1/2021			<0.001						
8/16/2021	0.00019 (J)	<0.001		<0.001	<0.001	<0.001			
8/18/2021							<0.001	<0.001	0.00039 (J)
8/25/2021			<0.001						
2/9/2022	<0.001			<0.001	<0.001	<0.001			0.00024 (J)
2/10/2022		<0.001							
2/11/2022							<0.001	<0.001	
2/16/2022			<0.001						
7/26/2022	0.00021 (J)	<0.001		<0.001	<0.001	<0.001			0.00047 (J)
7/27/2022								<0.001	
7/28/2022							<0.001		
8/3/2022			<0.001						
1/24/2023	<0.001	<0.001		<0.001	<0.001				
1/25/2023						0.00022 (J)			
1/26/2023								<0.001	0.00048 (J)
1/27/2023							<0.001		
2/2/2023			<0.001						

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	0.0002 (J)
8/9/2016	
8/10/2016	
8/11/2016	0.0002 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0002 (J)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.0003 (J)
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0003 (J)
4/13/2017	
4/14/2017	
4/18/2017	0.0002 (J)
5/25/2017	
5/30/2017	0.0002 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0002 (J)
3/26/2018	
3/27/2018	0.00019 (J)
3/28/2018	
6/12/2018	0.0002 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.0002 (J)
2/25/2019	0.00023 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0002 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.00023 (J)
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.00028 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00022 (J)
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.00024 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.00023 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.00019 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.00023 (J)
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.00024 (J)
2/16/2022	
7/26/2022	
7/27/2022	0.00025 (J)
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.00023 (J)
1/27/2023	
2/2/2023	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	8.5E-05 (J)								
6/8/2016		<0.001	8.5E-05 (J)	<0.001	<0.001	0.00035 (J)			<0.001
6/9/2016							0.0001 (J)	0.00022 (J)	
8/11/2016	8E-05 (J)								
8/12/2016		6E-05 (J)	8E-05 (J)	<0.001					
8/15/2016									<0.001
8/18/2016					<0.001	0.0005 (J)	<0.001	<0.001	
10/7/2016	<0.001	<0.001	<0.001						
10/10/2016				<0.001	<0.001	0.0006 (J)	<0.001	0.0003 (J)	<0.001
12/6/2016	<0.001	<0.001							
12/7/2016			<0.001	<0.001			<0.001	<0.001	
12/8/2016					<0.001	0.0005 (J)			<0.001
1/23/2017									
2/7/2017									
2/16/2017	<0.001	<0.001	<0.001						
2/17/2017				<0.001	<0.001	0.0006 (J)			
2/20/2017							<0.001	0.0003 (J)	<0.001
3/27/2017									
4/17/2017									
4/19/2017	8E-05 (J)	<0.001	6E-05 (J)	<0.001	<0.001		<0.001	0.0004 (J)	
4/20/2017						0.0006 (J)			<0.001
5/22/2017									
5/30/2017	9E-05 (J)								
6/1/2017		<0.001	8E-05 (J)	<0.001	<0.001				<0.001
6/5/2017						0.0006 (J)	<0.001	0.0004 (J)	
7/11/2017									
7/14/2017	9E-05 (J)	<0.001	8E-05 (J)						
7/17/2017							<0.001	0.0004 (J)	<0.001
7/18/2017				<0.001	<0.001				
7/19/2017						0.0007 (J)			
8/23/2017									
3/26/2018									
3/27/2018	<0.001	<0.001	<0.001						
3/28/2018				<0.001	<0.001				<0.001
3/29/2018						0.00063 (J)	<0.001	0.00048 (J)	
6/13/2018				<0.001			<0.001	0.00053 (J)	
6/14/2018	<0.001	<0.001			<0.001	0.00069 (J)			<0.001
6/15/2018			<0.001						
10/17/2018	<0.001								
10/18/2018		<0.001							
10/19/2018			<0.001		<0.001				
10/22/2018				<0.001		0.00071 (J)	<0.001	0.00047 (J)	<0.001
2/27/2019	<0.001	<0.001		<0.001					
3/1/2019			<0.001			0.00074 (J)	<0.001	0.0007 (J)	<0.001
4/2/2019	7.5E-05 (J)	<0.001							
4/3/2019			<0.001	<0.001	<0.001	0.0007 (J)	<0.001	0.00064 (J)	
4/4/2019									<0.001
9/26/2019	0.00026 (J)	7.1E-05 (J)	8E-05 (J)	<0.001					
9/27/2019						0.00088 (J)	0.00018 (J)		
9/30/2019					<0.001			0.00069 (J)	<0.001
2/24/2020	5.9E-05 (J)	6.8E-05 (J)	<0.001	<0.001					
2/25/2020						0.00062 (J)	0.00015 (J)		

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					<0.001			0.00073 (J)	<0.001
3/19/2020	6.1E-05 (J)								
3/20/2020		<0.001	<0.001		<0.001	0.00063 (J)			
3/23/2020				0.0002 (J)			0.00016 (J)		
3/24/2020									<0.001
3/25/2020								0.00066 (J)	
9/24/2020	0.00018 (J)	<0.001			<0.001	0.001	0.00038 (J)		
9/25/2020								0.00057 (J)	
9/28/2020			<0.001	<0.001					<0.001
2/18/2021	<0.001	<0.001	<0.001	<0.001					
2/19/2021					<0.001	0.00089 (J)	0.00039 (J)	0.0005 (J)	
2/23/2021									<0.001
3/8/2021									
3/24/2021	<0.001	<0.001							
3/25/2021									
3/26/2021			<0.001				0.00069 (J)	0.00057 (J)	<0.001
3/29/2021				<0.001	<0.001	0.0009 (J)			
8/19/2021	<0.001	<0.001							<0.001
8/20/2021			<0.001	0.00025 (J)	<0.001				
8/23/2021						0.00088 (J)	<0.001	0.00051 (J)	
2/11/2022	<0.001								
2/14/2022							<0.001		
2/15/2022						0.0011		0.00045 (J)	
2/16/2022		<0.001	0.00021 (J)	<0.001	<0.001				<0.001
7/27/2022	<0.001	<0.001	<0.001	<0.001					<0.001
7/28/2022					<0.001				
8/1/2022							<0.001		
8/2/2022						0.00098 (J)		<0.001	
10/21/2022								0.00032 (J)	
1/26/2023	<0.001	0.00019 (J)							
1/27/2023			<0.001		<0.001				<0.001
1/30/2023				<0.001					
2/1/2023								0.00035 (J)	
2/2/2023							0.00027 (J)		
2/7/2023						0.0008 (J)			

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0008 (J)
2/7/2017	0.0008 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0006 (J)
4/17/2017	0.0007 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0008 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0007 (J)
7/11/2017	0.0007 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0007 (J)
3/26/2018	0.00058 (J)
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.00056 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.00034 (J)
2/27/2019	
3/1/2019	0.00024 (J)
4/2/2019	0.00024 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00014 (J)
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	8.5E-05 (J)
3/19/2020	
3/20/2020	
3/23/2020	9.1E-05 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.001
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.001
3/24/2021	
3/25/2021	<0.001
3/26/2021	
3/29/2021	
8/19/2021	0.00022 (J)
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.001
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.001
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.001
2/2/2023	
2/7/2023	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.00026 (J)				
10/18/2018	<0.001								
10/19/2018			<0.001						
10/22/2018		0.00014 (J)		<0.001					
4/2/2019					0.00022 (J)				
4/4/2019	<0.001		<0.001	<0.001					
4/5/2019		0.00046 (J)							
9/24/2019	<0.001		<0.001						
9/26/2019		0.00017 (J)		<0.001					
9/27/2019					0.00037 (J)				
2/25/2020				<0.001		<0.001			
2/26/2020	<0.001				0.00013 (J)				
2/27/2020		0.00013 (J)	8.9E-05 (J)				0.0027	0.00017 (J)	
2/28/2020									<0.001
3/23/2020	<0.001				0.00011 (J)				
3/24/2020		8.4E-05 (J)	<0.001			<0.001	5.6E-05 (J)	0.00013 (J)	
3/25/2020				6.8E-05 (J)					0.00014 (J)
9/2/2020							0.00042 (J)		
9/25/2020		0.00014 (J)		<0.001		<0.001			
9/28/2020	<0.001		<0.001		0.00019 (J)				
9/29/2020								0.00025 (J)	<0.001
2/19/2021			<0.001						
2/22/2021	<0.001			0.00016 (J)		<0.001		0.00021 (J)	<0.001
2/23/2021		0.00015 (J)							
3/8/2021					0.0002 (J)				
3/9/2021							<0.001		
3/25/2021					0.00019 (J)				
3/26/2021				<0.001		<0.001			
3/29/2021	<0.001						0.00018 (J)		
3/30/2021		0.00016 (J)	<0.001						<0.001
3/31/2021								0.00017 (J)	
8/19/2021							<0.001		
8/20/2021	<0.001			0.00026 (J)		<0.001			
8/23/2021					0.00024 (J)				
8/24/2021			<0.001					0.00027 (J)	<0.001
8/25/2021		<0.001							
2/14/2022					0.00022 (J)		<0.001		
2/15/2022									
2/16/2022	<0.001	<0.001	<0.001					<0.001	<0.001
2/17/2022				<0.001		<0.001			
7/28/2022	<0.001		<0.001	0.00022 (J)		<0.001			<0.001
7/29/2022		<0.001			0.00018 (J)				
8/2/2022							<0.001	<0.001	
1/27/2023	<0.001								
1/30/2023			<0.001	<0.001		<0.001			
1/31/2023		<0.001							<0.001
2/1/2023					<0.001				
2/2/2023								<0.001	
2/7/2023							<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.001
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.001
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.001
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.001
8/25/2021	
2/14/2022	
2/15/2022	<0.001
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.001
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.001
2/2/2023	
2/7/2023	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.001
6/8/2016								<0.001	
8/10/2016									<0.001
8/11/2016								<0.001	
10/4/2016									<0.001
10/5/2016									
10/6/2016								<0.001	
12/2/2016									<0.001
12/5/2016									
12/6/2016								<0.001	
2/14/2017									<0.001
2/15/2017								<0.001	
4/14/2017									<0.001
4/17/2017									
4/18/2017								<0.001	
5/26/2017									<0.001
6/2/2017								<0.001	
7/10/2017									<0.001
7/11/2017									
7/14/2017								<0.001	
3/26/2018									<0.001
3/27/2018								<0.001	
6/12/2018									<0.001
6/13/2018								<0.001	
10/16/2018									<0.001
10/17/2018									
10/18/2018								<0.001	
2/25/2019									<0.001
2/28/2019								<0.001	
4/1/2019									<0.001
4/2/2019								7E-05 (J)	
9/24/2019								8.7E-05 (J)	<0.001
2/19/2020									<0.001
2/20/2020									
2/21/2020								9.6E-05 (J)	
3/18/2020									<0.001
3/19/2020								0.00011 (J)	
9/3/2020	<0.001	0.0024	<0.001						
9/23/2020									<0.001
9/24/2020									
9/25/2020								<0.001	
1/28/2021						0.0002 (J)	0.00045 (J)		
2/16/2021									<0.001
2/17/2021									
2/18/2021				<0.001				<0.001	
2/22/2021	<0.001								
2/23/2021						<0.001	0.00023 (J)		
3/8/2021		0.0015							
3/24/2021									<0.001
3/29/2021		0.0016							
3/30/2021						0.0004 (J)	0.00024 (J)	0.00015 (J)	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			<0.001						
4/1/2021	<0.001								
4/19/2021				<0.001	<0.001				
8/18/2021			<0.001		<0.001				<0.001
8/19/2021								0.00023 (J)	
8/20/2021	<0.001								
8/23/2021		0.0028				<0.001	0.00037 (J)		
8/24/2021				<0.001					
2/9/2022			<0.001		<0.001				
2/10/2022									<0.001
2/11/2022								0.0003 (J)	
2/14/2022						<0.001	<0.001		
2/15/2022		0.0034							
2/17/2022	<0.001			<0.001					
7/26/2022			<0.001		<0.001				<0.001
7/28/2022	<0.001						<0.001	0.00029 (J)	
8/1/2022		0.0028		<0.001		<0.001			
1/25/2023			<0.001		<0.001				
1/26/2023								0.00019 (J)	<0.001
1/30/2023	<0.001								
1/31/2023						<0.001	0.0002 (J)		
2/1/2023				<0.001					
2/7/2023		0.0011							

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.001
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.001
10/4/2016	
10/5/2016	<0.001
10/6/2016	
12/2/2016	
12/5/2016	<0.001
12/6/2016	
2/14/2017	
2/15/2017	<0.001
4/14/2017	
4/17/2017	<0.001
4/18/2017	
5/26/2017	<0.001
6/2/2017	
7/10/2017	
7/11/2017	<0.001
7/14/2017	
3/26/2018	
3/27/2018	<0.001
6/12/2018	<0.001
6/13/2018	
10/16/2018	
10/17/2018	<0.001
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	6.5E-05 (J)
4/2/2019	
9/24/2019	<0.001
2/19/2020	
2/20/2020	0.00022 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.00018 (J)
9/3/2020	
9/23/2020	
9/24/2020	<0.001
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.001
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.001
3/29/2021	
3/30/2021	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.001
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.001
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.001
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.00018 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	170					220			
6/7/2016							300	510	
8/9/2016	183								
8/10/2016						299			
8/11/2016									
8/12/2016								476	
8/16/2016							286		
8/22/2016		121							
10/3/2016	201								
10/4/2016		95				245			
10/6/2016								524	
10/7/2016							513		
11/29/2016	109								
12/1/2016		121				269			
12/5/2016								489	
12/6/2016							421		
1/10/2017		115							
2/13/2017	214								
2/14/2017		345 (o)				405			
2/15/2017								562	
2/16/2017							433		
4/13/2017	211					349			
4/14/2017		119							
4/18/2017							349	955	
5/25/2017	173	109				283			
5/30/2017									
6/2/2017							313	602	
7/7/2017	165					265			
7/10/2017		140							
7/12/2017							255		
7/13/2017								617	
7/14/2017									
10/9/2017	150					253			
10/10/2017		93						534	
10/11/2017							343		
6/12/2018	187	139							
6/14/2018							362	684	
10/16/2018	192	138				311			
10/17/2018								739	
10/18/2018							355		
4/1/2019	226	114						191	
4/2/2019						295	355		
4/3/2019			235						
9/23/2019	186	122				296			
9/25/2019							388	690	
9/26/2019									
9/27/2019			275						
2/18/2020						318			
2/19/2020		113							
2/21/2020			229						
3/18/2020	191	108							
3/19/2020						300		662	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			229						
3/23/2020							355		
5/22/2020				357					454
5/25/2020					249				
6/23/2020				383	280				423
7/28/2020				410	264				768
9/2/2020				389					814
9/3/2020					303				
9/23/2020	237	114				296			
9/24/2020							356		
9/25/2020			233					740	
10/1/2020				384	301				824
11/10/2020				405	305				800
12/15/2020				385	289				876
1/20/2021				377	285				786
3/23/2021		108							
3/24/2021								752	445
3/25/2021				415	331				
3/26/2021	204								
3/30/2021							321		
3/31/2021						299			
4/1/2021			183						
8/16/2021	217	101		399	269	298			
8/18/2021							366	798	850
8/25/2021			208						
2/9/2022	229			403	290	304			468
2/10/2022		96							
2/11/2022							360	816	
2/16/2022			208						
7/26/2022	215	114		402	246	306			966
7/27/2022								952	
7/28/2022							338		
8/3/2022			287						
1/24/2023	223	129		391	280				
1/25/2023						312			
1/26/2023								995	554
1/27/2023							380		
2/2/2023			368						

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	580
8/9/2016	
8/10/2016	
8/11/2016	548
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	617
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	730
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	685
4/13/2017	
4/14/2017	
4/18/2017	621
5/25/2017	
5/30/2017	601
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	569
10/9/2017	
10/10/2017	
10/11/2017	588
6/12/2018	593
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	578
4/1/2019	
4/2/2019	604
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	688
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	
3/19/2020	631

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	732
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	610
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	658
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	782
2/16/2022	
7/26/2022	
7/27/2022	944
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	895
1/27/2023	
2/2/2023	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	360								
6/8/2016		390	340	1000	260	2000			170
6/9/2016							1900	5200	
8/11/2016	340								
8/12/2016		310	326	1100					
8/15/2016									161
8/18/2016					239	1960	1600	4200	
10/7/2016	533	823	621						
10/10/2016				1110	239	2130	1640	3850	196
12/6/2016	413	560							
12/7/2016			269	1100			1770	2720	
12/8/2016					255	2200			209
1/23/2017									
2/7/2017									
2/16/2017	434	364	488						
2/17/2017				1160	236	2200			
2/20/2017							1720	4200	251
3/27/2017									
4/17/2017									
4/19/2017	415	337	396	1180	247		1800	4680	
4/20/2017						2330			324
5/22/2017									
5/30/2017	391								
6/1/2017		215	266	1130	185				177
6/5/2017						2530	2050	5660	
7/11/2017									
7/14/2017	391	281	325						
7/17/2017							1810	5080	238
7/18/2017				1160	219				
7/19/2017						2650			
8/23/2017									
10/10/2017									
10/11/2017	403	334	287	1050			1780	4920	199
10/12/2017					245	2500			
6/13/2018				1060			2020	4180	
6/14/2018	395	290			231	2380			225
6/15/2018			280						
10/17/2018	446								
10/18/2018		325							
10/19/2018			321		236				
10/22/2018				1150		2490	1880	4300	218
4/2/2019	321	258							
4/3/2019			259	1090	244	2180	1990	13 (J)	
4/4/2019									196
9/26/2019	550	470	428	1210					
9/27/2019						3260	2540		
9/30/2019					256			4430	220
2/25/2020						1930			
2/26/2020									
3/19/2020	324								
3/20/2020		255	243		253	2200			
3/23/2020				1220			2800		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/24/2020									213
3/25/2020								4140	
9/24/2020	481	310			243	3490	3160		
9/25/2020								5020	
9/28/2020			243	1060					223
3/24/2021	374	240							
3/25/2021									
3/26/2021			205				2690	3070	215
3/29/2021				1100	198	2430			
8/19/2021	384	252							235
8/20/2021			204	1300	213				
8/23/2021						3660	3140	4300	
2/11/2022	392								
2/14/2022							3350		
2/15/2022						3340		3890	
2/16/2022		253	288	1180	235				235
7/27/2022	438	307	338	1370					231
7/28/2022					259				
8/1/2022							2780		
8/2/2022						3440		334	
10/21/2022								1610	
1/26/2023	396	197							
1/27/2023			200		342				310
1/30/2023				1280					
2/1/2023								2550	
2/2/2023							2680		
2/7/2023						2490			

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	2060
2/7/2017	1860
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	2440
4/17/2017	2180
4/19/2017	
4/20/2017	
5/22/2017	2470
5/30/2017	
6/1/2017	
6/5/2017	2780
7/11/2017	2580
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	2400
10/10/2017	1990
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	1190
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	1070
4/2/2019	773
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	629
9/30/2019	
2/25/2020	
2/26/2020	523
3/19/2020	
3/20/2020	
3/23/2020	613

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	482
9/28/2020	
3/24/2021	
3/25/2021	358
3/26/2021	
3/29/2021	
8/19/2021	682
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	618
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	582
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	745
2/2/2023	
2/7/2023	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					1200				
10/18/2018	501								
10/19/2018			450						
10/22/2018		1140		1810					
4/2/2019					976				
4/4/2019	350		419	1930					
4/5/2019		1160							
9/24/2019	419		442						
9/26/2019		1410		2240					
9/27/2019					1030				
11/15/2019		1540							
12/13/2019								2550	
12/16/2019									753
2/25/2020				1820		840			
2/26/2020					650				
2/27/2020							1230		
3/23/2020	395				714				
3/24/2020		995	451			628	1610	787	
3/25/2020				1240					783
5/4/2020									
9/2/2020							982		
9/25/2020		1690		880		594			
9/28/2020	405		466		938				
9/29/2020								2520	908
3/25/2021					902				
3/26/2021				2220		496			
3/29/2021	352						702		
3/30/2021		1030	346						582
3/31/2021								1060	
8/19/2021							808		
8/20/2021	419			2040		530			
8/23/2021					1140				
8/24/2021			504					2420	604
8/25/2021		1340							
2/14/2022					848		926		
2/15/2022									
2/16/2022	428	1320	474					1760	776
2/17/2022				2850		570			
7/28/2022	473		540	2930		692			810
7/29/2022		1260			846				
8/2/2022							1060	2700	
1/27/2023	433								
1/30/2023			593	2720		720			
1/31/2023		1240							671
2/1/2023					948				
2/2/2023								1220	
2/7/2023							348		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	904
9/2/2020	829
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	1010
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	1160
8/25/2021	
2/14/2022	
2/15/2022	1140
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	1180
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	1500
2/2/2023	
2/7/2023	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									200
6/8/2016								800	
8/10/2016									228
8/11/2016								852	
10/4/2016									186
10/5/2016									
10/6/2016								906	
12/2/2016									183
12/5/2016									
12/6/2016								976	
2/14/2017									367
2/15/2017								968	
4/14/2017									184
4/17/2017									
4/18/2017								944	
5/26/2017									179
6/2/2017								910	
7/10/2017									211
7/11/2017									
7/14/2017								887	
10/10/2017									178
10/11/2017								887	
6/12/2018									217
6/13/2018								873	
10/16/2018									247
10/17/2018									
10/18/2018								876	
4/1/2019									191
4/2/2019								728	
9/24/2019								733	193
3/18/2020									193
3/19/2020								733	
5/4/2020		1680	298						
5/11/2020	470								
5/20/2020	799	1960							
9/3/2020	611	1980	312						
9/23/2020									187
9/24/2020									
9/25/2020								726	
1/28/2021						2950	1460		
3/24/2021									198
3/29/2021		700							
3/30/2021						1980	1170	570	
3/31/2021			308						
4/1/2021	502								
4/19/2021				970	270				
8/18/2021			307		264				220
8/19/2021								666	
8/20/2021	628								
8/23/2021		2890				3370	1960		
8/24/2021				1530					

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
2/9/2022			347		377				
2/10/2022									259
2/11/2022								618	
2/14/2022						632	321		
2/15/2022		1620							
2/17/2022	658			1620					
7/26/2022			344		409				196
7/28/2022	628						236	732	
8/1/2022		1850		1330		502			
1/25/2023			350		659				
1/26/2023								657	190
1/30/2023	658								
1/31/2023						664	286		
2/1/2023				1820					
2/7/2023		992							

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	320
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	361
10/4/2016	
10/5/2016	376
10/6/2016	
12/2/2016	
12/5/2016	426
12/6/2016	
2/14/2017	
2/15/2017	452
4/14/2017	
4/17/2017	388
4/18/2017	
5/26/2017	423
6/2/2017	
7/10/2017	
7/11/2017	387
7/14/2017	
10/10/2017	376
10/11/2017	
6/12/2018	348
6/13/2018	
10/16/2018	
10/17/2018	377
10/18/2018	
4/1/2019	326
4/2/2019	
9/24/2019	325
3/18/2020	
3/19/2020	306
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	322
9/25/2020	
1/28/2021	
3/24/2021	294
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	307
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	

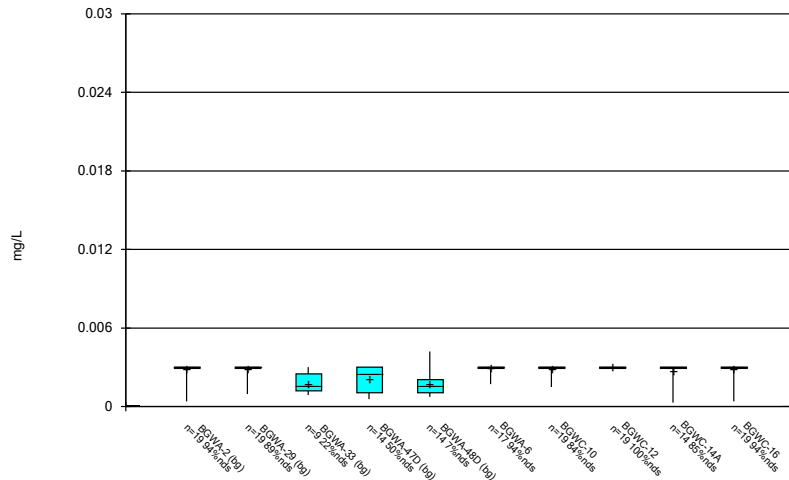
Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
2/9/2022	
2/10/2022	304
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	349
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	301
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	

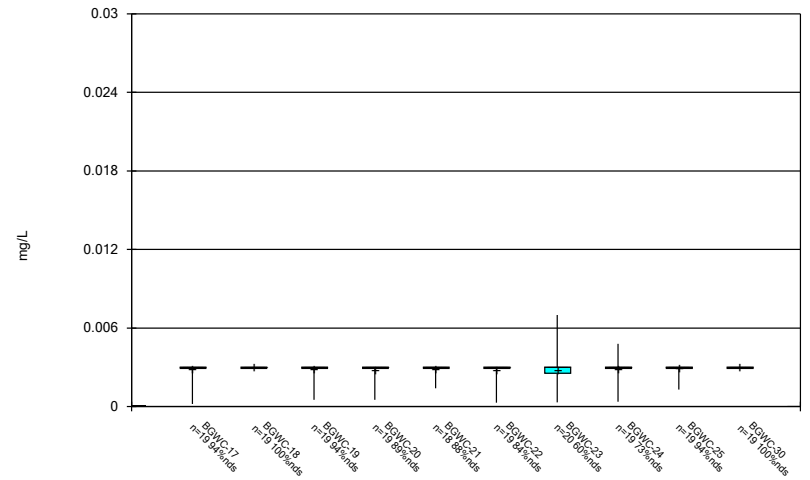
FIGURE B.

Box & Whiskers Plot



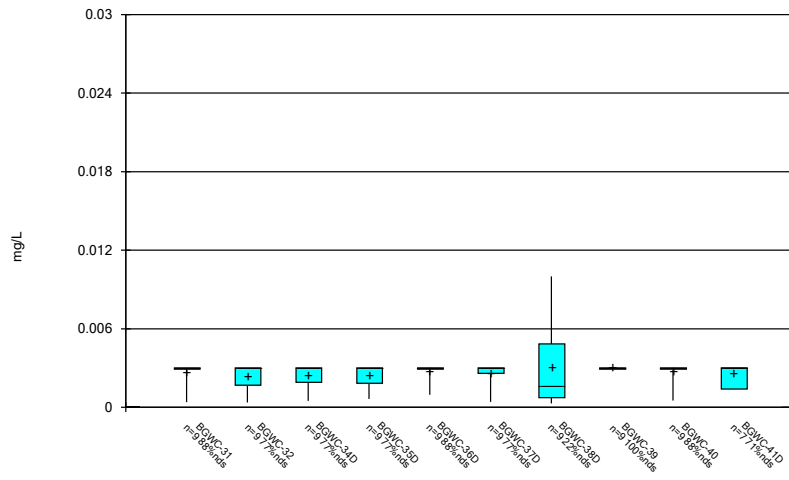
Constituent: Antimony Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



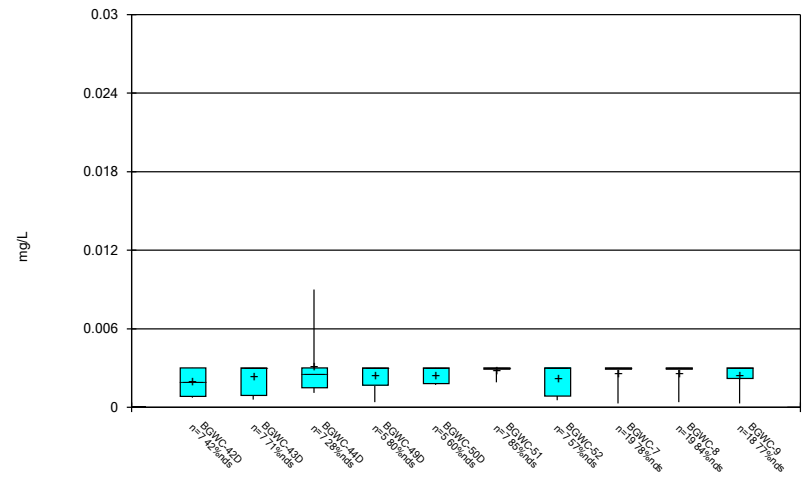
Constituent: Antimony Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



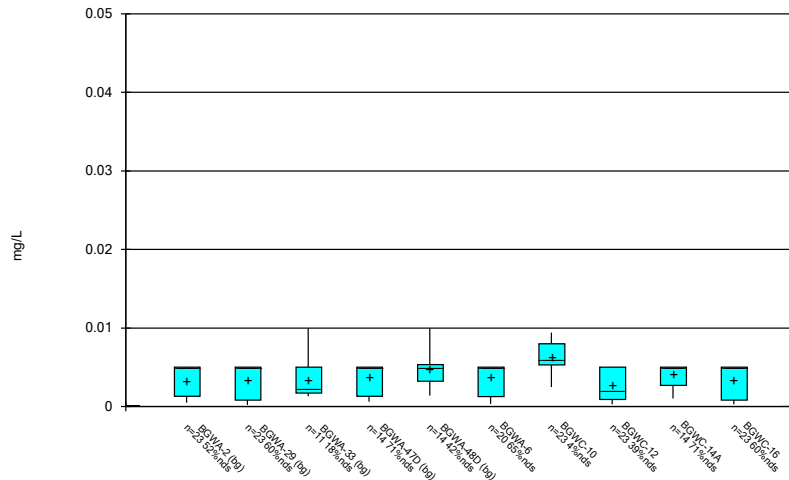
Constituent: Antimony Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



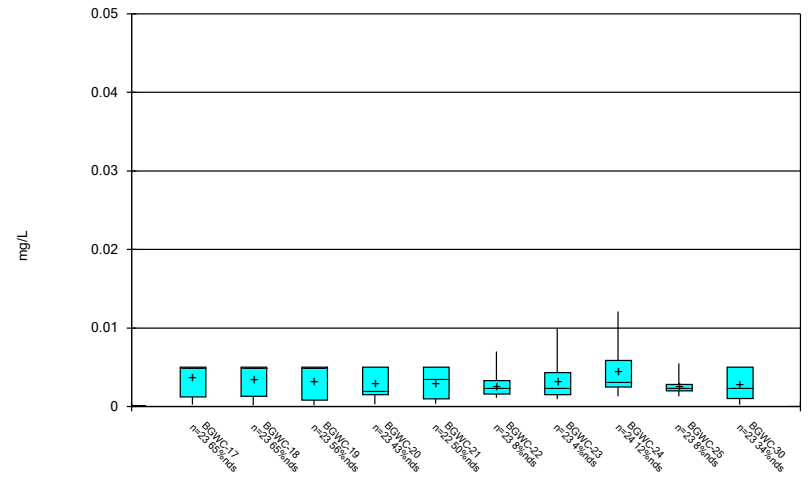
Constituent: Antimony Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



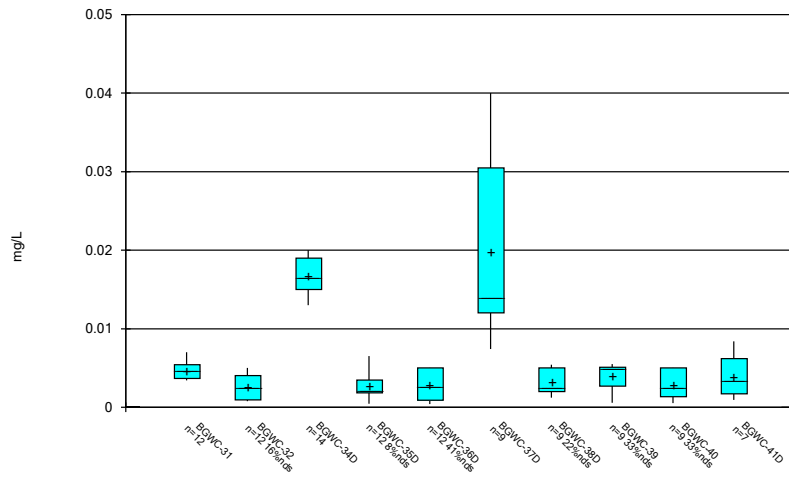
Constituent: Arsenic Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



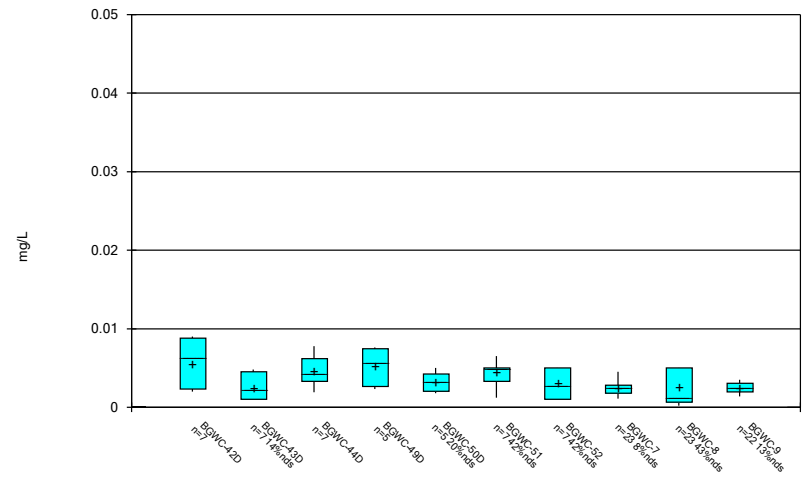
Constituent: Arsenic Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



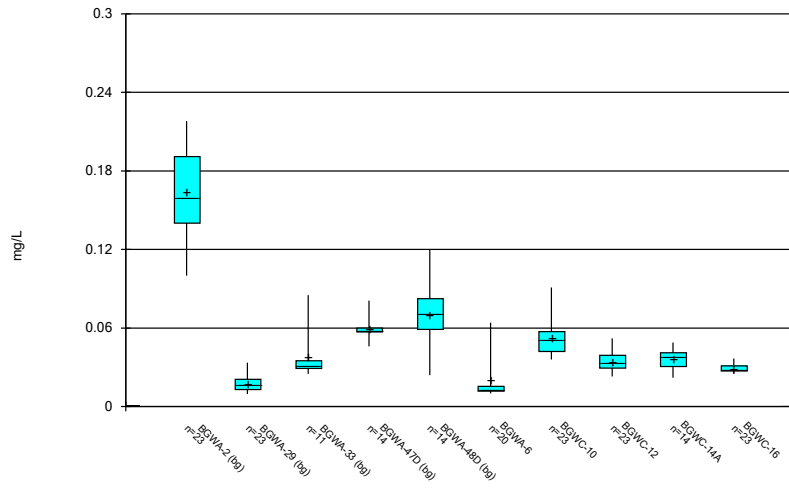
Constituent: Arsenic Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



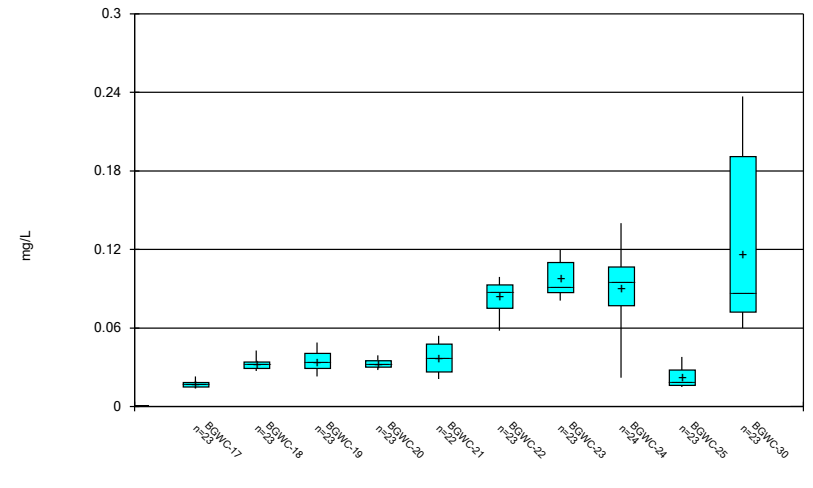
Constituent: Arsenic Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



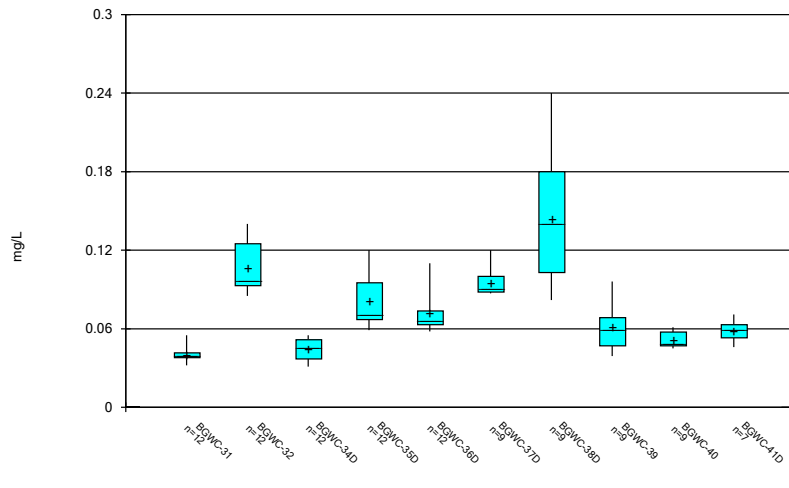
Constituent: Barium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



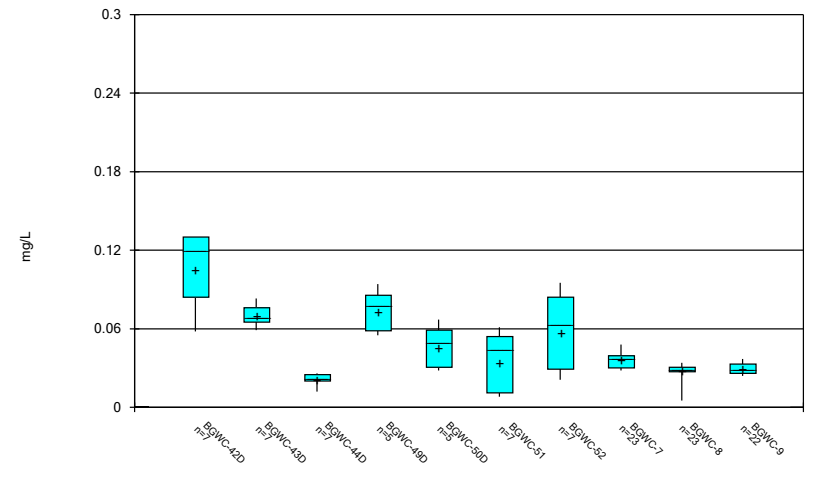
Constituent: Barium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



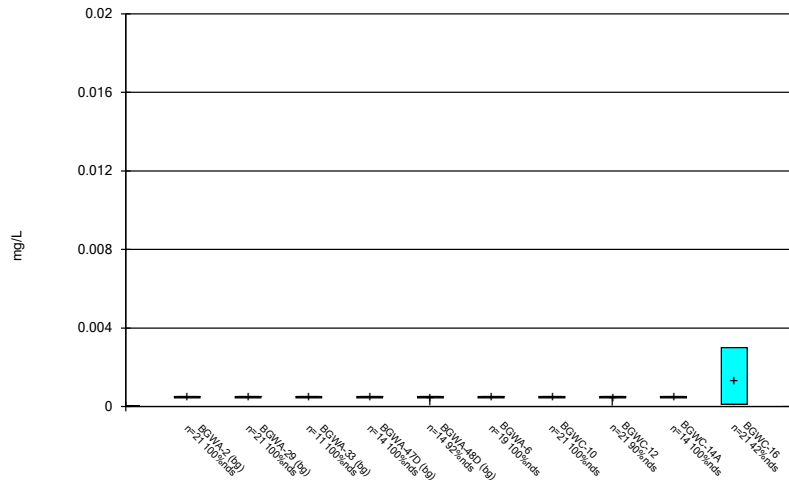
Constituent: Barium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



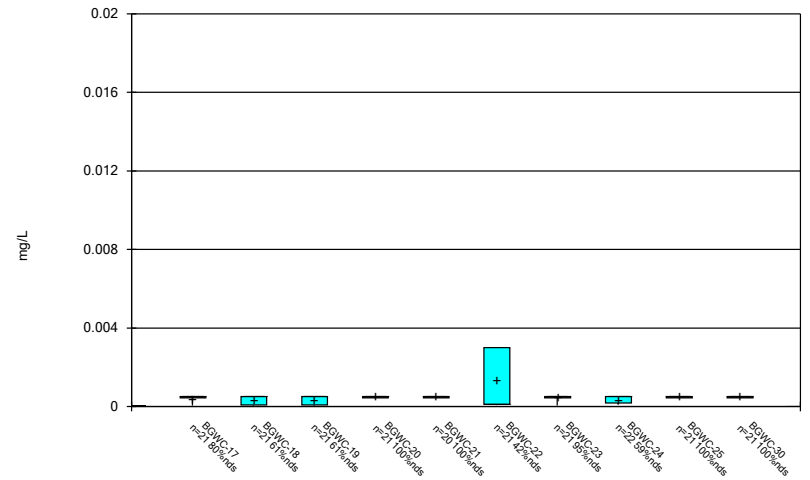
Constituent: Barium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



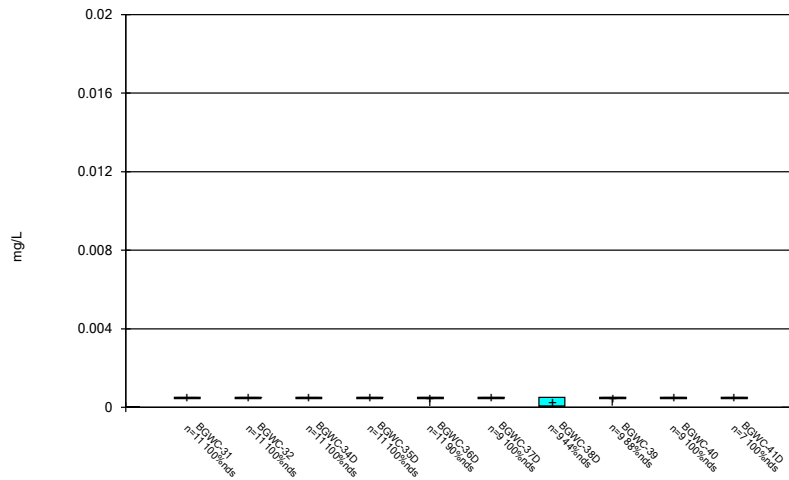
Constituent: Beryllium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



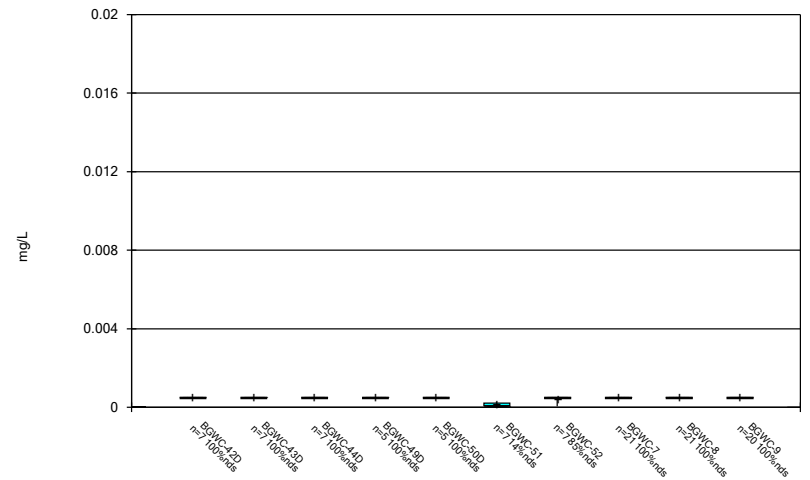
Constituent: Beryllium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



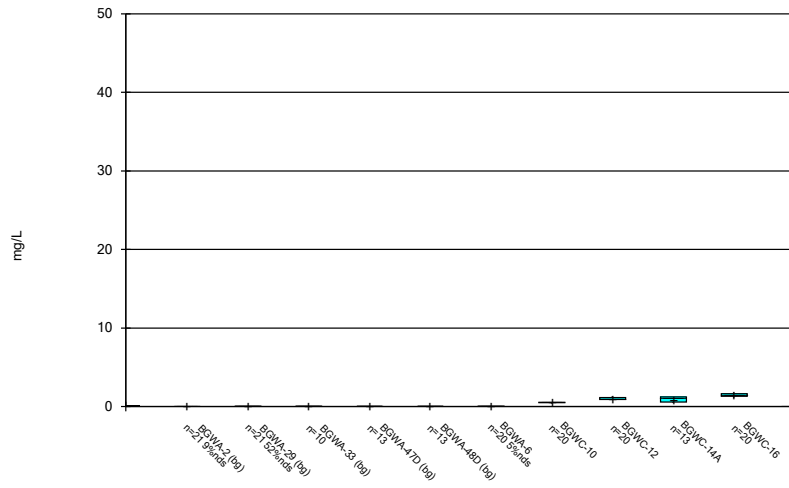
Constituent: Beryllium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



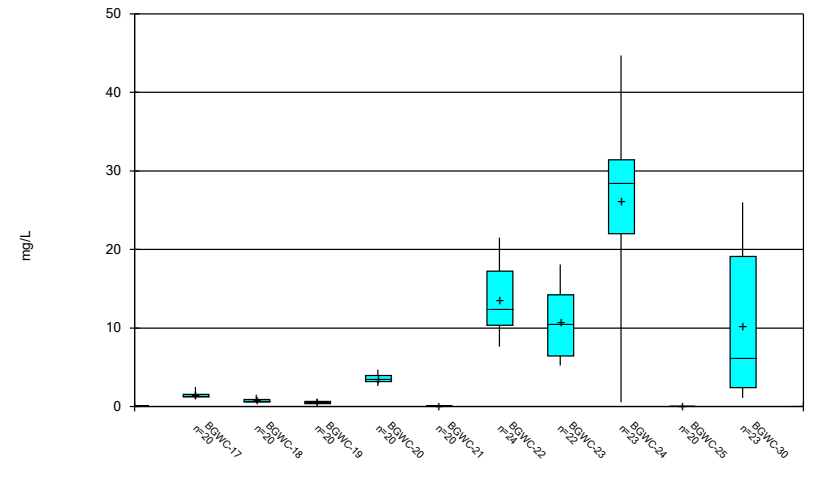
Constituent: Beryllium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



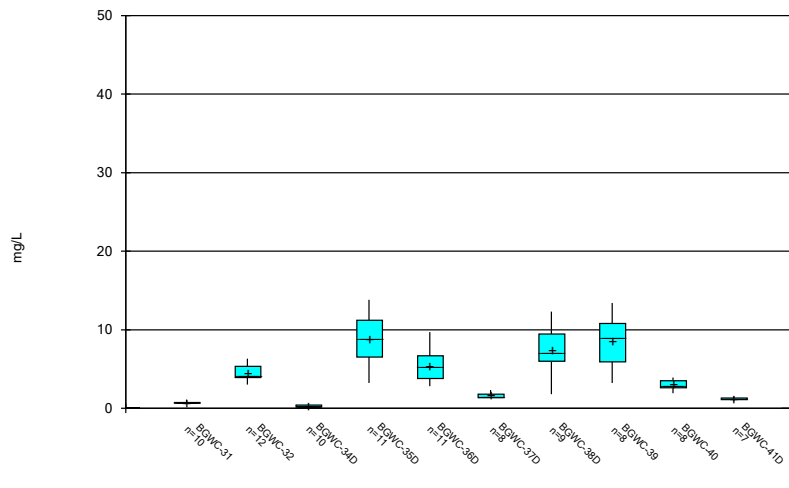
Constituent: Boron Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



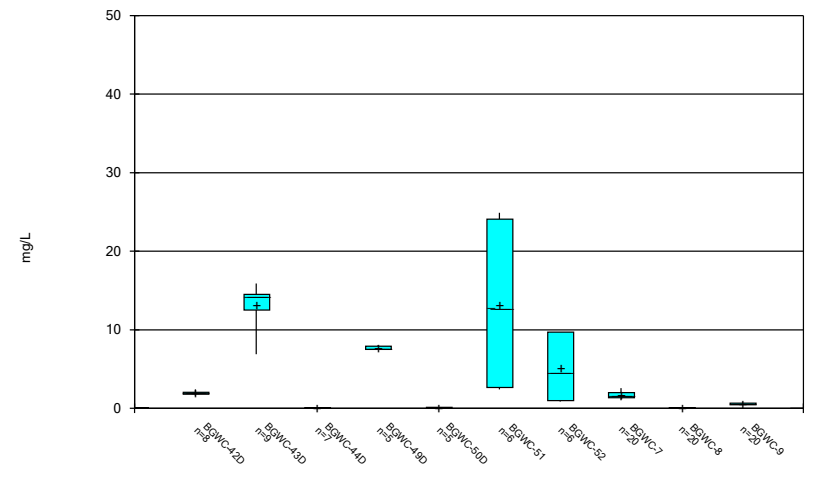
Constituent: Boron Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



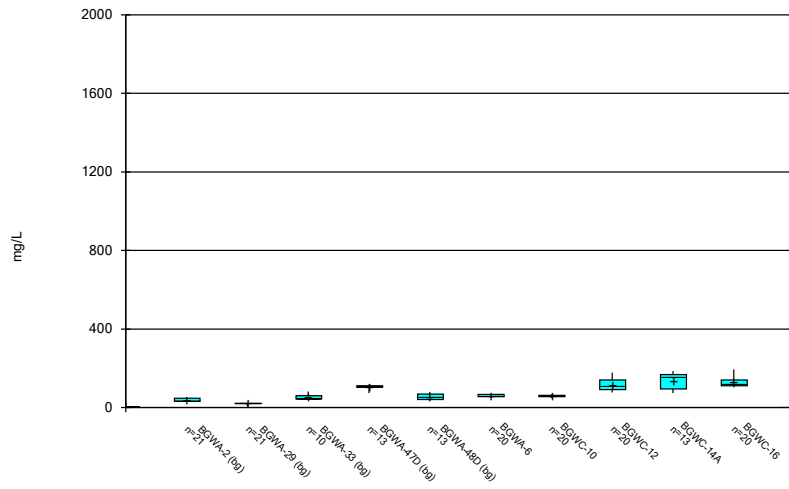
Constituent: Boron Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



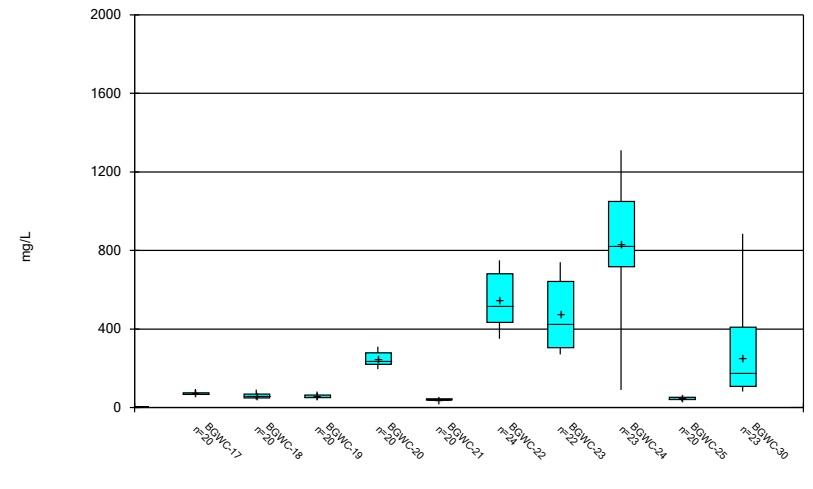
Constituent: Boron Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



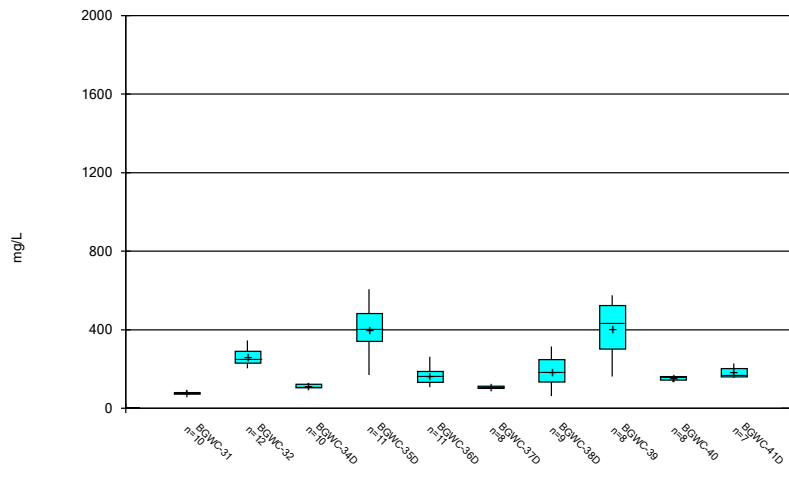
Constituent: Calcium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



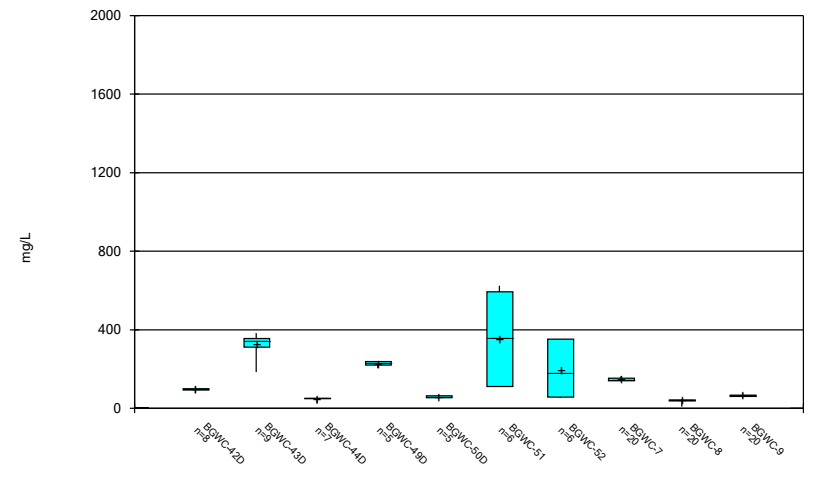
Constituent: Calcium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



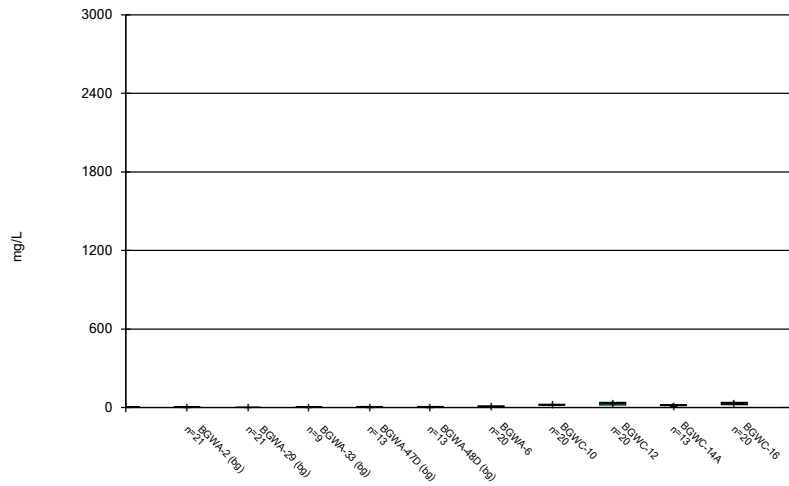
Constituent: Calcium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



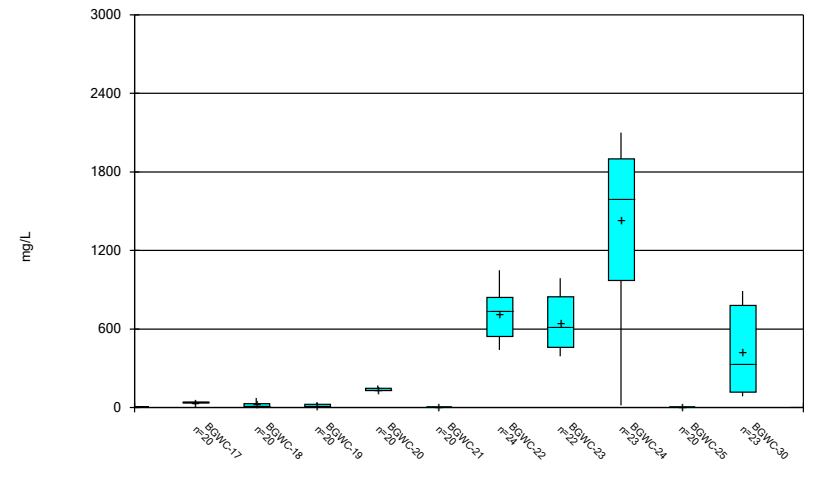
Constituent: Calcium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



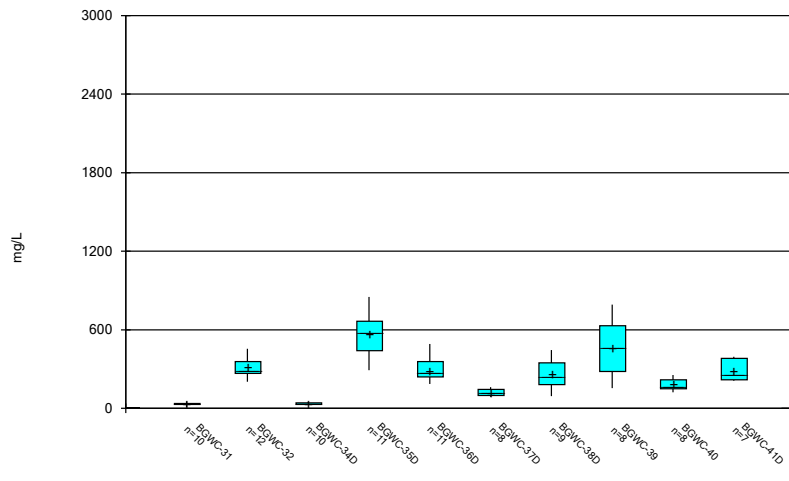
Constituent: Chloride Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



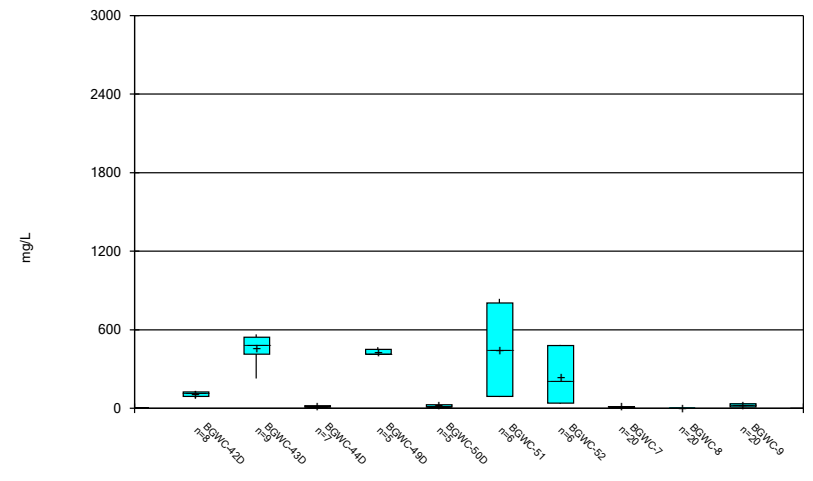
Constituent: Chloride Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



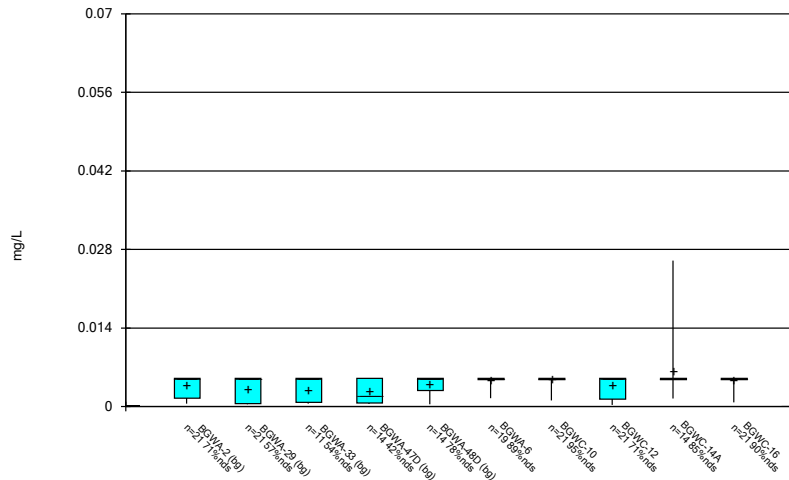
Constituent: Chloride Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



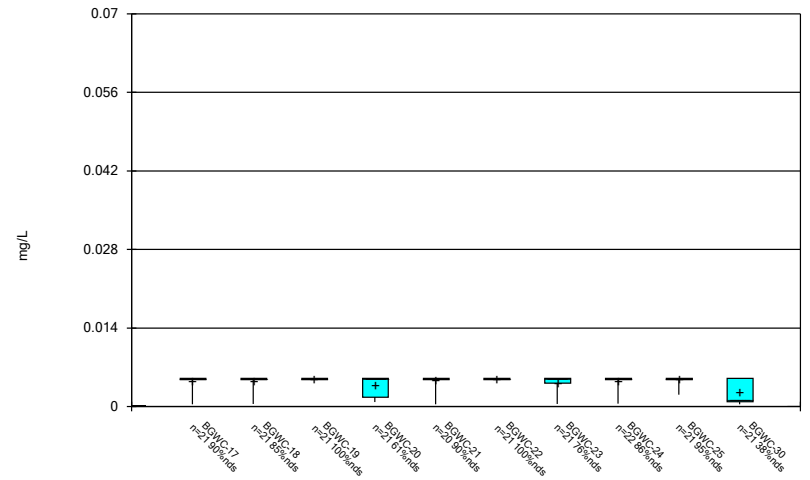
Constituent: Chloride Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



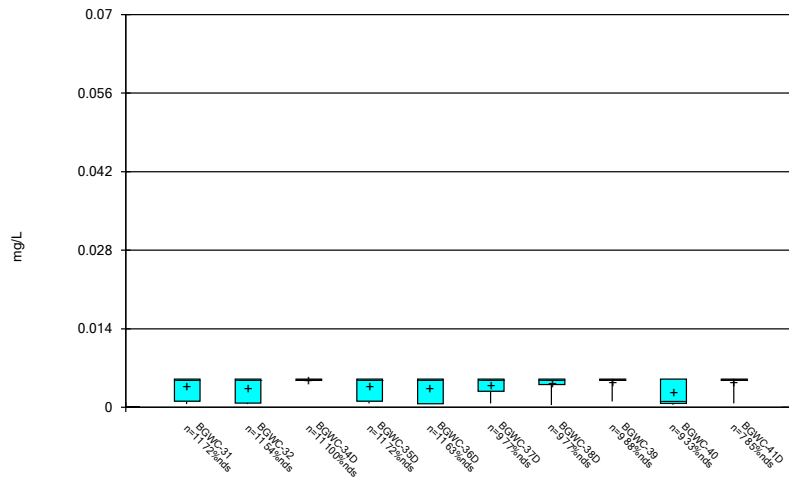
Constituent: Chromium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



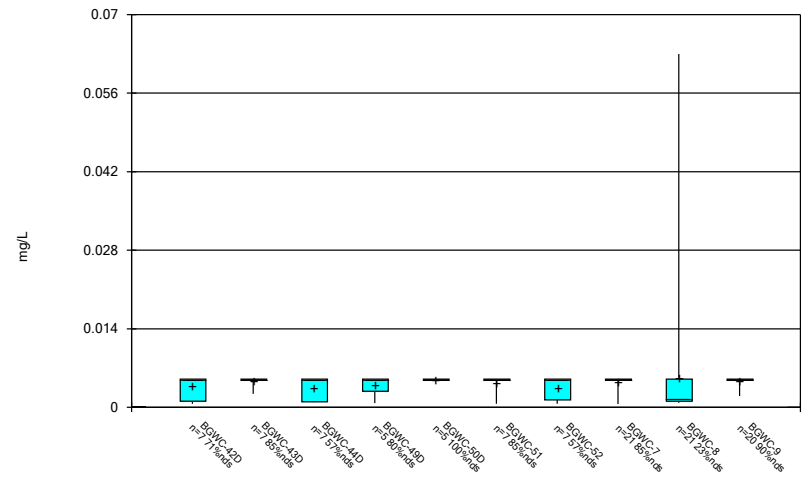
Constituent: Chromium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



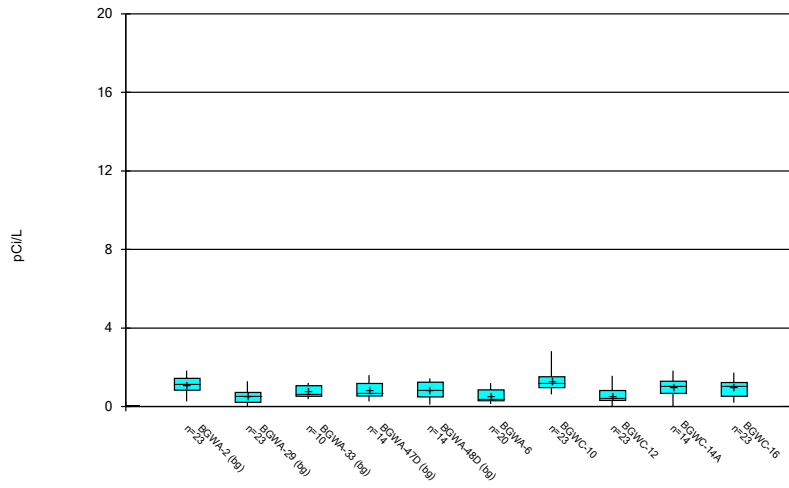
Constituent: Chromium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



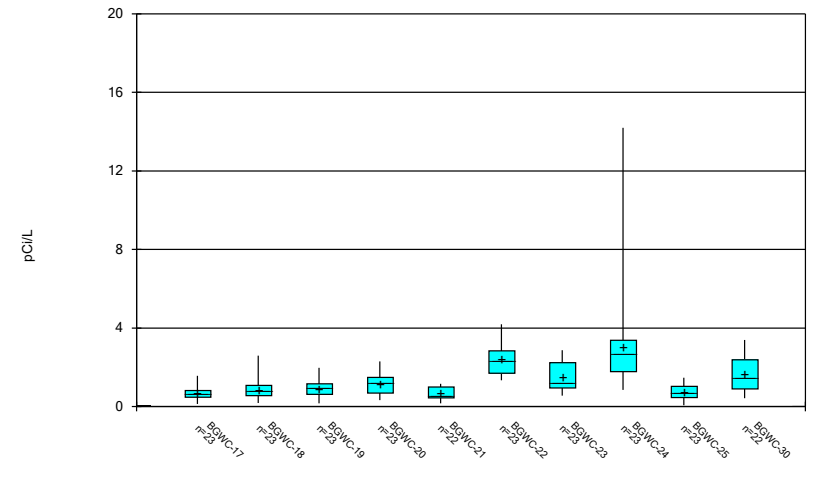
Constituent: Chromium Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



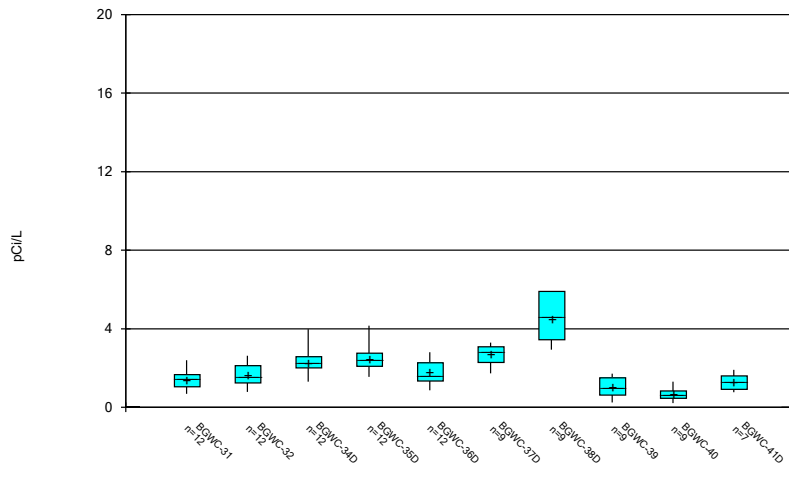
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



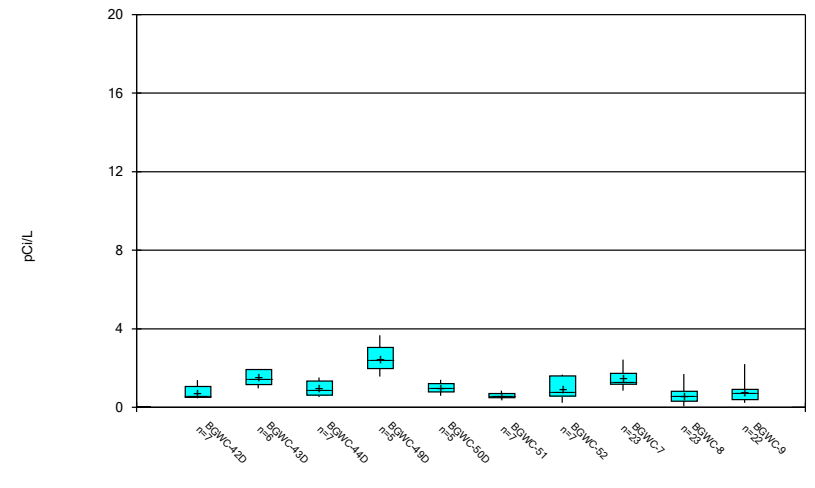
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



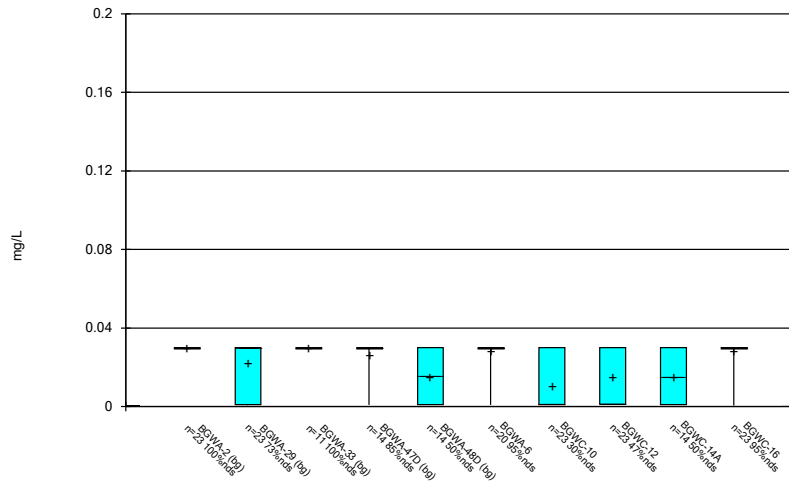
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



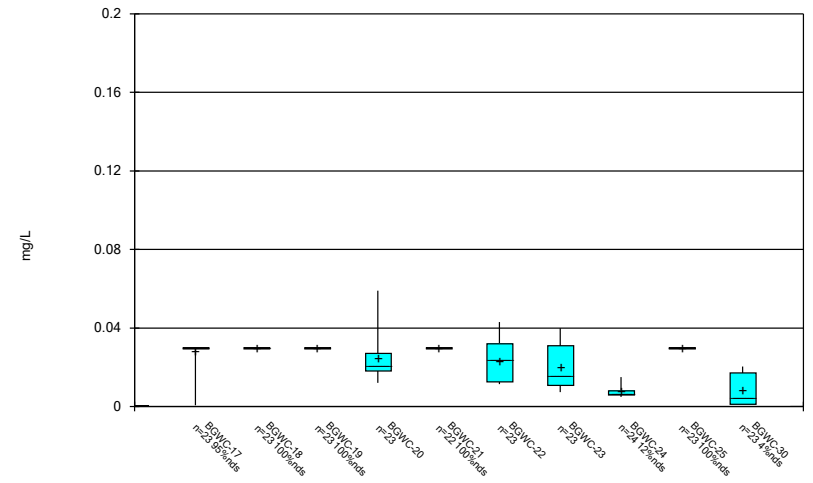
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:50 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



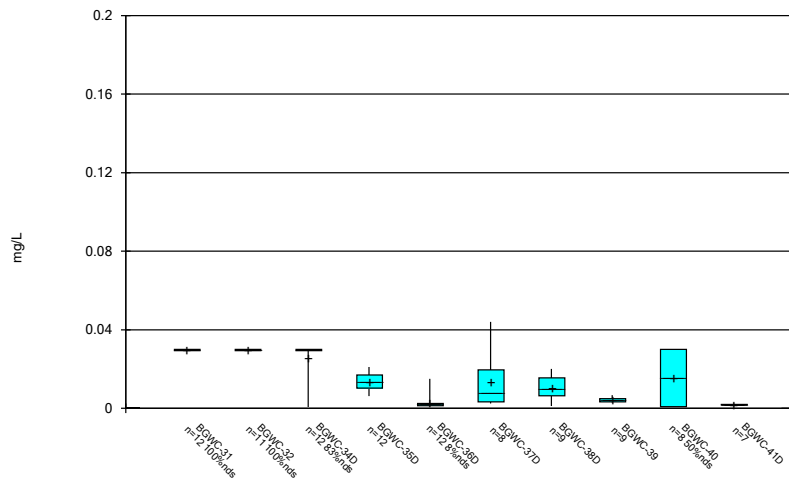
Constituent: Lithium Analysis Run 5/25/2023 11:51 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



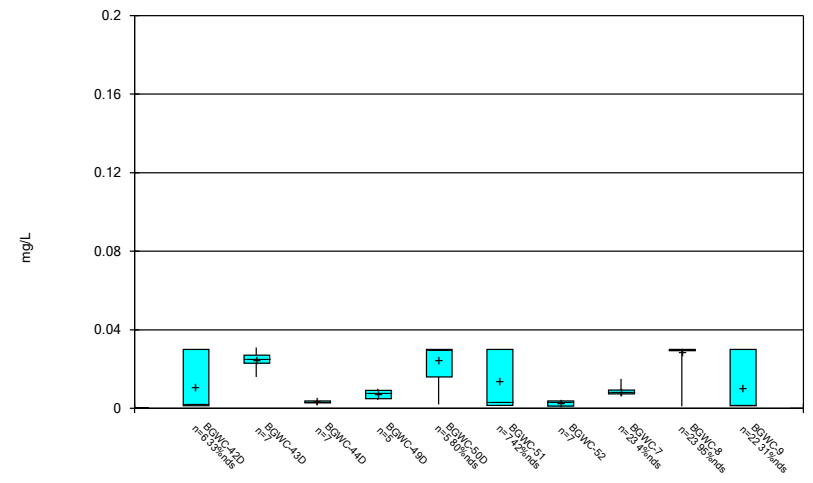
Constituent: Lithium Analysis Run 5/25/2023 11:51 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



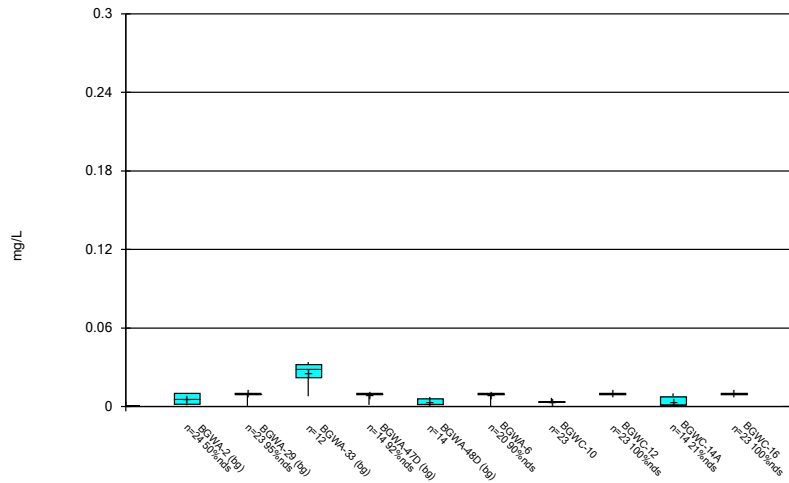
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



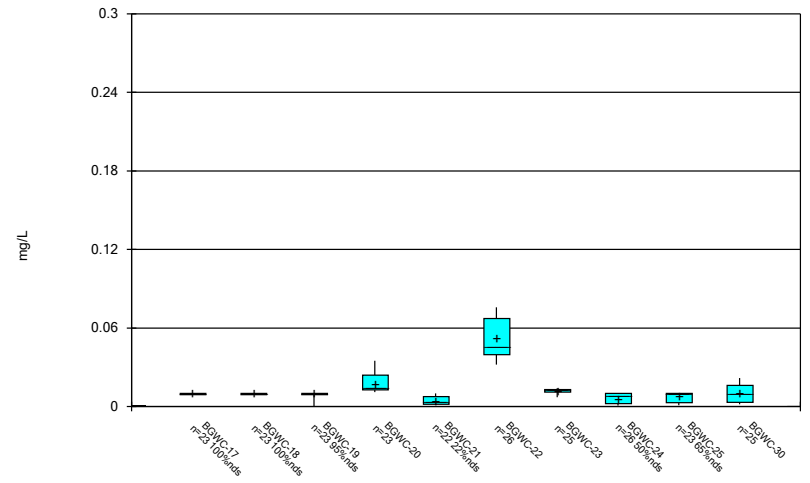
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



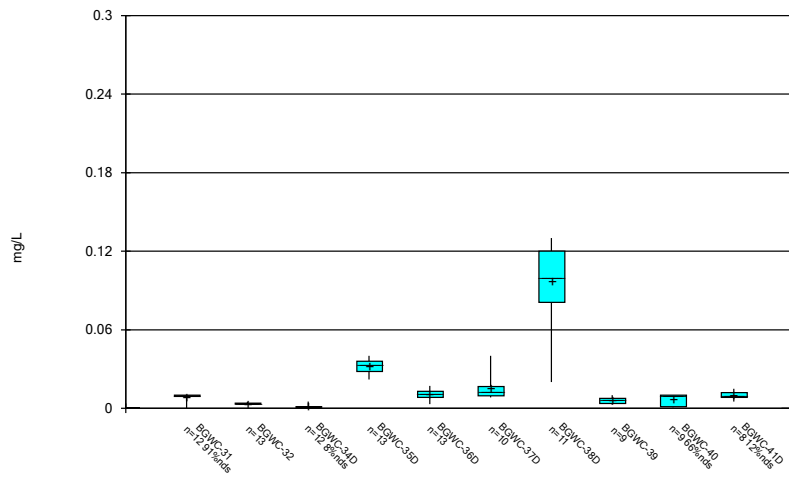
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



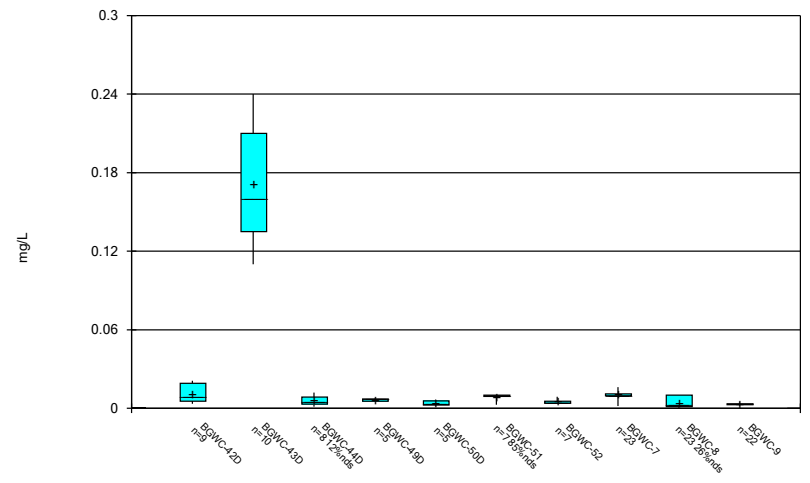
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



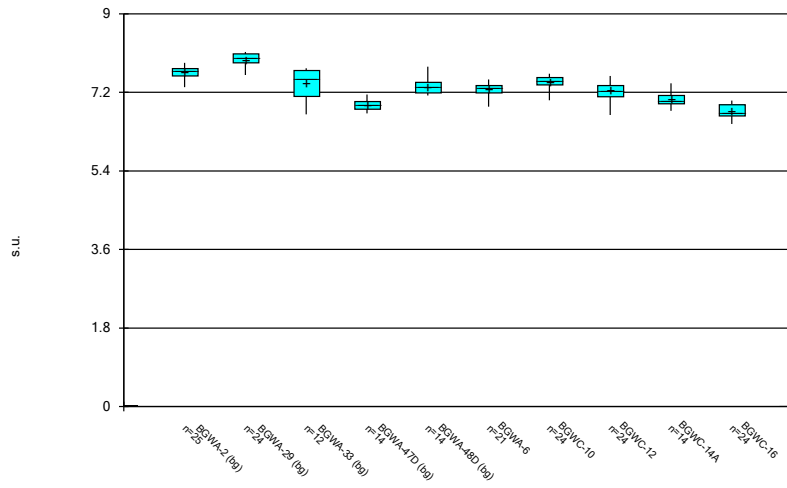
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



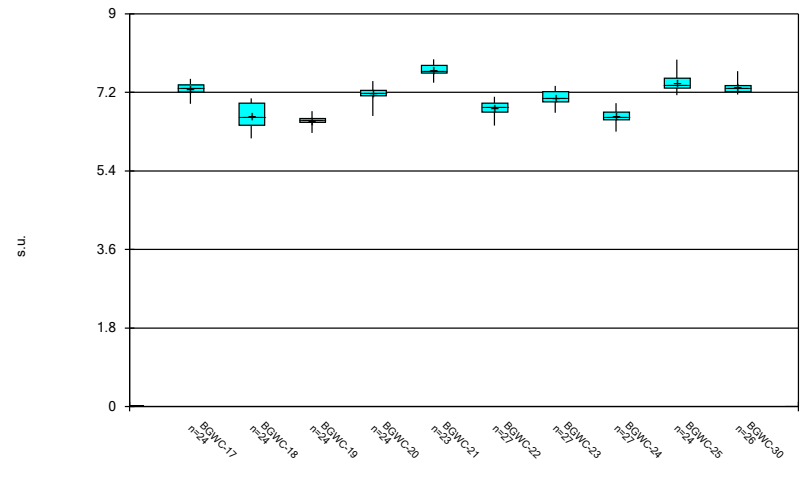
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



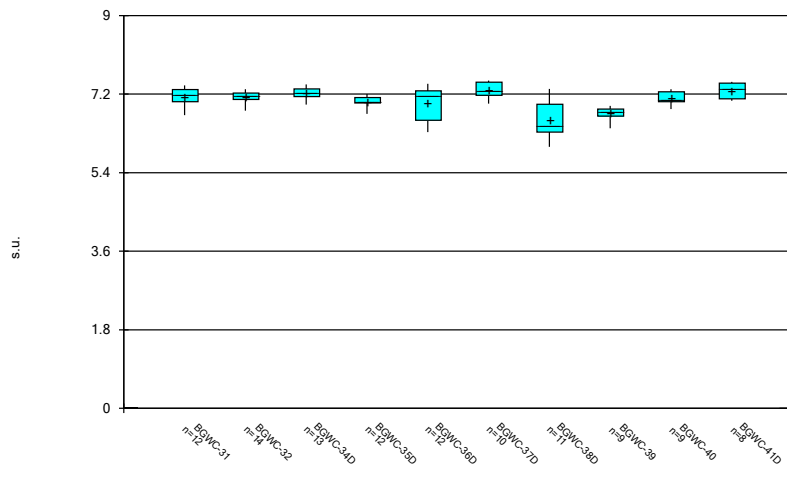
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



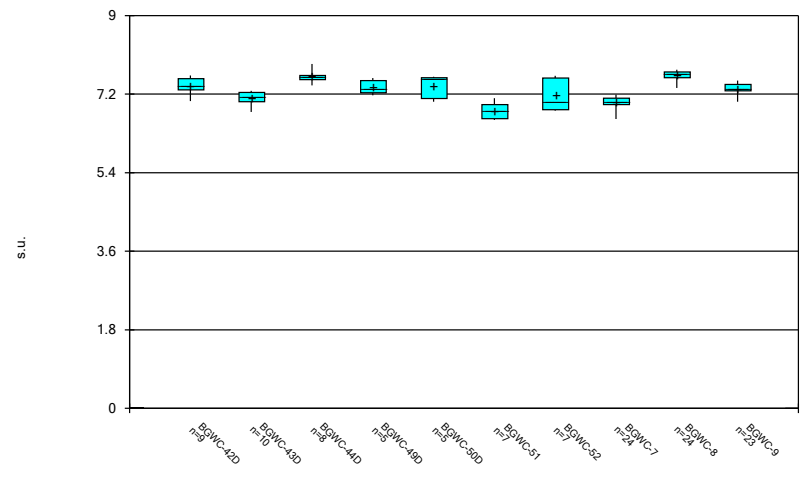
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Box & Whiskers Plot



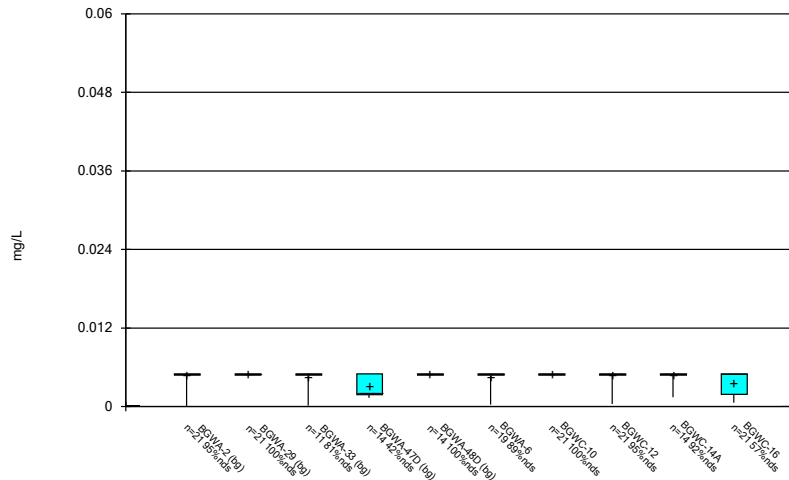
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



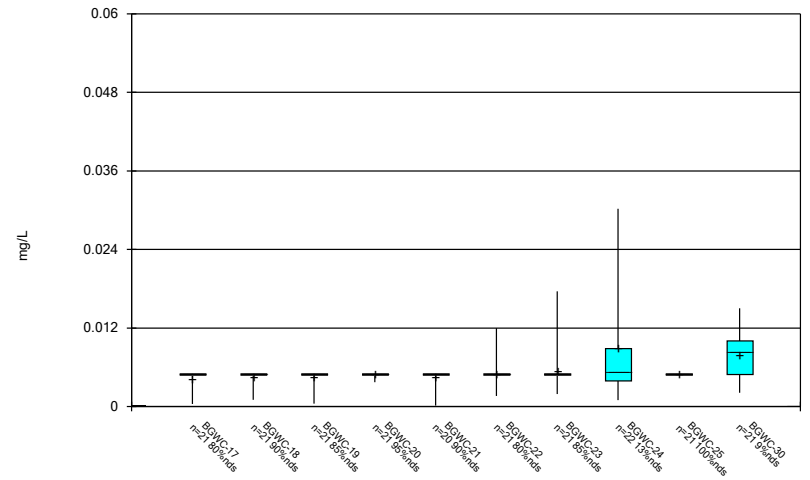
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



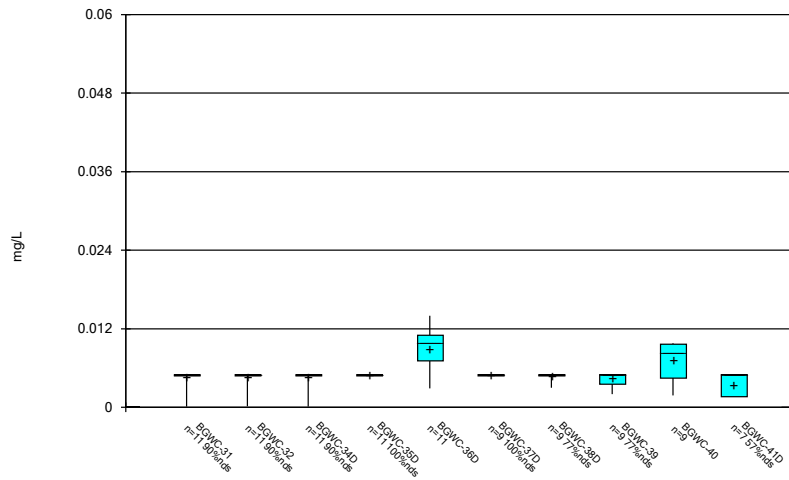
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Box & Whiskers Plot



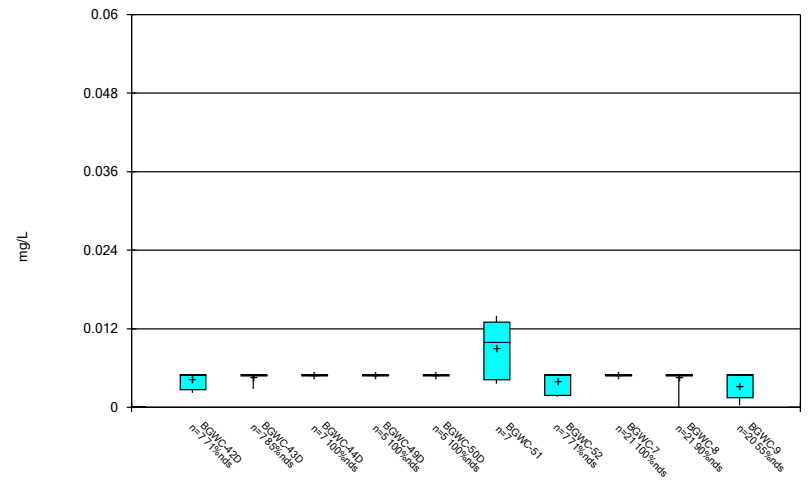
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Box & Whiskers Plot



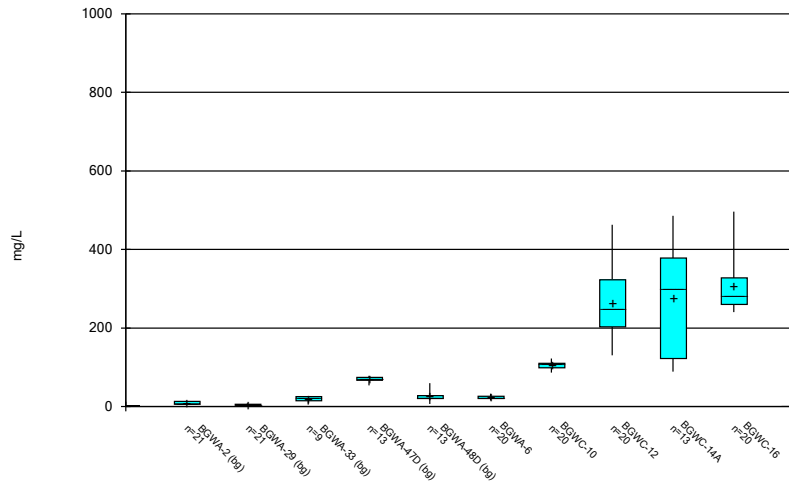
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Box & Whiskers Plot



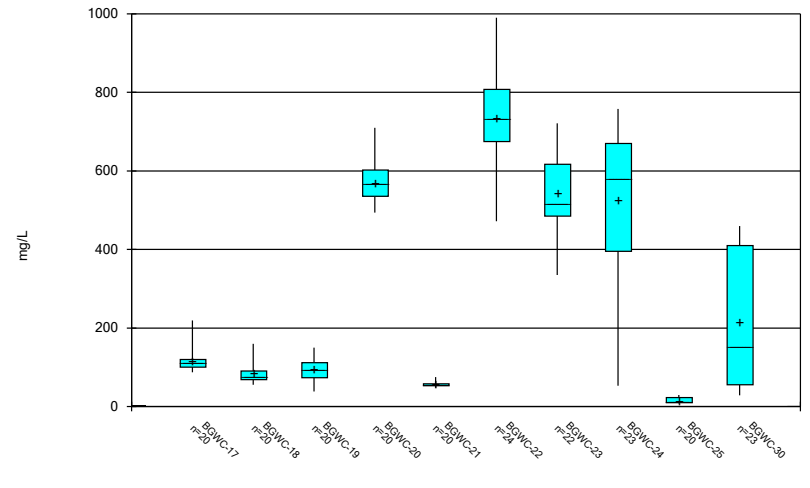
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



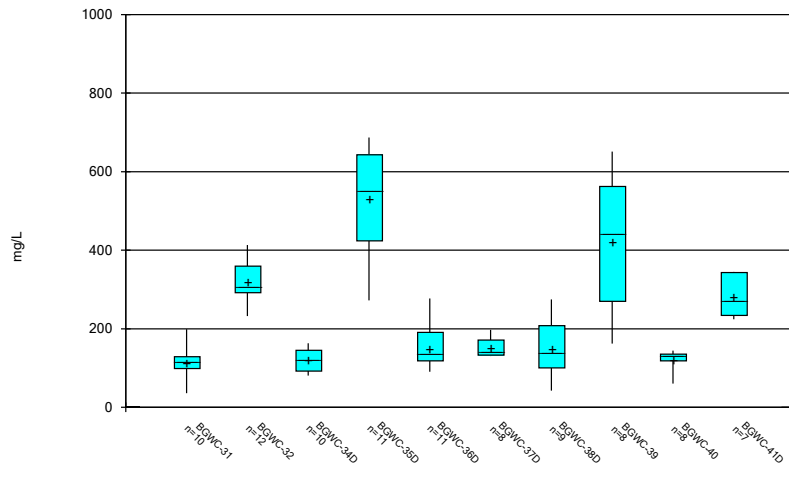
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



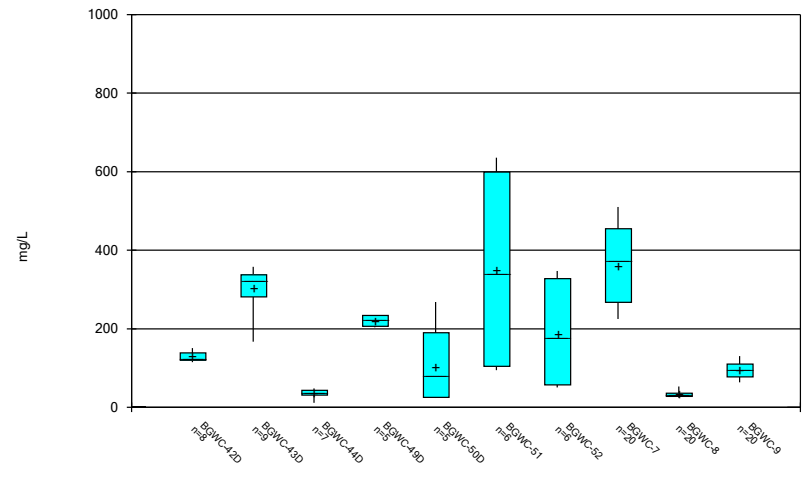
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



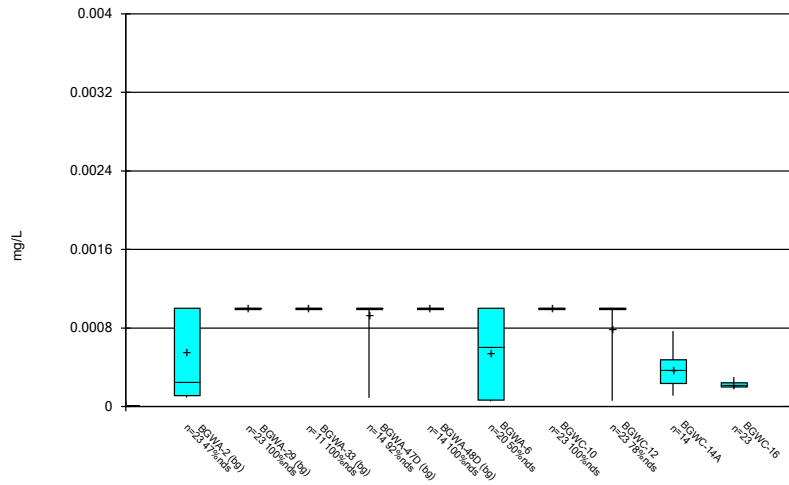
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Box & Whiskers Plot



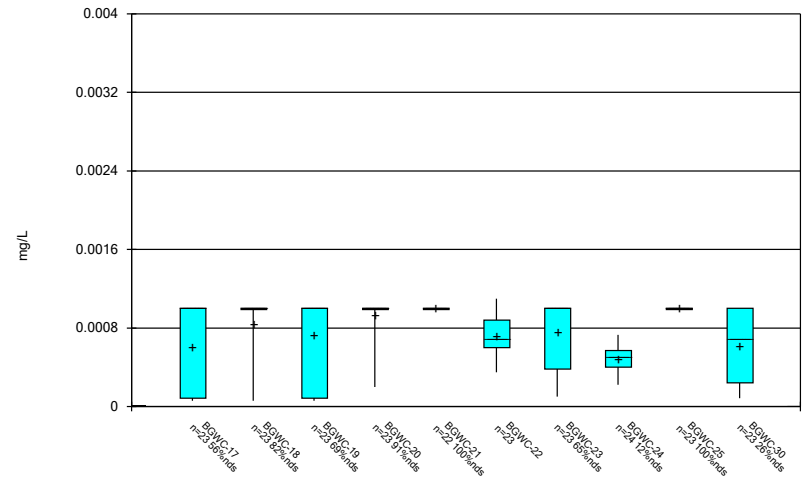
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



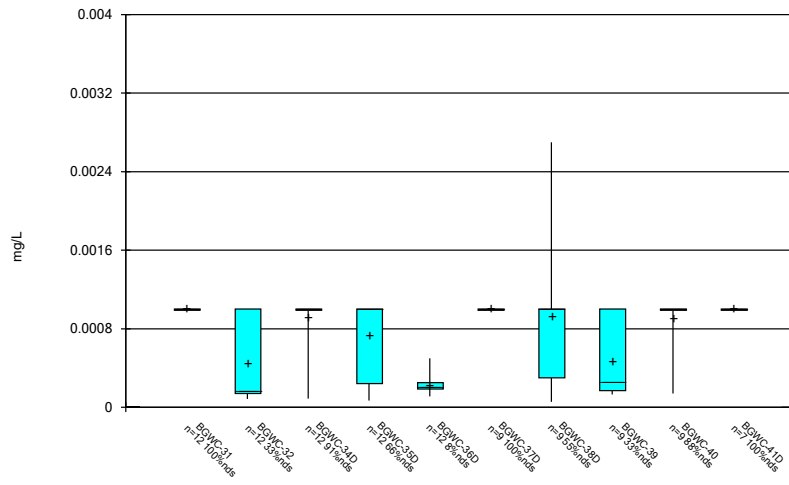
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



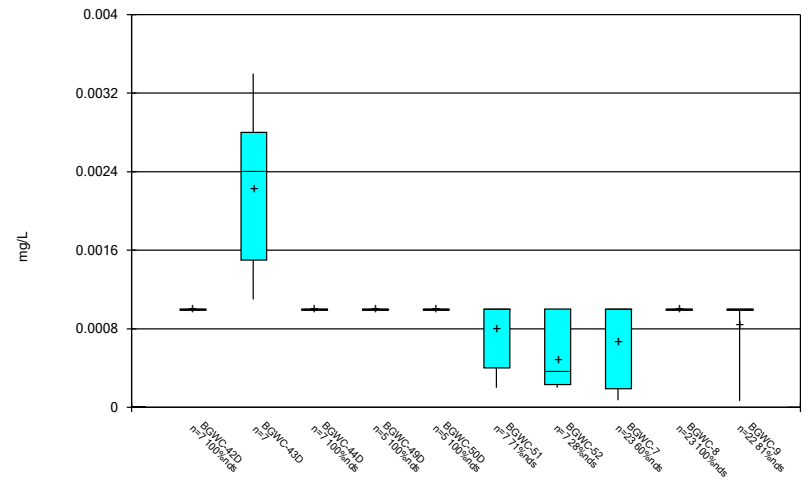
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



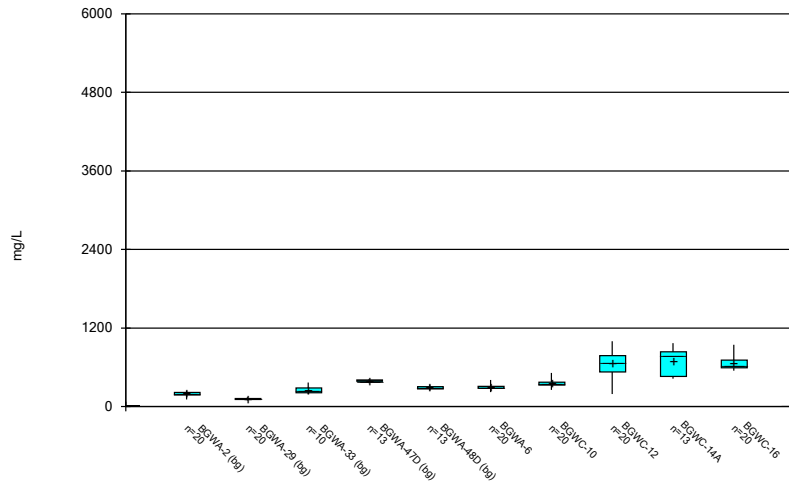
Constituent: Thallium Analysis Run 5/25/2023 11:51 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



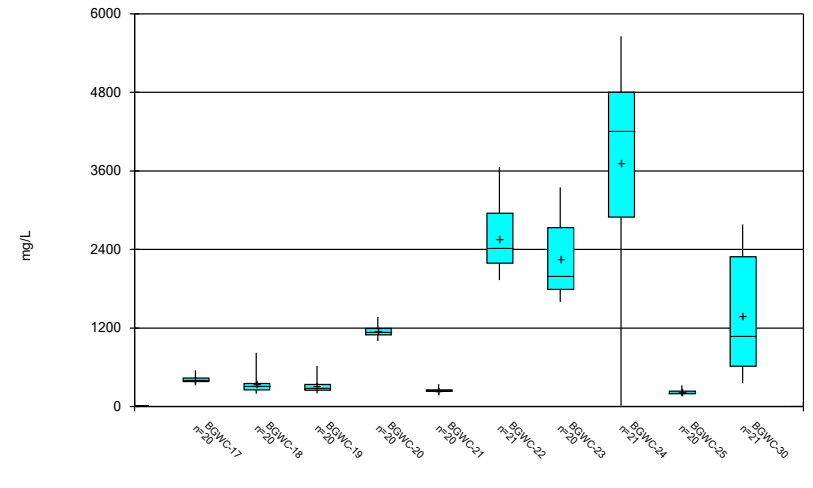
Constituent: Thallium Analysis Run 5/25/2023 11:51 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



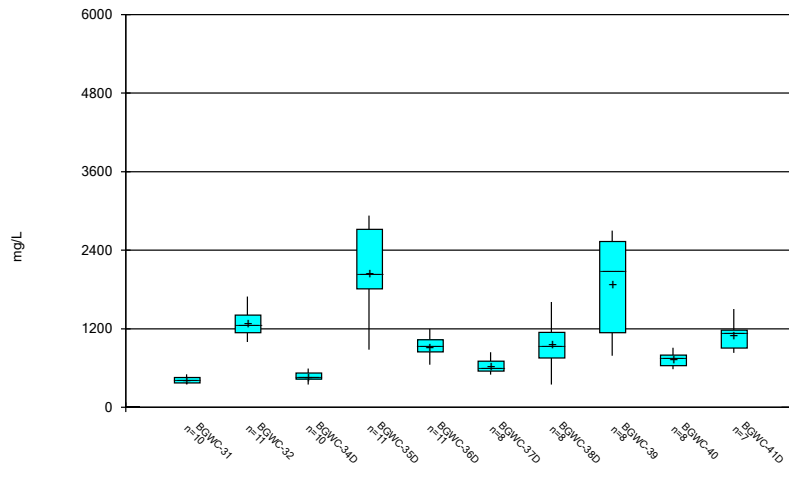
Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:51 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



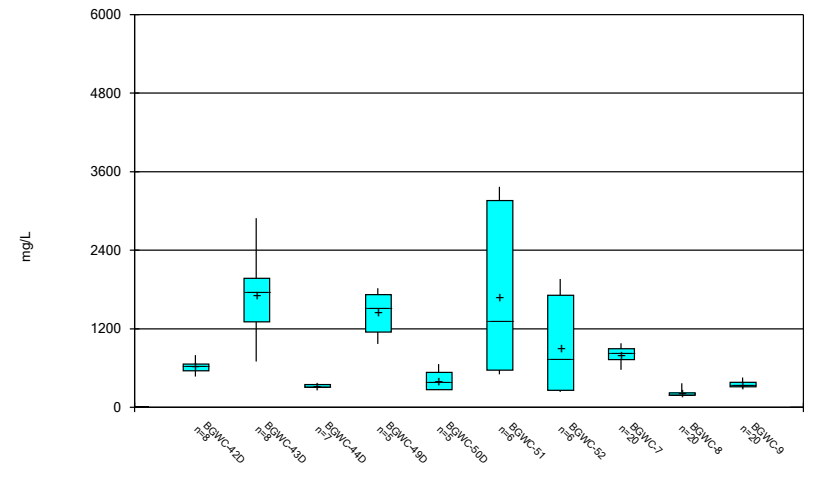
Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:51 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:51 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:51 AM
 Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE C.

FIGURE D.

Appendix III - Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 12:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.043	n/a	1/27/2023	0.53	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.043	n/a	1/26/2023	1.3	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.043	n/a	1/26/2023	0.69	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.043	n/a	1/26/2023	1.6	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.043	n/a	1/26/2023	1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.043	n/a	1/26/2023	0.45	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.043	n/a	1/27/2023	0.18	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.043	n/a	1/30/2023	4.7	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.043	n/a	2/7/2023	16.9	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.043	n/a	2/2/2023	13.1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.043	n/a	2/1/2023	18.4	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.043	n/a	2/1/2023	3.2	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-7	0.043	n/a	1/26/2023	1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-8	0.043	n/a	1/26/2023	0.051	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.043	n/a	1/26/2023	0.41	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	1/26/2023	178	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	1/26/2023	178	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	1/30/2023	309	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	2/7/2023	583	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	2/2/2023	543	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	2/1/2023	552	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	1/26/2023	146	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	8.983	n/a	1/27/2023	28.2	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	8.983	n/a	1/26/2023	14.5	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	8.983	n/a	1/26/2023	10.9	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	8.983	n/a	1/26/2023	18.3	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	8.983	n/a	1/26/2023	34	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	8.983	n/a	1/30/2023	156	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	8.983	n/a	2/7/2023	803	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	8.983	n/a	2/2/2023	737	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	8.983	n/a	2/1/2023	789	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	8.983	n/a	2/1/2023	154	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
pH (s.u.)	BGWC-16	8.34	6.658	1/26/2023	6.56	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-18	8.34	6.658	1/26/2023	6.2	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-19	8.34	6.658	1/27/2023	6.61	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-22	8.34	6.658	2/7/2023	6.44	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-7	8.34	6.658	1/26/2023	6.63	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	1/27/2023	97.3	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	1/26/2023	463	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	1/26/2023	213	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	1/26/2023	490	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	1/26/2023	110	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	1/30/2023	622	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	2/7/2023	707	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	2/2/2023	514	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	2/1/2023	395	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	1/26/2023	253	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-12	474.8	n/a	1/26/2023	995	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-14A	474.8	n/a	1/26/2023	554	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-16	474.8	n/a	1/26/2023	895	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-20	474.8	n/a	1/30/2023	1280	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-22	474.8	n/a	2/7/2023	2490	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-23	474.8	n/a	2/2/2023	2680	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-24	474.8	n/a	2/1/2023	2550	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-30	474.8	n/a	2/1/2023	745	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-7	474.8	n/a	1/26/2023	657	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2

Appendix III - Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 12:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.043	n/a	1/27/2023	0.53	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.043	n/a	1/26/2023	1.3	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.043	n/a	1/26/2023	0.69	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.043	n/a	1/26/2023	1.6	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.043	n/a	1/26/2023	1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.043	n/a	1/26/2023	0.45	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.043	n/a	1/27/2023	0.18	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.043	n/a	1/30/2023	4.7	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-21	0.043	n/a	1/27/2023	0.026J	No	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.043	n/a	2/7/2023	16.9	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.043	n/a	2/2/2023	13.1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.043	n/a	2/1/2023	18.4	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-25	0.043	n/a	1/27/2023	0.029J	No	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.043	n/a	2/1/2023	3.2	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-7	0.043	n/a	1/26/2023	1	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-8	0.043	n/a	1/26/2023	0.051	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.043	n/a	1/26/2023	0.41	Yes	78	n/a	n/a	16.67	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-10	117	n/a	1/27/2023	64	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	1/26/2023	178	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	1/26/2023	117	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	1/26/2023	178	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-17	117	n/a	1/26/2023	76.2	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-18	117	n/a	1/26/2023	41.4	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-19	117	n/a	1/27/2023	39.3	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	1/30/2023	309	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-21	117	n/a	1/27/2023	46.5	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	2/7/2023	583	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	2/2/2023	543	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	2/1/2023	552	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-25	117	n/a	1/27/2023	48.8	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-30	117	n/a	2/1/2023	113	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	1/26/2023	146	Yes	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-8	117	n/a	1/26/2023	42.8	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-9	117	n/a	1/26/2023	62.4	No	78	n/a	n/a	0	n/a	n/a	0.0003105	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	8.983	n/a	1/27/2023	28.2	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	8.983	n/a	1/26/2023	14.5	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	8.983	n/a	1/26/2023	10.9	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	8.983	n/a	1/26/2023	18.3	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	8.983	n/a	1/26/2023	34	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-18	8.983	n/a	1/26/2023	5.9	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-19	8.983	n/a	1/27/2023	3.1	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	8.983	n/a	1/30/2023	156	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-21	8.983	n/a	1/27/2023	6.1	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	8.983	n/a	2/7/2023	803	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	8.983	n/a	2/2/2023	737	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	8.983	n/a	2/1/2023	789	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-25	8.983	n/a	1/27/2023	5.4	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	8.983	n/a	2/1/2023	154	Yes	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-7	8.983	n/a	1/26/2023	7.5	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-8	8.983	n/a	1/26/2023	1.7	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-9	8.983	n/a	1/26/2023	7.5	No	77	1.861	0.531	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Fluoride (mg/L)	BGWC-10	0.57	n/a	1/27/2023	0.058J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-12	0.57	n/a	1/26/2023	0.083J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-14A	0.57	n/a	1/26/2023	0.084J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-16	0.57	n/a	1/26/2023	0.091J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-17	0.57	n/a	1/26/2023	0.13	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-18	0.57	n/a	1/26/2023	0.056J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-19	0.57	n/a	1/27/2023	0.077J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-20	0.57	n/a	1/30/2023	0.064J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-21	0.57	n/a	1/27/2023	0.1ND	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-22	0.57	n/a	2/7/2023	0.26	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-23	0.57	n/a	2/2/2023	0.074J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-24	0.57	n/a	2/1/2023	0.18	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-25	0.57	n/a	1/27/2023	0.053J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-30	0.57	n/a	2/1/2023	0.092J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-7	0.57	n/a	1/26/2023	0.15	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-8	0.57	n/a	1/26/2023	0.063J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-9	0.57	n/a	1/26/2023	0.09J	No	88	n/a	n/a	46.59	n/a	n/a	0.0002459	NP Inter (normality) 1 of 2

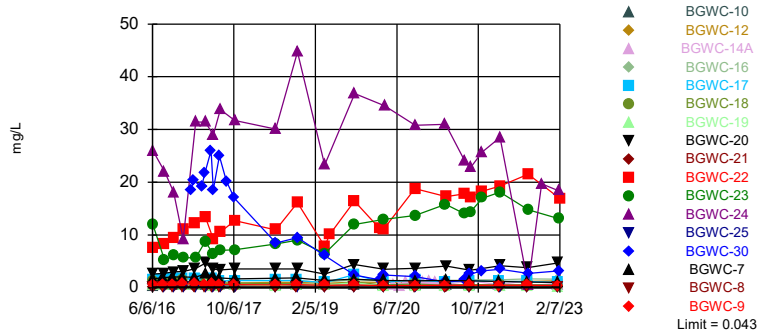
Appendix III - Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 12:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (s.u.)	BGWC-10	8.34	6.658	1/27/2023	7.02	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-12	8.34	6.658	1/26/2023	6.68	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-14A	8.34	6.658	1/26/2023	6.91	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-16	8.34	6.658	1/26/2023	6.56	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-17	8.34	6.658	1/26/2023	7.21	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-18	8.34	6.658	1/26/2023	6.2	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-19	8.34	6.658	1/27/2023	6.61	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-20	8.34	6.658	1/30/2023	7.18	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-21	8.34	6.658	1/27/2023	7.76	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-22	8.34	6.658	2/7/2023	6.44	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-23	8.34	6.658	2/2/2023	6.8	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-24	8.34	6.658	2/1/2023	6.68	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-25	8.34	6.658	1/27/2023	7.14	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-30	8.34	6.658	2/1/2023	7.15	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-7	8.34	6.658	1/26/2023	6.63	Yes	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-8	8.34	6.658	1/26/2023	7.34	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-9	8.34	6.658	1/26/2023	7.04	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	1/27/2023	97.3	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	1/26/2023	463	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	1/26/2023	213	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	1/26/2023	490	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	1/26/2023	110	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-18	78	n/a	1/26/2023	58.3	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-19	78	n/a	1/27/2023	38.2	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	1/30/2023	622	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-21	78	n/a	1/27/2023	55.3	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	2/7/2023	707	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	2/2/2023	514	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	2/1/2023	395	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-25	78	n/a	1/27/2023	24.1	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-30	78	n/a	2/1/2023	75.5	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	1/26/2023	253	Yes	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-8	78	n/a	1/26/2023	24.3	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	1/26/2023	63.6	No	77	n/a	n/a	0	n/a	n/a	0.000319	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-10	474.8	n/a	1/27/2023	380	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-12	474.8	n/a	1/26/2023	995	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-14A	474.8	n/a	1/26/2023	554	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-16	474.8	n/a	1/26/2023	895	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-17	474.8	n/a	1/26/2023	396	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-18	474.8	n/a	1/26/2023	197	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-19	474.8	n/a	1/27/2023	200	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-20	474.8	n/a	1/30/2023	1280	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-21	474.8	n/a	1/27/2023	342	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-22	474.8	n/a	2/7/2023	2490	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-23	474.8	n/a	2/2/2023	2680	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-24	474.8	n/a	2/1/2023	2550	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-25	474.8	n/a	1/27/2023	310	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-30	474.8	n/a	2/1/2023	745	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-7	474.8	n/a	1/26/2023	657	Yes	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-8	474.8	n/a	1/26/2023	190	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-9	474.8	n/a	1/26/2023	301	No	76	14.8	3.264	0	None	sqrt(x)	0.000396	Param Inter 1 of 2

Exceeds Limit: BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20, BGWC-22, BGWC-23...

Prediction Limit Interwell Non-parametric

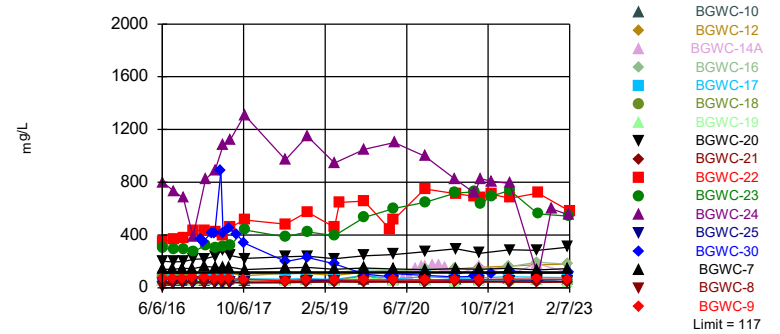


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 78 background values. 16.67% NDs. Annual per-constituent alpha = 0.01173. Individual comparison alpha = 0.0003105 (1 of 2). Comparing 17 points to limit. Assumes 2 future values.

Constituent: Boron Analysis Run 4/6/2023 12:32 PM View: Interwell PL Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-12, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-7

Prediction Limit Interwell Non-parametric

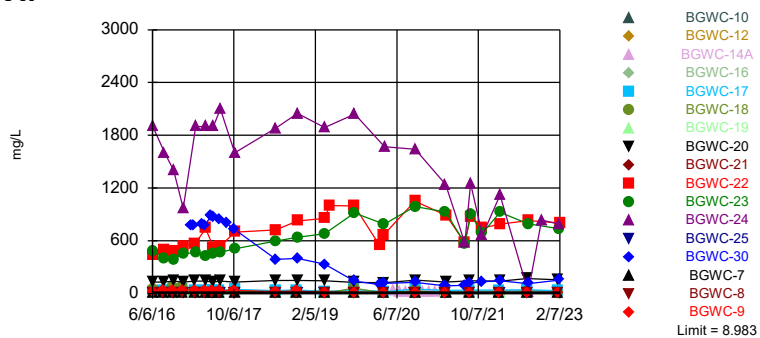


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 78 background values. Annual per-constituent alpha = 0.01173. Individual comparison alpha = 0.0003105 (1 of 2). Comparing 17 points to limit. Assumes 2 future values.

Constituent: Calcium Analysis Run 4/6/2023 12:32 PM View: Interwell PL Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30

Prediction Limit Interwell Parametric

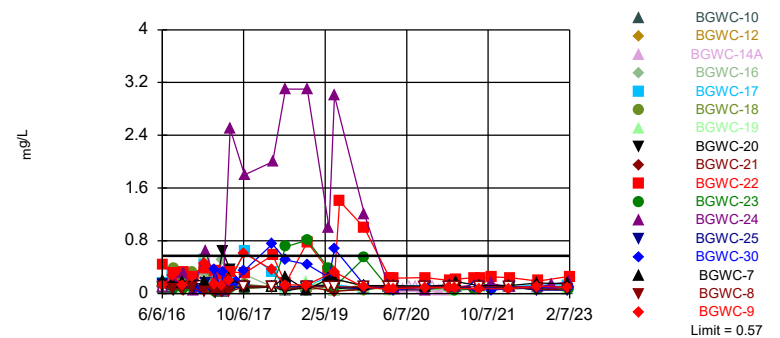


Background Data Summary (based on square root transformation): Mean=1.861, Std. Dev.=0.531, n=77. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9727, critical = 0.957. Kappa = 2.141 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 17 points to limit. Assumes 2 future values.

Constituent: Chloride Analysis Run 4/6/2023 12:32 PM View: Interwell PL Plant Bowen Client: Southern Company Data: Bowen AP-1

Hollow symbols indicate censored values. Within Limit

Prediction Limit Interwell Non-parametric

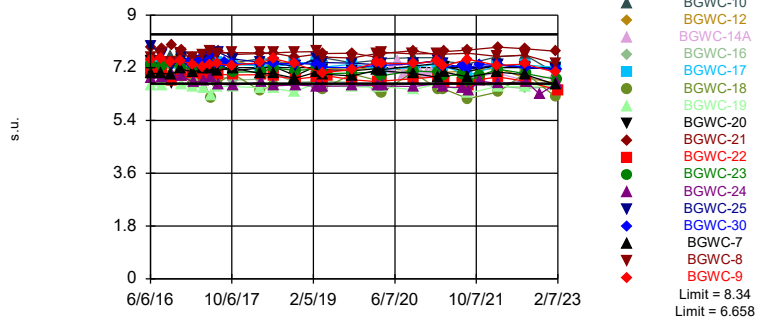


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 88 background values. 46.59% NDs. Annual per-constituent alpha = 0.009303. Individual comparison alpha = 0.0002459 (1 of 2). Comparing 17 points to limit. Assumes 2 future values.

Constituent: Fluoride Analysis Run 4/6/2023 12:32 PM View: Interwell PL Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limits: BGWC-16, BGWC-18, BGWC-19, BGWC-22, BGWC-7

Prediction Limit
Interwell Parametric

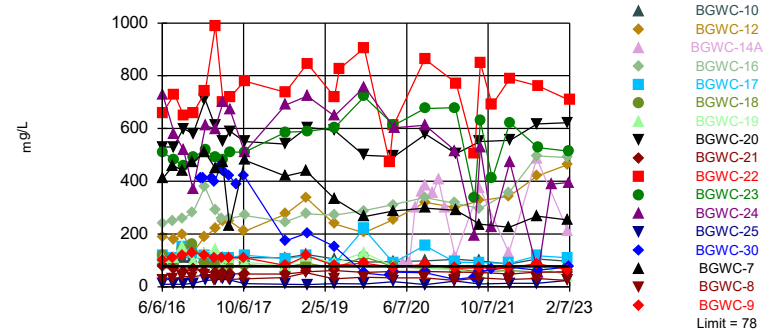


Background Data Summary (based on square transformation): Mean=56.94, Std. Dev.=5.928, n=89. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9631, critical = 0.961. Kappa = 2.127 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000198. Comparing 17 points to limit. Assumes 2 future values.

Constituent: pH Analysis Run 4/6/2023 12:32 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-7

Prediction Limit
Interwell Non-parametric

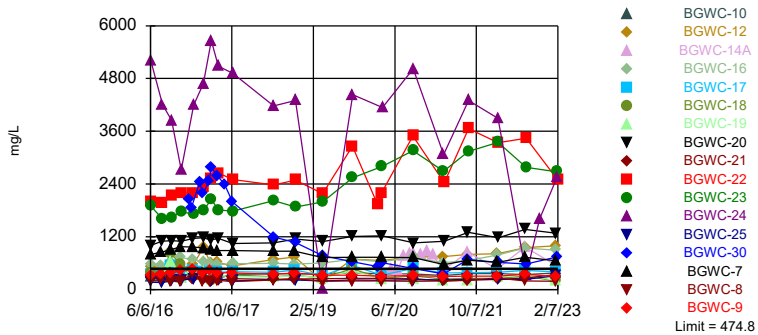


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 77 background values. Annual per-constituent alpha = 0.01205. Individual comparison alpha = 0.000319 (1 of 2). Comparing 17 points to limit. Assumes 2 future values.

Constituent: Sulfate Analysis Run 4/6/2023 12:32 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30, BGWC-7

Prediction Limit
Interwell Parametric



Background Data Summary (based on square root transformation): Mean=14.8, Std. Dev.=3.264, n=76. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9578, critical = 0.957. Kappa = 2.142 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 17 points to limit. Assumes 2 future values.

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 12:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-7	BGWC-25
6/6/2016	<0.04	0.55							
6/7/2016			0.02	1.5	1.7	1.1	0.37		
6/8/2016								1.7	0.029 (J)
6/9/2016									
8/9/2016	0.0336 (J)								
8/10/2016			0.117						
8/11/2016		0.612		1.41	1.37			1.95	
8/12/2016						0.867			
8/15/2016									0.0228 (J)
8/16/2016							0.525		
8/18/2016									
8/22/2016									
10/3/2016	0.0226 (J)								
10/4/2016			0.177						
10/5/2016		0.659							
10/6/2016						0.863		2.06	
10/7/2016				1.76	1.49		0.492		
10/10/2016									0.0305 (J)
11/29/2016	0.0085 (J)								
12/1/2016									
12/2/2016			0.0668						
12/5/2016		0.71				0.879			
12/6/2016				1.79	1.65		0.515	2.05	
12/7/2016									
12/8/2016									0.0164 (J)
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	<0.04								
2/14/2017			0.122						
2/15/2017		0.707				0.886		2.01	
2/16/2017				1.63	1.73		0.482		
2/17/2017									
2/20/2017									0.0154 (J)
3/27/2017									
4/13/2017	0.0084 (J)								
4/14/2017			0.054						
4/17/2017		0.675							
4/18/2017					1.77	0.941	0.515	2.58	
4/19/2017				1.47					
4/20/2017									0.0283 (J)
5/22/2017									
5/25/2017	0.01 (J)								
5/26/2017		0.711	0.0817						
5/30/2017				1.7	1.52				
6/1/2017									0.0467
6/2/2017						1.02	0.513	2.22	
6/5/2017									
7/7/2017	0.009 (J)								
7/10/2017			0.0534						
7/11/2017		0.633							
7/12/2017							0.508		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-21	BGWC-19	BGWC-18	BGWC-20	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	7.6	0.12	0.49	1.2	2.6				
6/9/2016						26	12		
8/9/2016									
8/10/2016									
8/11/2016									
8/12/2016			0.647	0.895	2.74				
8/15/2016									
8/16/2016									
8/18/2016	8.37	0.191				22	5.2		
8/22/2016								0.0132 (J)	
10/3/2016									
10/4/2016								0.0065 (J)	
10/5/2016									
10/6/2016									
10/7/2016			0.868	1.33					
10/10/2016	9.46	0.13			3	18.1	6.13		
11/29/2016									
12/1/2016								<0.04	
12/2/2016									
12/5/2016									
12/6/2016				1.5					
12/7/2016			0.51		3.08	9.19	5.7		
12/8/2016	11.1	0.144							
1/10/2017								<0.04	
1/23/2017									18.6
2/7/2017									20.4
2/13/2017									
2/14/2017								<0.04	
2/15/2017									
2/16/2017			0.68	0.753					
2/17/2017	12.2	0.0685			3.63				
2/20/2017						31.4	5.7		
3/27/2017									19.1
4/13/2017									
4/14/2017								<0.04	
4/17/2017									21.8
4/18/2017									
4/19/2017		0.0743	0.701	0.762	4.68	31.4	8.79		
4/20/2017	13.3								
5/22/2017									26
5/25/2017								<0.04	
5/26/2017									
5/30/2017									
6/1/2017		0.0499	0.383	0.663	3.57				
6/2/2017									
6/5/2017	9.19					29	6.39		18.6
7/7/2017									
7/10/2017								<0.04	
7/11/2017									25
7/12/2017									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-21	BGWC-19	BGWC-18	BGWC-20	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017			0.645	0.787					
7/17/2017						33.8	7.06		
7/18/2017		0.0544			3.37				
7/19/2017	10.6								
8/23/2017									20.2
10/9/2017									
10/10/2017								<0.04	17
10/11/2017			0.594	0.889	3.54	31.7	7.18		
10/12/2017	12.7	0.0494							
6/12/2018								0.0056 (J)	
6/13/2018					3.6	30.1	8.3		
6/14/2018	11	0.035 (J)		0.75					
6/15/2018			0.44						8.5
10/16/2018								0.0071 (J)	
10/17/2018									
10/18/2018				0.8					
10/19/2018		0.028 (J)	0.65						
10/22/2018	16.1				3.6	44.7	9		9.5
4/1/2019								0.0048 (J)	
4/2/2019				0.56 (J)					6.1 (J)
4/3/2019	7.9	0.12	0.51		2.6	23.3	6.5		
4/4/2019									
5/2/2019	10.1								
7/9/2019									
9/23/2019								0.0052 (J)	
9/24/2019									
9/25/2019									
9/26/2019			0.96	1.1	4.4				
9/27/2019	16.4						12		2.4
9/30/2019		0.04 (J)				36.8			
2/19/2020								0.0057 (J)	
2/21/2020									
2/25/2020	11.2								
2/26/2020									1.5
3/18/2020								0.0054 (J)	
3/19/2020									
3/20/2020	11.1	0.03 (J)	0.29	0.53					
3/23/2020					3.5		13		2.4
3/24/2020									
3/25/2020						34.5			
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								<0.04	
9/24/2020	18.8	0.037 (J)		0.72			13.7		
9/25/2020						30.8			2.1
9/28/2020			0.4		3.7				
10/1/2020									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-21	BGWC-19	BGWC-18	BGWC-20	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
11/10/2020									
12/15/2020									
1/20/2021									
3/23/2021								<-0.04	
3/24/2021				0.5					
3/25/2021									1.1
3/26/2021			0.24			31	15.8		
3/29/2021	17.3	0.038 (J)			4.1				
3/30/2021									
4/1/2021									
7/19/2021	17.8					24	14		
7/20/2021									1.4
8/16/2021								<-0.04	
8/18/2021									
8/19/2021				0.57					2.6
8/20/2021		0.045	0.29		3.3				
8/23/2021	17.2					22.8	14.4		
8/25/2021									
11/1/2021	18.3					25.8	17		3.2
2/9/2022									
2/10/2022								0.012 (J)	
2/11/2022									
2/14/2022							18.1		3.5
2/15/2022	19.3					28.5			
2/16/2022		0.053	0.35	0.56	4.2				
7/26/2022								0.013 (J)	
7/27/2022			0.43	0.53	3.8				
7/28/2022		0.035 (J)							
8/1/2022							14.8		2.7
8/2/2022	21.5					0.52			
8/3/2022									
10/21/2022						19.7 (R)			
1/24/2023								<-0.04	
1/26/2023				0.45					
1/27/2023		0.026 (J)	0.18						
1/30/2023					4.7				
2/1/2023						18.4			3.2
2/2/2023							13.1		
2/7/2023	16.9								

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
4/1/2019				
4/2/2019				
4/3/2019	0.66 (o)			
4/4/2019				
5/2/2019				
7/9/2019	0.027 (J)			
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	0.033 (J)			
9/30/2019				
2/19/2020				
2/21/2020	0.02 (J)			
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	0.043 (J)			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		0.024 (J)	0.54	
5/25/2020				0.018 (J)
6/23/2020		0.019 (J)	0.45	0.015 (J)
7/28/2020		0.03 (J)	0.97	0.024 (J)
9/2/2020		0.022 (J)	1.1	
9/3/2020				0.022 (J)
9/23/2020				
9/24/2020				
9/25/2020	0.02 (J)			
9/28/2020				
10/1/2020		0.025 (J)	1.2	0.027 (J)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
11/10/2020		0.025 (J)	1.1	0.032 (J)
12/15/2020		0.031 (J)	1.2	0.034 (J)
1/20/2021		0.022 (J)	1.1	0.034 (J)
3/23/2021				
3/24/2021			0.6	
3/25/2021		0.017 (J)		0.026 (J)
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	0.0069 (J)			
7/19/2021				
7/20/2021				
8/16/2021		0.021 (J)		0.034 (J)
8/18/2021			1.3	
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	0.0093 (J)			
11/1/2021				
2/9/2022		0.017 (J)	0.57	0.038 (J)
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	0.01 (J)			
7/26/2022		0.022 (J)	1.3	0.017 (J)
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	0.015 (J)			
10/21/2022				
1/24/2023		0.016 (J)		0.014 (J)
1/26/2023			0.69	
1/27/2023				
1/30/2023				
2/1/2023				
2/2/2023	0.0092 (J)			
2/7/2023				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-7	BGWC-25
6/6/2016	39	66							
6/7/2016			7.9	65	120	90	50		
6/8/2016								140	32
6/9/2016									
8/9/2016	32.2								
8/10/2016			36.8						
8/11/2016		65.2		61	111			141	
8/12/2016						76.6			
8/15/2016									33.1
8/16/2016							49.2		
8/18/2016									
8/22/2016									
10/3/2016	34.1								
10/4/2016			39.7						
10/5/2016		66.7							
10/6/2016						78.7		147	
10/7/2016				71	103		52.6		
10/10/2016									41
11/29/2016	29.7								
12/1/2016									
12/2/2016			37.8						
12/5/2016		74.6				80.9			
12/6/2016				68.7	117		55.4	146	
12/7/2016									
12/8/2016									38.5
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	31.2								
2/14/2017			35.2						
2/15/2017		74.6				90.7		163	
2/16/2017				65.5	124		53.2		
2/17/2017									
2/20/2017									40.7
3/27/2017									
4/13/2017	30.5								
4/14/2017			37.5						
4/17/2017		65.6							
4/18/2017					120	94.8	58	155	
4/19/2017				68.9					
4/20/2017									40.7
5/22/2017									
5/25/2017	33.8								
5/26/2017		70.4	41.7						
5/30/2017				72.6	111				
6/1/2017									44.2
6/2/2017						108	55.8	156	
6/5/2017									
7/7/2017	33.1								
7/10/2017			39						
7/11/2017		66.9							
7/12/2017							58.1		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
4/1/2019				
4/2/2019				
4/3/2019	44.9			
4/4/2019				
5/2/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	41.2			
9/30/2019				
2/19/2020				
2/21/2020	50.1			
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	52.2			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		74	73.4	
5/25/2020				36.5
6/23/2020		99.5	80.1	39.4
7/28/2020		96.2	140	40.3
9/2/2020		109	159	
9/3/2020				51.8
9/23/2020				
9/24/2020				
9/25/2020	51.8			
9/28/2020				
10/1/2020		107	162	61.9
11/10/2020		117	170	80.3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
12/15/2020		110	169	70.3
1/20/2021		111	157	67.5
3/23/2021				
3/24/2021			91.9	
3/25/2021		109		68.3
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	49.5			
7/19/2021				
7/20/2021				
8/16/2021		108		61
8/18/2021			166	
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	46.3			
11/1/2021				
2/9/2022		112	97.5	46.3
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	47.5			
7/26/2022		105	185	34.5
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	69.4			
10/21/2022				
1/24/2023		109		40.7
1/26/2023			117	
1/27/2023				
1/30/2023				
2/1/2023				
2/2/2023	81.4			
2/7/2023				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-7	BGWC-25
6/6/2016	2.9	27							
6/7/2016			2	26	37	44	19		
6/8/2016								11	6.4
6/9/2016									
8/9/2016	2.5								
8/10/2016			2.1						
8/11/2016		30		34	41			11	
8/12/2016						43			
8/15/2016									4.3
8/16/2016							20		
8/18/2016									
8/22/2016									
10/3/2016	2.5								
10/4/2016			2.3						
10/5/2016		36							
10/6/2016						41		11	
10/7/2016				38	44		21		
10/10/2016									3.5
11/29/2016	2.6								
12/1/2016									
12/2/2016			2.1						
12/5/2016		40				41			
12/6/2016				45	48		22	11	
12/7/2016									
12/8/2016									2.8
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	2.1								
2/14/2017			2						
2/15/2017		38				39		12	
2/16/2017				40	46		22		
2/17/2017									
2/20/2017									4.2
3/27/2017									
4/13/2017	2.1								
4/14/2017			1.7						
4/17/2017		35							
4/18/2017					41	39	21	12	
4/19/2017				38					
4/20/2017									4.1
5/22/2017									
5/25/2017	2.4								
5/26/2017		35	1.6						
5/30/2017				41	38				
6/1/2017									4.4
6/2/2017						37	20	11	
6/5/2017									
7/7/2017	1.9								
7/10/2017			1.5						
7/11/2017		33							
7/12/2017							23		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
4/1/2019				
4/2/2019				
4/3/2019	5.2			
4/4/2019				
5/2/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	394 (o)			
9/30/2019				
2/19/2020				
2/21/2020	2.6			
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	4			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		6.6	32	
5/25/2020				4
6/23/2020		5.9	15.7	5.5
7/28/2020		5.9	20.6	4.6
9/2/2020		6	18.9	
9/3/2020				6.3
9/23/2020				
9/24/2020				
9/25/2020	3.3			
9/28/2020				
10/1/2020		6	18.6	7.5
11/10/2020		5.5	19.6	7.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
12/15/2020		6.3	20.7	8
1/20/2021		5.7	21.9	7.2
3/23/2021				
3/24/2021			14.1	
3/25/2021		5.7		7.5
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	2.9			
7/19/2021				
7/20/2021				
8/16/2021		5.7		8
8/18/2021			17.1	
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	3.3			
11/1/2021				
2/9/2022		5.4	10.8	8.9
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	2.8			
7/26/2022		5.5	19.6	4.6
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	3.4			
10/21/2022				
1/24/2023		5.2		4.3
1/26/2023			10.9	
1/27/2023				
1/30/2023				
2/1/2023				
2/2/2023	3.4			
2/7/2023				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-7	BGWC-25
6/6/2016	0.11 (J)	0.12 (J)							
6/7/2016			<0.1	0.15 (J)	<0.1	<0.1	0.09 (J)		
6/8/2016								0.19 (J)	0.14 (J)
6/9/2016									
8/9/2016	0.09 (J)								
8/10/2016			0.07 (J)						
8/11/2016		0.27 (J)		0.3 (J)	0.12 (J)			0.15 (J)	
8/12/2016						0.08 (J)			
8/15/2016									0.08 (J)
8/16/2016							0.09 (J)		
8/18/2016									
8/22/2016									
10/3/2016	0.11 (J)								
10/4/2016			0.07 (J)						
10/5/2016		0.12 (J)							
10/6/2016						0.06 (J)		0.17 (J)	
10/7/2016				0.14 (J)	0.08 (J)		0.17 (J)		
10/10/2016									0.1 (J)
11/29/2016	0.11 (J)								
12/1/2016									
12/2/2016			0.09 (J)						
12/5/2016		0.26 (J)				0.12 (J)			
12/6/2016				0.19 (J)	0.24 (J)		0.16 (J)	0.22 (J)	
12/7/2016									
12/8/2016									0.06 (J)
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	0.12 (J)								
2/14/2017			0.02 (J)						
2/15/2017		0.46				0.33		0.18 (J)	
2/16/2017				0.51	0.31		0.38		
2/17/2017									
2/20/2017									0.16 (J)
3/27/2017									
4/13/2017	0.1 (J)								
4/14/2017			0.02 (J)						
4/17/2017		0.14 (J)							
4/18/2017					0.02 (J)	0.006 (J)	0.12 (J)	0.11 (J)	
4/19/2017				0.18 (J)					
4/20/2017									0.02 (J)
5/22/2017									
5/25/2017	0.08 (J)								
5/26/2017		0.13 (J)	0.02 (J)						
5/30/2017				0.15 (J)	0.51				
6/1/2017									0.04 (J)
6/2/2017						0.04 (J)	0.03 (J)	0.07 (J)	
6/5/2017									
7/7/2017	0.13 (J)								
7/10/2017			0.03 (J)						
7/11/2017		0.2 (J)							
7/12/2017							0.15 (J)		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-7	BGWC-25
7/13/2017						0.17 (J)			
7/14/2017				0.16 (J)	0.14 (J)			0.23 (J)	
7/17/2017									0.07 (J)
7/18/2017									
7/19/2017									
8/23/2017									
10/9/2017	0.11 (J)								
10/10/2017		0.61	<0.1			0.08 (J)			
10/11/2017				0.64	0.29 (J)		0.07 (J)	0.1 (J)	0.11 (J)
10/12/2017									
3/26/2018	<0.1		<0.1						
3/27/2018		0.36		0.33	<0.1		<0.1	<0.1	
3/28/2018						<0.1			<0.1
3/29/2018									
6/12/2018	0.086 (J)	0.13 (J)	0.061 (J)		0.061 (J)				
6/13/2018								0.25 (J)	
6/14/2018				0.11 (J)		<0.1	0.046 (J)		<0.1
6/15/2018									
10/16/2018	0.06 (J)		<0.1						
10/17/2018		0.13 (J)		<0.1		<0.1			
10/18/2018					<0.1		<0.1	0.047 (J)	
10/19/2018									
10/22/2018									<0.1
2/25/2019	<0.1		<0.1		0.13 (J)				
2/27/2019				0.26 (J)					
2/28/2019						0.18 (J)	0.14 (J)	0.23 (J)	
3/1/2019									0.12 (J)
4/1/2019	0.047 (J)	0.33	<0.1			0.065 (J)			
4/2/2019				0.14 (J)	0.23 (J)		0.044 (J)	0.22 (J)	
4/3/2019									
4/4/2019									<0.1
5/2/2019	<0.1								
9/23/2019	0.076 (J)								
9/24/2019		0.096 (J)	<0.1					0.12 (J)	
9/25/2019						0.13 (J)	0.075 (J)		
9/26/2019				0.071 (J)	<0.1				
9/27/2019									
9/30/2019									0.065 (J)
2/18/2020	<0.1								
2/19/2020			<0.1						
2/20/2020		0.063 (J)			<0.1		<0.1		
2/21/2020								0.12 (J)	
2/24/2020				0.11 (J)		0.051 (J)			
2/25/2020									
2/26/2020									<0.1
3/18/2020	<0.1		<0.1						
3/19/2020		0.074 (J)		0.12 (J)	0.052 (J)	<0.1		0.12 (J)	
3/20/2020									
3/23/2020							<0.1		
3/24/2020									<0.1
3/25/2020									
5/22/2020									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-7	BGWC-25
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	<0.1		<0.1						
9/24/2020		0.091 (J)		0.12	0.059 (J)		<0.1		
9/25/2020						<0.1		0.11	
9/28/2020									<0.1
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
2/16/2021	<0.1		<0.1						
2/17/2021		0.086 (J)							
2/18/2021				0.1	0.064 (J)		<0.1	0.13	
2/19/2021						<0.1			
2/23/2021									<0.1
3/8/2021									
3/23/2021									
3/24/2021		0.075 (J)	<0.1	0.11	0.053 (J)	<0.1			
3/25/2021									
3/26/2021	<0.1								<0.1
3/29/2021									
3/30/2021							<0.1	0.18	
4/1/2021									
7/19/2021									
7/20/2021									
8/16/2021	<0.1								
8/18/2021		0.073 (J)	<0.1		<0.1	<0.1	<0.1		
8/19/2021				0.097 (J)				0.12	<0.1
8/20/2021									
8/23/2021									
8/25/2021									
11/1/2021									
2/9/2022	<0.1								
2/10/2022		0.071 (J)	<0.1						
2/11/2022				0.1	0.056 (J)	<0.1	<0.1	0.12	
2/14/2022									
2/15/2022									
2/16/2022									<0.1
7/26/2022	0.066 (J)	0.11	0.067 (J)						
7/27/2022				0.13	0.091 (J)	0.081 (J)			0.051 (J)
7/28/2022							0.064 (J)	0.16	
8/1/2022									
8/2/2022									
8/3/2022									
10/21/2022									
1/24/2023	0.055 (J)								
1/26/2023		0.09 (J)	0.063 (J)	0.13	0.091 (J)	0.083 (J)		0.15	
1/27/2023							0.058 (J)		0.053 (J)
1/30/2023									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-21	BGWC-19	BGWC-18	BGWC-20	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	0.43	<0.1	<0.1	0.1 (J)	0.09 (J)				
6/9/2016						<0.1	0.12 (J)		
8/9/2016									
8/10/2016									
8/11/2016									
8/12/2016			0.2 (J)	0.39	0.04 (J)				
8/15/2016									
8/16/2016									
8/18/2016	0.3 (J)	0.09 (J)				0.24 (J)	0.08 (J)		
8/22/2016								0.04 (J)	
10/3/2016									
10/4/2016								0.06 (J)	
10/5/2016									
10/6/2016									
10/7/2016			0.07 (J)	0.16 (J)					
10/10/2016	0.32	0.04 (J)			0.06 (J)	0.3	0.09 (J)		
11/29/2016									
12/1/2016								0.08 (J)	
12/2/2016									
12/5/2016									
12/6/2016				0.32					
12/7/2016			0.09 (J)		0.07 (J)	0.05 (J)	0.08 (J)		
12/8/2016	0.26 (J)	0.08 (J)							
1/10/2017								0.03 (J)	
1/23/2017									0.06 (J)
2/7/2017									0.09 (J)
2/13/2017									
2/14/2017								<0.1	
2/15/2017									
2/16/2017			0.6	0.38					
2/17/2017	0.39	0.08 (J)			0.06 (J)				
2/20/2017						0.65	0.09 (J)		
3/27/2017									0.09 (J)
4/13/2017									
4/14/2017								0.01 (J)	
4/17/2017									0.36
4/18/2017									
4/19/2017		0.04 (J)	0.09 (J)	0.08 (J)	0.005 (J)	0.21 (J)	0.03 (J)		
4/20/2017	0.34								
5/22/2017									0.05 (J)
5/25/2017								0.005 (J)	
5/26/2017									
5/30/2017									
6/1/2017		0.03 (J)	0.05 (J)	0.09 (J)	0.65				
6/2/2017									
6/5/2017	0.29 (J)					0.05 (J)	<0.1		0.32
7/7/2017									
7/10/2017								0.06 (J)	
7/11/2017									0.13 (J)
7/12/2017									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-21	BGWC-19	BGWC-18	BGWC-20	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017			0.08 (J)	0.06 (J)					
7/17/2017						2.5	0.09 (J)		
7/18/2017		0.08 (J)			0.36				
7/19/2017	0.33								
8/23/2017									0.17 (J)
10/9/2017									
10/10/2017								<0.1	0.35
10/11/2017			0.11 (J)	0.14 (J)	<0.1	1.8	0.09 (J)		
10/12/2017	0.31	0.12 (J)							
3/26/2018								<0.1	0.75
3/27/2018			<0.1	<0.1					
3/28/2018		<0.1			<0.1				
3/29/2018	0.58					2	<0.1		
6/12/2018								0.053 (J)	
6/13/2018					0.038 (J)	3.1	0.71		
6/14/2018	0.15 (J)	<0.1		0.095 (J)					
6/15/2018			0.07 (J)						0.51
10/16/2018								<0.1	
10/17/2018									
10/18/2018				0.054 (J)					
10/19/2018		<0.1	0.17 (J)						
10/22/2018	0.78				<0.1	3.1	0.81		0.44
2/25/2019									
2/27/2019				<0.1	0.13 (J)			<0.1	
2/28/2019									
3/1/2019	0.34		0.14 (J)			1	0.38		0.24 (J)
4/1/2019								<0.1	
4/2/2019				0.044 (J)					0.68
4/3/2019	0.23 (J)	0.032 (J)	0.051 (J)		0.072 (J)	3	0.1 (J)		
4/4/2019									
5/2/2019	1.4								
9/23/2019								<0.1	
9/24/2019									
9/25/2019									
9/26/2019			<0.1	0.052 (J)	<0.1				
9/27/2019	1						0.54		0.13 (J)
9/30/2019		0.066 (J)				1.2			
2/18/2020									
2/19/2020								<0.1	
2/20/2020									
2/21/2020									
2/24/2020			0.05 (J)	<0.1	<0.1				
2/25/2020	0.24 (J)						0.066 (J)		
2/26/2020		<0.1				0.064 (J)			0.057 (J)
3/18/2020								<0.1	
3/19/2020									
3/20/2020	0.23 (J)	<0.1	<0.1	<0.1					
3/23/2020					<0.1		0.056 (J)		0.054 (J)
3/24/2020									
3/25/2020						0.056 (J)			
5/22/2020									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-21	BGWC-19	BGWC-18	BGWC-20	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								<0.1	
9/24/2020	0.24	<0.1		0.058 (J)			0.062 (J)		
9/25/2020						0.054 (J)			<0.1
9/28/2020			<0.1		<0.1				
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
2/16/2021								<0.1	
2/17/2021									
2/18/2021			<0.1	<0.1	<0.1				
2/19/2021	0.2	<0.1				0.14	<0.1		
2/23/2021									
3/8/2021									<0.1
3/23/2021								<0.1	
3/24/2021				<0.1					
3/25/2021									<0.1
3/26/2021			0.053 (J)			0.095 (J)	0.054 (J)		
3/29/2021	0.22	<0.1			<0.1				
3/30/2021									
4/1/2021									
7/19/2021	0.24					0.13	0.065 (J)		
7/20/2021									<0.1
8/16/2021								<0.1	
8/18/2021									
8/19/2021				<0.1					<0.1
8/20/2021		<0.1	<0.1		<0.1				
8/23/2021	0.23					0.12	<0.1		
8/25/2021									
11/1/2021	0.25					0.15	0.068 (J)		0.055 (J)
2/9/2022									
2/10/2022								<0.1	
2/11/2022									
2/14/2022							<0.1		0.075 (J)
2/15/2022	0.24					<0.1			
2/16/2022		<0.1	<0.1	<0.1	<0.1				
7/26/2022								0.058 (J)	
7/27/2022			0.071 (J)	0.081 (J)	0.062 (J)				
7/28/2022		<0.1							
8/1/2022							0.07 (J)		0.09 (J)
8/2/2022	0.19					0.097 (J)			
8/3/2022									
10/21/2022						0.14 (R)			
1/24/2023								0.052 (J)	
1/26/2023				0.056 (J)					
1/27/2023		<0.1	0.077 (J)						
1/30/2023					0.064 (J)				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
3/26/2018				
3/27/2018				
3/28/2018				
3/29/2018				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
2/25/2019				
2/27/2019				
2/28/2019				
3/1/2019				
4/1/2019				
4/2/2019				
4/3/2019	0.085 (J)			
4/4/2019				
5/2/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	0.33			
9/30/2019				
2/18/2020				
2/19/2020				
2/20/2020				
2/21/2020	0.059 (J)			
2/24/2020				
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	0.061 (J)			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		0.054 (J)	0.065 (J)	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
5/25/2020				0.19 (J)
6/23/2020		<0.1	<0.1	0.19
7/28/2020		<0.1	<0.1	0.57
9/2/2020		<0.1	0.061 (J)	
9/3/2020				0.11
9/23/2020				
9/24/2020				
9/25/2020	0.068 (J)			
9/28/2020				
10/1/2020		<0.1	<0.1	0.063 (J)
11/10/2020		<0.1	<0.1	<0.1
12/15/2020		<0.1	0.052	<0.1
1/20/2021		<0.1	<0.1	<0.1
2/16/2021				
2/17/2021		<0.1		<0.1
2/18/2021			0.055 (J)	
2/19/2021	0.062 (J)			
2/23/2021				
3/8/2021				
3/23/2021				
3/24/2021			<0.1	
3/25/2021		<0.1		<0.1
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	0.06 (J)			
7/19/2021				
7/20/2021				
8/16/2021		<0.1		<0.1
8/18/2021			<0.1	
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	0.088 (J)			
11/1/2021				
2/9/2022		<0.1	<0.1	0.065 (J)
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	0.061 (J)			
7/26/2022		0.064 (J)	0.082 (J)	0.086 (J)
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	0.079 (J)			
10/21/2022				
1/24/2023		0.05 (J)		0.076 (J)
1/26/2023			0.084 (J)	
1/27/2023				
1/30/2023				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
2/1/2023				
2/2/2023	0.077 (J)			
2/7/2023				

Prediction Limit

Constituent: pH (s.u.) Analysis Run 4/6/2023 12:37 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-7	BGWC-25
6/6/2016	7.69	7.46							
6/7/2016			7.55	7.41	6.99	7.56	7.49		
6/8/2016								7	7.95
6/9/2016									
8/9/2016	7.72								
8/10/2016			7.66					7.02	
8/11/2016		7.51		7.39	6.93				
8/12/2016						7.47			
8/15/2016							7.51		7.66
8/18/2016									
8/22/2016									
10/3/2016	7.74								
10/4/2016									
10/5/2016		7.37	7.37					6.96	
10/6/2016						7.26	7.58		
10/7/2016				7.33	6.79				
10/10/2016									7.26
11/29/2016	7.74								
12/1/2016									
12/2/2016			7.67						
12/5/2016		7.42				7.58		7.16	
12/6/2016				7.4	6.95		7.44		
12/7/2016									
12/8/2016									7.55
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	7.63								
2/14/2017			7.54						
2/15/2017		7.32				7.32		7.05	
2/16/2017				7.21	6.8		7.21		
2/17/2017									
2/20/2017									7.45
3/27/2017									
4/13/2017	7.57								
4/14/2017			7.63						
4/17/2017		7.23						7.17	
4/18/2017					6.9	7.31	7.39		
4/19/2017				7.06					
4/20/2017									7.58
5/22/2017									
5/25/2017	7.84								
5/26/2017		7.29	7.76						
5/30/2017				7.51	6.99				
6/1/2017								7.17	7.65
6/2/2017						7.36	7.38		
6/5/2017									
7/7/2017	7.82								
7/10/2017			7.7						
7/11/2017		7.34							
7/12/2017							7.37		
7/13/2017						7.24		7.11	

Prediction Limit

Constituent: pH (s.u.) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-21	BGWC-19	BGWC-18	BGWC-20	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								8.08	
9/24/2020	6.82	7.78		7.05			7.09		
9/25/2020						6.56			7.34
9/28/2020			6.45		7.26				
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
2/16/2021								8	
2/17/2021									
2/18/2021			6.66	6.48	7.35				
2/19/2021	6.9	7.64				6.66	7.05		
2/23/2021									
3/8/2021									7.44
3/23/2021								8	
3/24/2021				6.48					
3/25/2021									7.21
3/26/2021			6.61			6.54	6.91		
3/29/2021	6.71	7.75			7.24				
3/30/2021									
4/1/2021									
7/19/2021	6.67					6.53	6.98		
7/20/2021									7.28
8/16/2021								7.6	
8/18/2021									
8/19/2021				6.15					7.2
8/20/2021		7.8	6.33		7.07				
8/23/2021	6.59					6.44	6.73		
8/25/2021									
11/1/2021	6.8					6.75	6.94		7.3
2/9/2022									
2/10/2022								8.09	
2/11/2022									
2/14/2022							7.15		7.29
2/15/2022	6.89					6.66			
2/16/2022		7.9	6.57	6.37	7.31				
7/26/2022								7.92	
7/27/2022			6.55	7.02	7.18				
7/28/2022		7.85							
8/1/2022							7		7.21
8/2/2022	6.73					6.73			
8/3/2022									
10/21/2022						6.3			
1/24/2023								7.77	
1/26/2023				6.2					
1/27/2023		7.76	6.61						
1/30/2023					7.18				
2/1/2023						6.68			7.15

Prediction Limit

Constituent: pH (s.u.) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWC-14A BGWA-47D (bg) BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017
7/13/2017

Prediction Limit

Constituent: pH (s.u.) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
3/26/2018				
3/27/2018				
3/28/2018				
3/29/2018				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
2/25/2019				
2/27/2019				
2/28/2019				
3/1/2019				
4/1/2019				
4/2/2019	7.67			
4/3/2019				
4/4/2019				
5/2/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	7.75			
9/30/2019				
2/18/2020				
2/19/2020				
2/20/2020				
2/21/2020	7.54			
2/24/2020				
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	7.53			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		7.2	7.15	
5/25/2020				7.45

Prediction Limit

Constituent: pH (s.u.) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
6/23/2020		7.41 (D)	7 (D)	7.46 (D)
7/28/2020		6.98	6.98	7.79
9/2/2020		6.97	6.95	
9/3/2020				7.35
9/23/2020				
9/24/2020				
9/25/2020	7.62			
9/28/2020	7.02			
10/1/2020		7.08	6.94	7.41
11/10/2020		7	6.89	7.17
12/15/2020		7.02	7.04	7.37
1/20/2021		7.12	6.83	7.31
2/16/2021				
2/17/2021			6.89	7.21
2/18/2021		7.14		
2/19/2021	7.73			
2/23/2021				
3/8/2021				
3/23/2021				
3/24/2021		7.04		
3/25/2021			6.94	7.22
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	7.75			
7/19/2021				
7/20/2021				
8/16/2021			6.8	7.13
8/18/2021		6.86		
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	7.52			
11/1/2021				
2/9/2022		7.01	6.86	7.16
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	7.2			
7/26/2022		6.78	6.75	7.37
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	6.89			
10/21/2022				
1/24/2023			6.72	7.32
1/26/2023		6.91		
1/27/2023				
1/30/2023				
2/1/2023				

Prediction Limit

Constituent: pH (s.u.) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
2/2/2023	6.7			
2/7/2023				

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-8	BGWC-17	BGWC-16	BGWC-12	BGWC-10	BGWC-7	BGWC-25
6/6/2016	8	100							
6/7/2016			26	120	240	190	99		
6/8/2016								410	10
6/9/2016									
8/9/2016	6.5								
8/10/2016			29						
8/11/2016		110		110	250			460	
8/12/2016						180			
8/15/2016									10
8/16/2016							110		
8/18/2016									
8/22/2016									
10/3/2016	5.7								
10/4/2016			40						
10/5/2016		120							
10/6/2016						200		440	
10/7/2016				150	260		110		
10/10/2016									10
11/29/2016	5.2								
12/1/2016									
12/2/2016			37						
12/5/2016		130				130			
12/6/2016				130	280		110	470	
12/7/2016									
12/8/2016									13
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	6.4								
2/14/2017			45						
2/15/2017		120				190		510	
2/16/2017				120	380		110		
2/17/2017									
2/20/2017									24
3/27/2017									
4/13/2017	4.9								
4/14/2017			27						
4/17/2017		110							
4/18/2017					290	220	110	450	
4/19/2017				110					
4/20/2017									26
5/22/2017									
5/25/2017	5.7								
5/26/2017		110	34						
5/30/2017				110	260				
6/1/2017									29
6/2/2017						250	110	470	
6/5/2017									
7/7/2017	6.3								
7/10/2017			28						
7/11/2017		110							
7/12/2017							110		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
4/1/2019				
4/2/2019				
4/3/2019	26.2			
4/4/2019				
5/2/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	200 (o)			
9/30/2019				
2/19/2020				
2/21/2020	23.5			
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	26.1			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		53.5	92.6	
5/25/2020				43.3
6/23/2020		64.5	88.7	59.7
7/28/2020		65.7	300	15.8
9/2/2020		70.2	360	
9/3/2020				24.4
9/23/2020				
9/24/2020				
9/25/2020	22.6			
9/28/2020				
10/1/2020		70.2	382	26.6
11/10/2020		68.9	354	24.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
12/15/2020		78	406	28.3
1/20/2021		73.4	299	26.1
3/23/2021				
3/24/2021			115	
3/25/2021		74.5		22
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	24.6			
7/19/2021				
7/20/2021				
8/16/2021		74.5		6.7
8/18/2021			375	
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	25			
11/1/2021				
2/9/2022		72.7	130	19.1
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	22.8			
7/26/2022		74.9	486	20.8
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	4.6			
10/21/2022				
1/24/2023		67.2		22.4
1/26/2023			213	
1/27/2023				
1/30/2023				
2/1/2023				
2/2/2023	7.3			
2/7/2023				

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-22
6/6/2016	170	320							
6/7/2016			580	360	510	300	200		
6/8/2016								340	2000
6/9/2016									
8/9/2016	183								
8/10/2016							228		
8/11/2016		361	548	340					
8/12/2016					476			326	
8/15/2016									
8/16/2016						286			
8/18/2016									1960
8/22/2016									
10/3/2016	201								
10/4/2016							186		
10/5/2016		376							
10/6/2016					524				
10/7/2016			617	533		513		621	
10/10/2016									2130
11/29/2016	109								
12/1/2016									
12/2/2016							183		
12/5/2016		426			489				
12/6/2016			730	413		421			
12/7/2016								269	
12/8/2016									2200
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	214								
2/14/2017							367		
2/15/2017		452			562				
2/16/2017			685	434		433		488	
2/17/2017									2200
2/20/2017									
3/27/2017									
4/13/2017	211								
4/14/2017							184		
4/17/2017		388							
4/18/2017			621		955	349			
4/19/2017				415				396	
4/20/2017									2330
5/22/2017									
5/25/2017	173								
5/26/2017		423					179		
5/30/2017			601	391					
6/1/2017								266	
6/2/2017					602	313			
6/5/2017									2530
7/7/2017	165								
7/10/2017							211		
7/11/2017		387							
7/12/2017						255			

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWC-14A BGWA-47D (bg) BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
4/1/2019				
4/2/2019				
4/3/2019	235			
4/4/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	275			
9/30/2019				
2/19/2020				
2/21/2020	229			
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	229			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		454	357	
5/25/2020				249
6/23/2020		423	383	280
7/28/2020		768	410	264
9/2/2020		814	389	
9/3/2020				303
9/23/2020				
9/24/2020				
9/25/2020	233			
9/28/2020				
10/1/2020		824	384	301
11/10/2020		800	405	305
12/15/2020		876	385	289

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/6/2023 12:37 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
1/20/2021		786	377	285
3/23/2021				
3/24/2021		445		
3/25/2021			415	331
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	183			
8/16/2021			399	269
8/18/2021		850		
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	208			
2/9/2022		468	403	290
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	208			
7/26/2022		966	402	246
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	287			
10/21/2022				
1/24/2023			391	280
1/26/2023		554		
1/27/2023				
1/30/2023				
2/1/2023				
2/2/2023	368			
2/7/2023				

FIGURE E.

Appendix III - Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 1:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWC-12	0.05638	109	81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.07724	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.07522	-114	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.05615	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.1801	86	81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.721	169	105	Yes	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.781	161	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.633	-136	-98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.1575	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.03986	-110	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.99	133	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.44	165	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	7.825	104	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.42	132	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	57.52	187	105	Yes	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	76.87	165	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.1394	-136	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3104	-46	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.249	129	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-5.069	-177	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.932	-129	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	54.33	137	105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	91.25	145	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-156.3	-110	-98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-138.8	-145	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-2 (bg)	-0.05116	-127	-111	Yes	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1313	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06314	-180	-105	Yes	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-22	-0.06121	-216	-124	Yes	27	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.374	141	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	33.16	138	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	16.89	113	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.63	-99	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-2 (bg)	8.03	86	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	63.06	124	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-16	22.88	86	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	207.9	96	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	229.6	128	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-346.1	-124	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-48	-118	-81	Yes	20	0	n/a	n/a	0.01	NP

Appendix III - Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 1:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	-0.0005906	-20	-87	No	21	9.524	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	-13	-87	No	21	52.38	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-33 (bg)	-0.006311	-22	-30	No	10	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.002819	-29	-43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	0.008052	19	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-10	0.0028	28	81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-12	0.05638	109	81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-14A	0.099	21	43	No	13	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-16	-0.005124	-18	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.07724	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.07522	-114	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.05615	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.1801	86	81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.721	169	105	Yes	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.781	161	92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-24	-0.7355	-36	-98	No	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.633	-136	-98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.1575	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-8	-0.003648	-56	-81	No	20	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.03986	-110	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.99	133	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-29 (bg)	-0.03139	-6	-87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-33 (bg)	5.858	19	30	No	10	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	3.925	25	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	2.739	6	43	No	13	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.44	165	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	7.825	104	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.42	132	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	57.52	187	105	Yes	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	76.87	165	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-24	-35.1	-47	-98	No	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-7	-1.146	-34	-81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-2 (bg)	0.1884	78	87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.1394	-136	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-33 (bg)	-0.05685	-2	-25	No	9	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3104	-46	-43	Yes	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-48D (bg)	1.602	23	43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.249	129	81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-5.069	-177	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-14A	-3.326	-25	-43	No	13	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.932	-129	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-17	0.4813	19	81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-20	2.225	67	81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	54.33	137	105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	91.25	145	92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-156.3	-110	-98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-138.8	-145	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-2 (bg)	-0.05116	-127	-111	Yes	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-29 (bg)	0	-2	-105	No	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-33 (bg)	-0.2013	-33	-38	No	12	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1313	-67	-48	Yes	14	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-48D (bg)	-0.1821	-42	-48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06314	-180	-105	Yes	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-18	-0.07728	-85	-105	No	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-19	-0.003283	-17	-105	No	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-22	-0.06121	-216	-124	Yes	27	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-7	-0.02517	-73	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.374	141	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-29 (bg)	-0.4674	-59	-87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-33 (bg)	-2.238	-20	-25	No	9	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-47D (bg)	4.998	38	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	-4.485	-32	-43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-1.365	-75	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	33.16	138	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-14A	46.4	16	43	No	13	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	16.89	113	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-17	-4.183	-54	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-20	1.104	6	81	No	20	0	n/a	n/a	0.01	NP

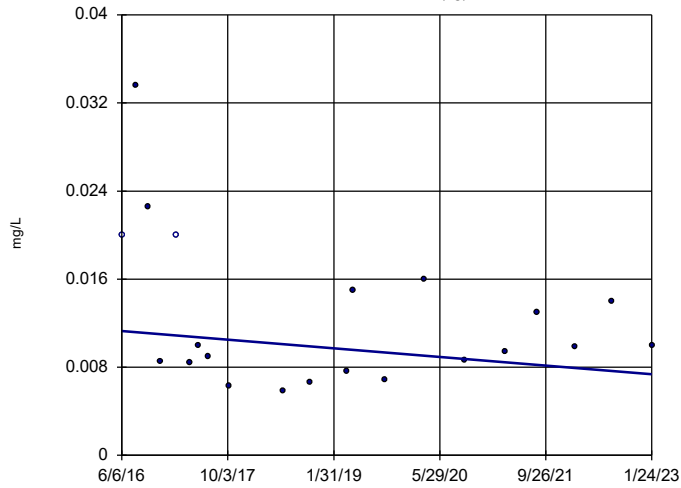
Appendix III - Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 1:40 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	BGWC-22	8.116	28	105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-23	22.66	76	92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-24	-41	-87	-98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.63	-99	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-2 (bg)	8.03	86	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-29 (bg)	-1.689	-33	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-33 (bg)	0	1	30	No	10	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-47D (bg)	7.283	20	43	No	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-48D (bg)	0.4335	1	43	No	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	63.06	124	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-14A	53.18	18	43	No	13	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-16	22.88	86	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-20	29.53	78	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	207.9	96	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	229.6	128	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-24	-247.1	-68	-87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-346.1	-124	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-48	-118	-81	Yes	20	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

BGWA-2 (bg)

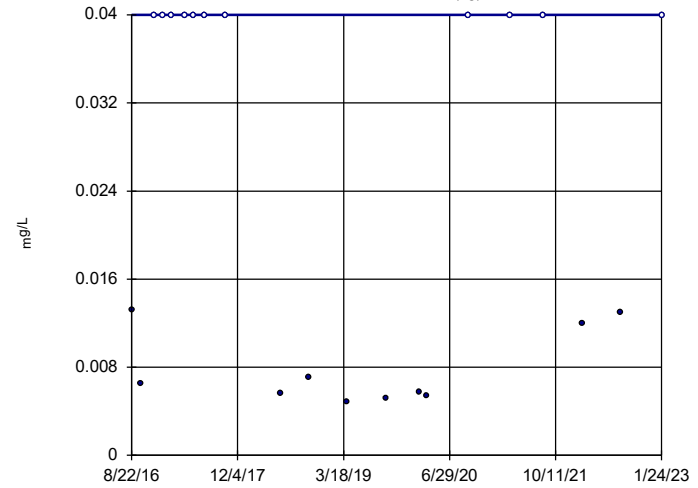


n = 21
Slope = -0.0005906
units per year.
Mann-Kendall
statistic = -20
critical = -87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 4/6/2023 1:36 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-29 (bg)

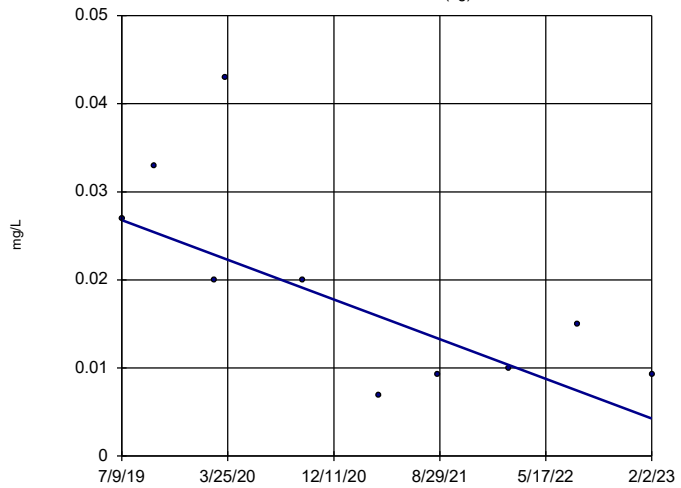


n = 21
Slope = 0
units per year.
Mann-Kendall
statistic = -13
critical = -87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-33 (bg)

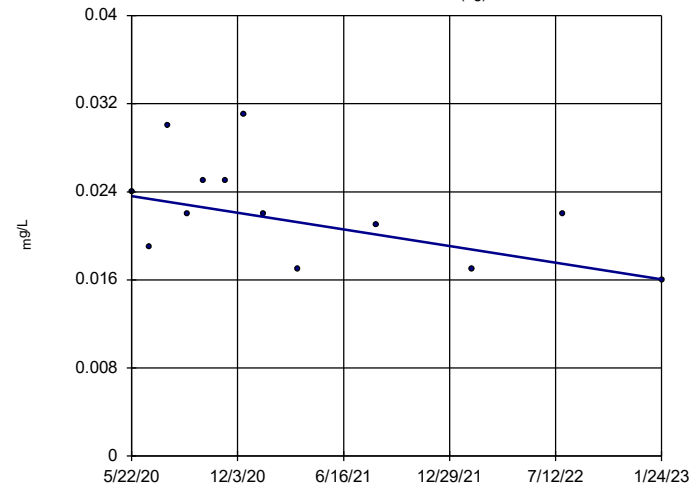


n = 10
Slope = -0.006311
units per year.
Mann-Kendall
statistic = -22
critical = -30
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

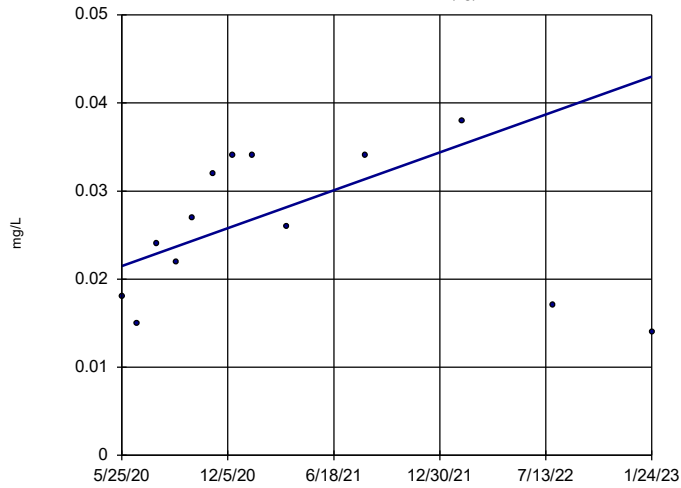


n = 13
Slope = -0.002819
units per year.
Mann-Kendall
statistic = -29
critical = -43
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

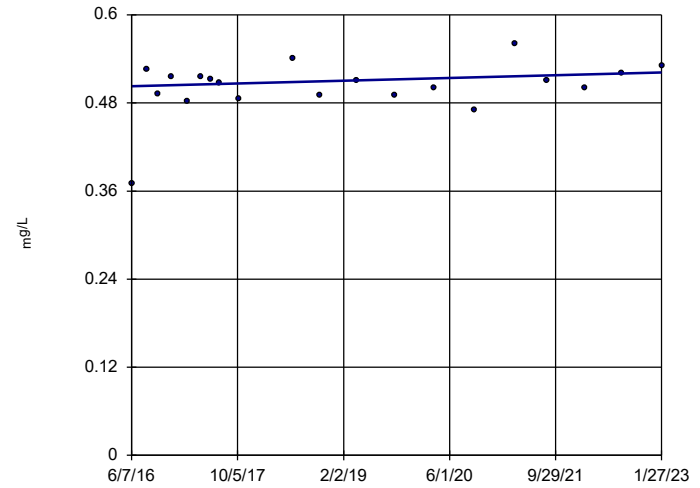


n = 13
 Slope = 0.008052 units per year.
 Mann-Kendall statistic = 19
 critical = 43
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

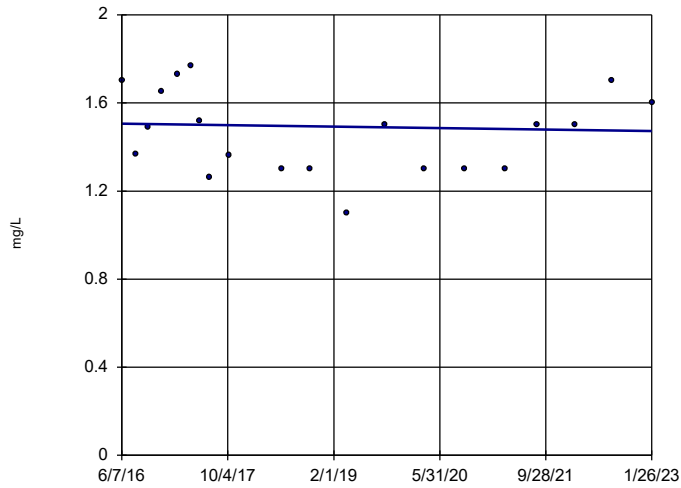
Sen's Slope Estimator

BGWC-10



Sen's Slope Estimator

BGWC-16

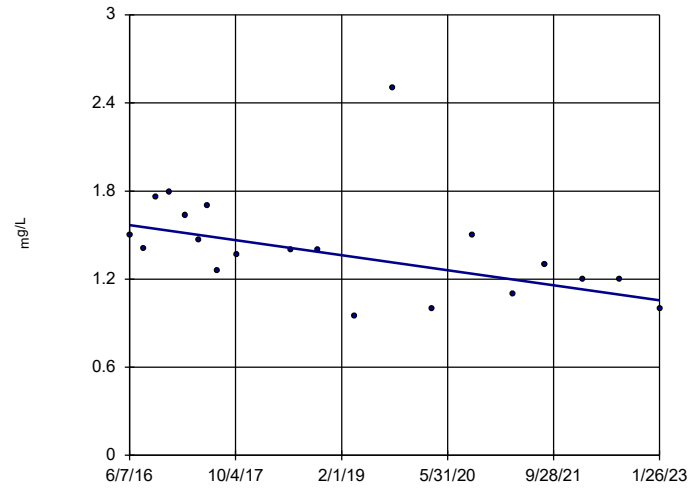


n = 20
 Slope = -0.005124
 units per year.
 Mann-Kendall
 statistic = -18
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-17

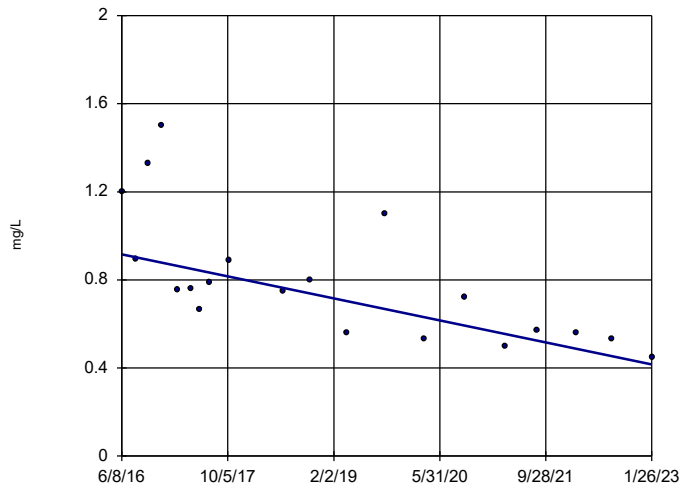


n = 20
 Slope = -0.07724
 units per year.
 Mann-Kendall
 statistic = -84
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-18

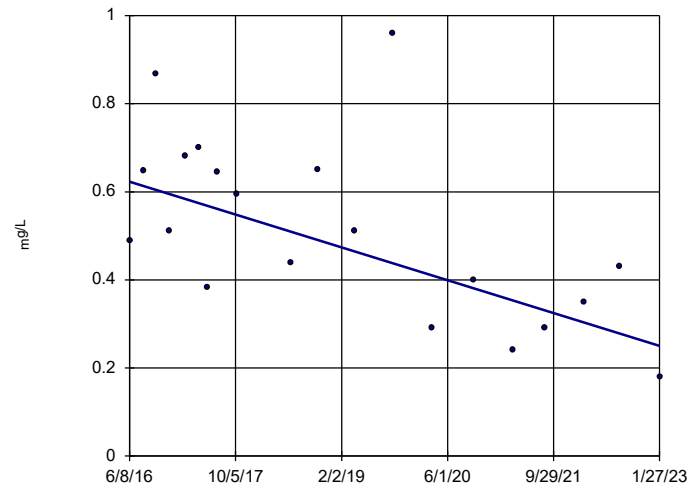


n = 20
 Slope = -0.07522
 units per year.
 Mann-Kendall
 statistic = -114
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-19

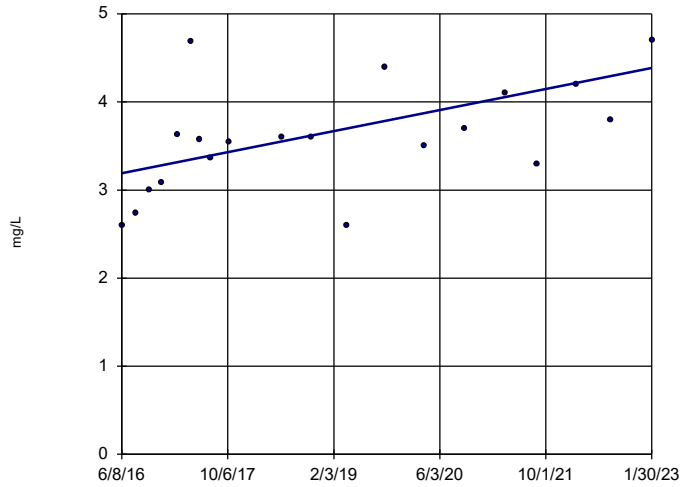


n = 20
 Slope = -0.05615
 units per year.
 Mann-Kendall
 statistic = -84
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-20

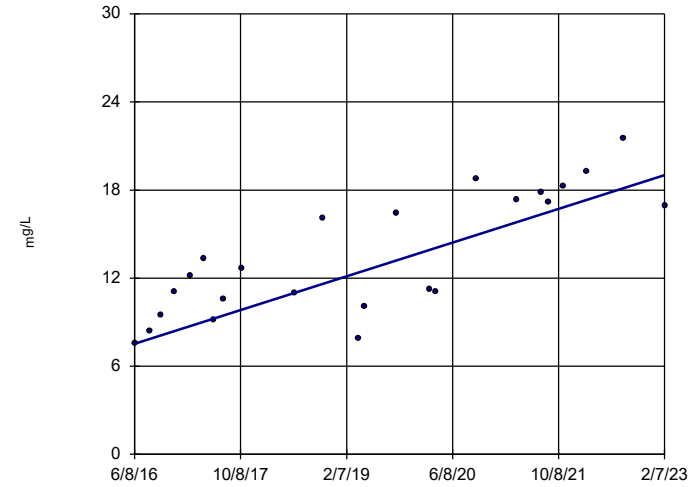


n = 20
 Slope = 0.1801
 units per year.
 Mann-Kendall
 statistic = 86
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

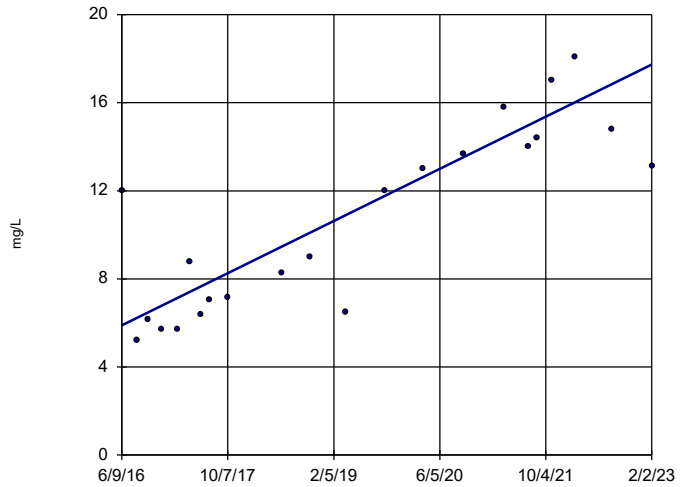


n = 24
 Slope = 1.721
 units per year.
 Mann-Kendall
 statistic = 169
 critical = 105
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-23

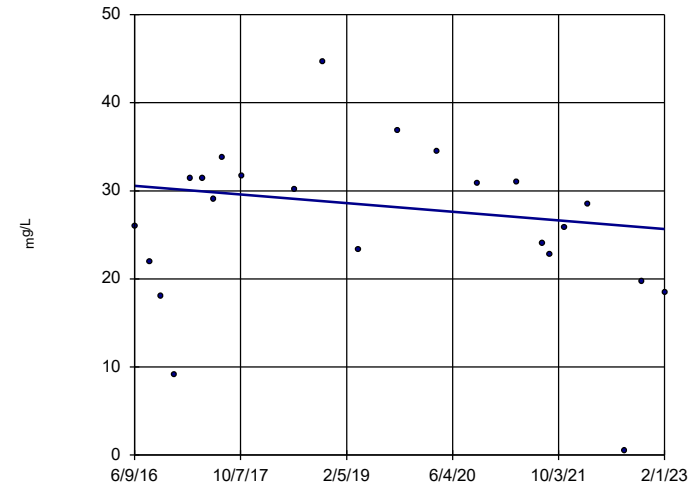


n = 22
 Slope = 1.781
 units per year.
 Mann-Kendall
 statistic = 161
 critical = 92
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-24

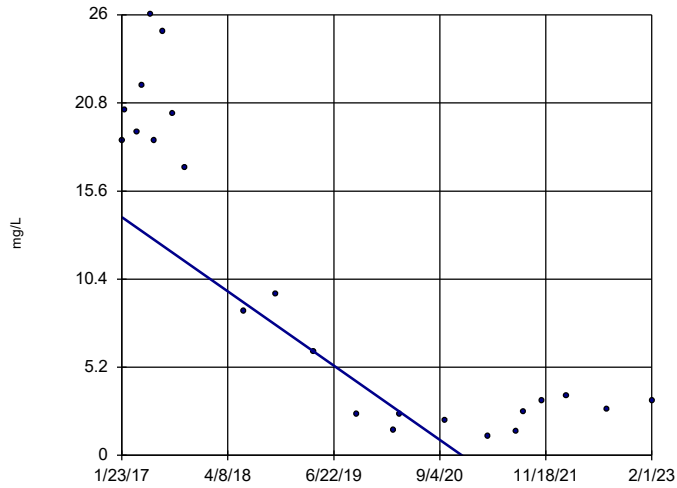


n = 23
 Slope = -0.7355
 units per year.
 Mann-Kendall
 statistic = -36
 critical = -98
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-30

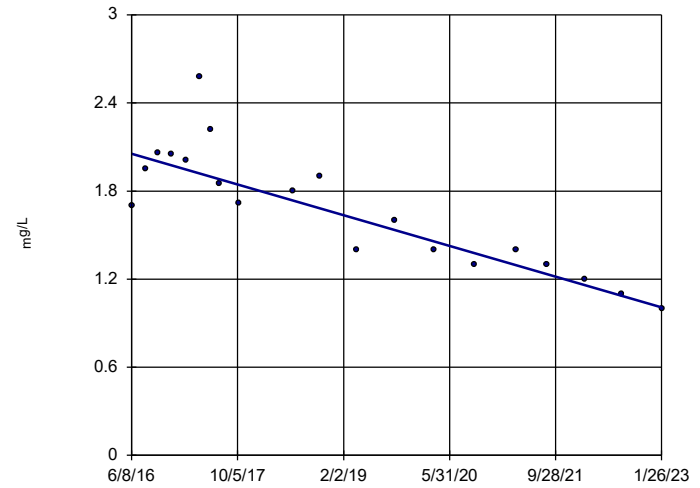


n = 23
 Slope = -3.633
 units per year.
 Mann-Kendall
 statistic = -136
 critical = -98
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-7

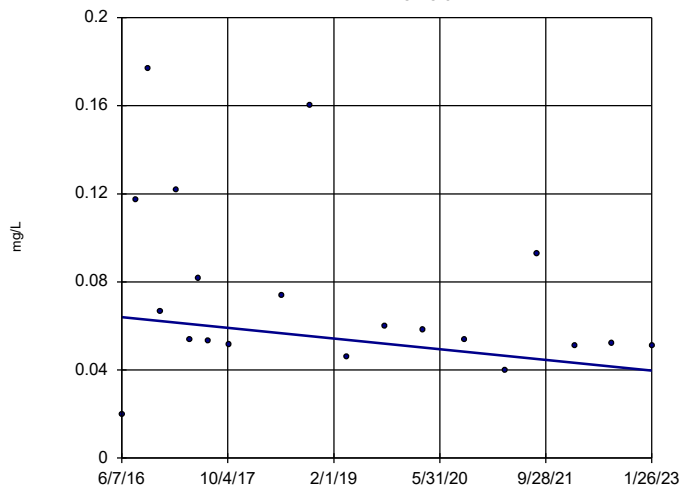


n = 20
 Slope = -0.1575
 units per year.
 Mann-Kendall
 statistic = -132
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-8

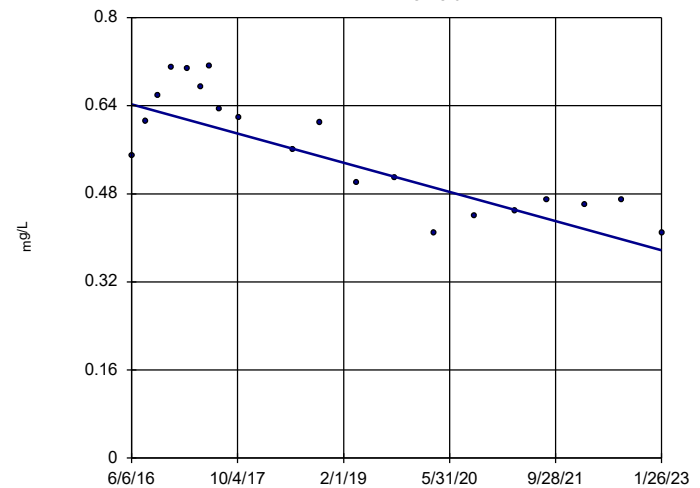


n = 20
 Slope = -0.003648
 units per year.
 Mann-Kendall
 statistic = -56
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-9

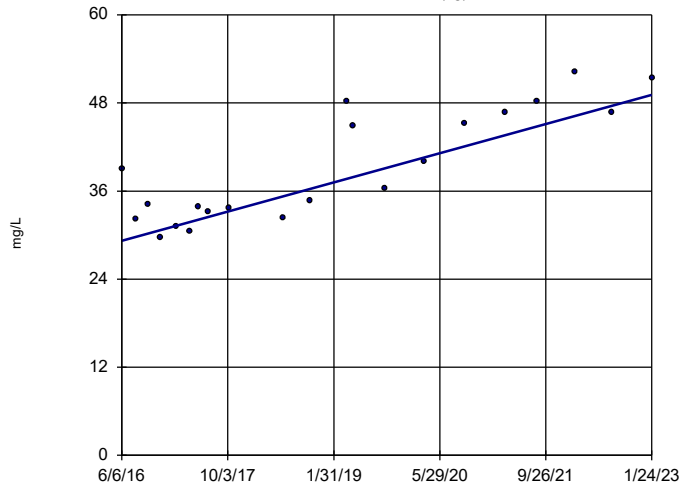


n = 20
 Slope = -0.03986
 units per year.
 Mann-Kendall
 statistic = -110
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

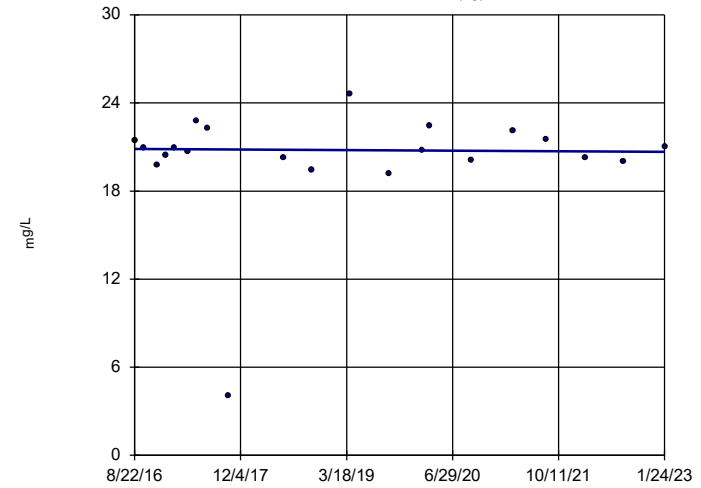
BGWA-2 (bg)



Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

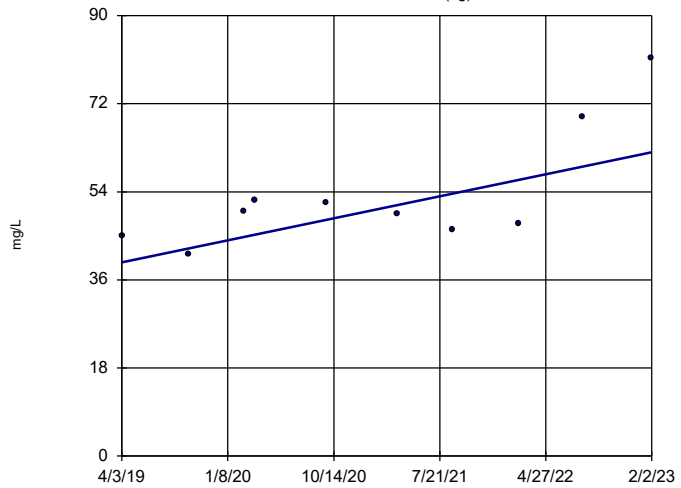
BGWA-29 (bg)



Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

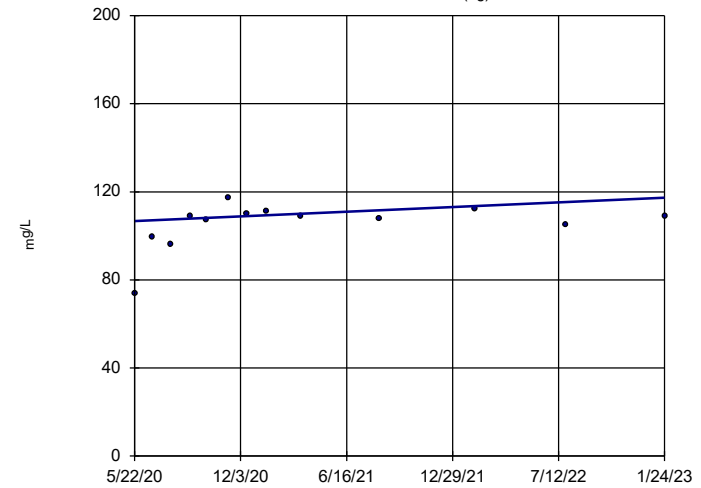
BGWA-33 (bg)



Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

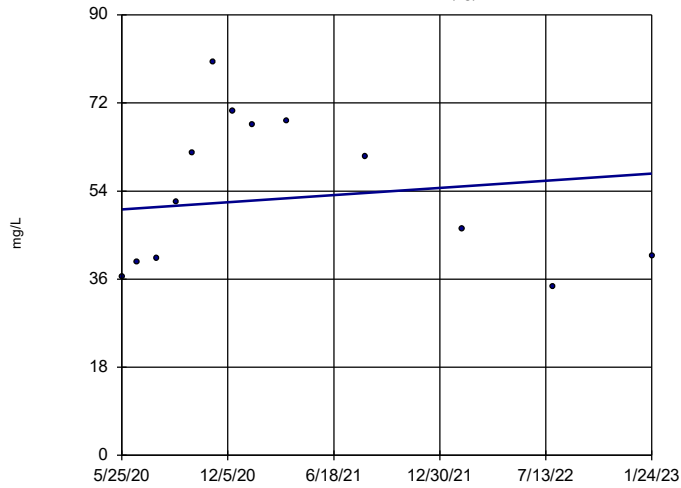
BGWA-47D (bg)



Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

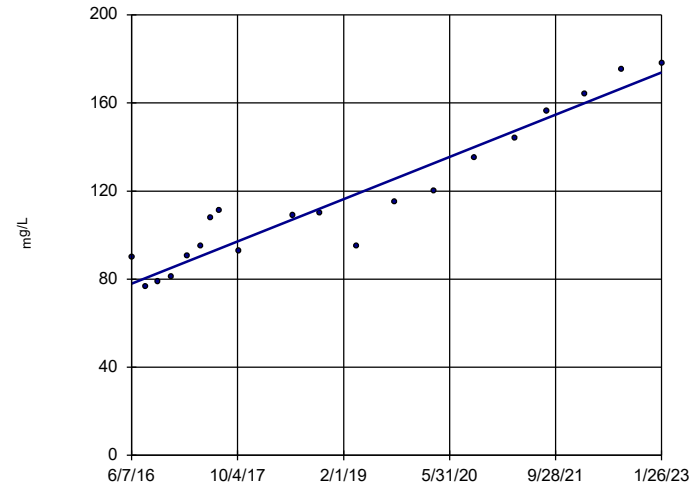


n = 13
 Slope = 2.739
 units per year.
 Mann-Kendall
 statistic = 6
 critical = 43
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-12

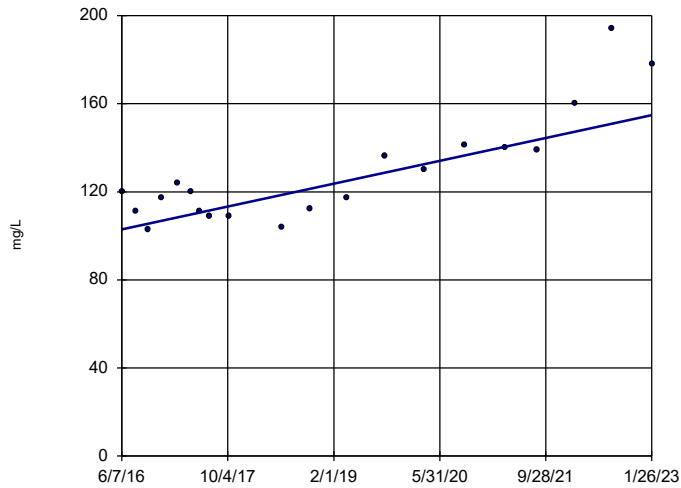


n = 20
 Slope = 14.44
 units per year.
 Mann-Kendall
 statistic = 165
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-16

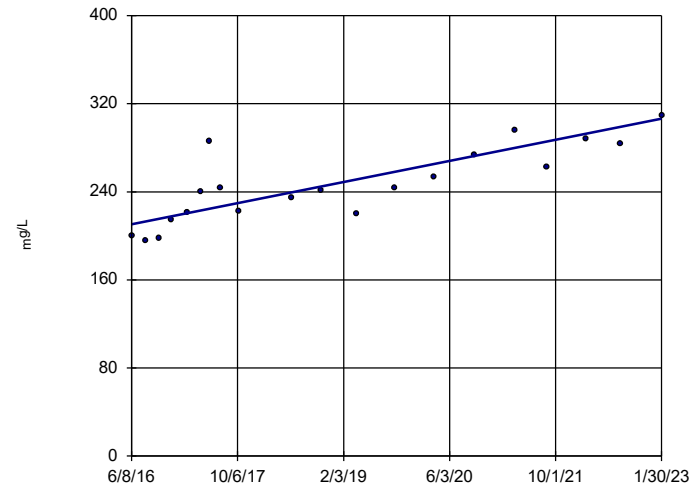


n = 20
 Slope = 7.825
 units per year.
 Mann-Kendall
 statistic = 104
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-20

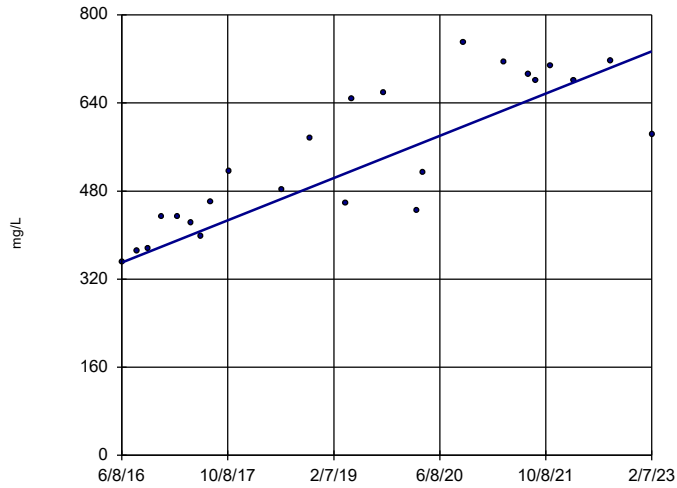


n = 20
 Slope = 14.42
 units per year.
 Mann-Kendall
 statistic = 132
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

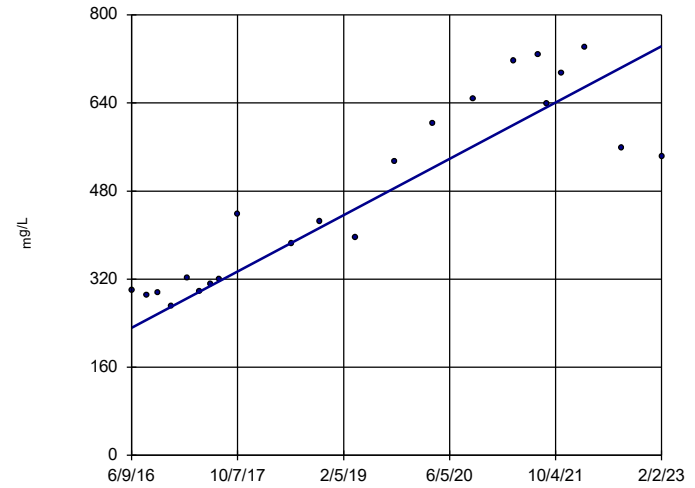


n = 24
 Slope = 57.52
 units per year.
 Mann-Kendall
 statistic = 187
 critical = 105
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-23

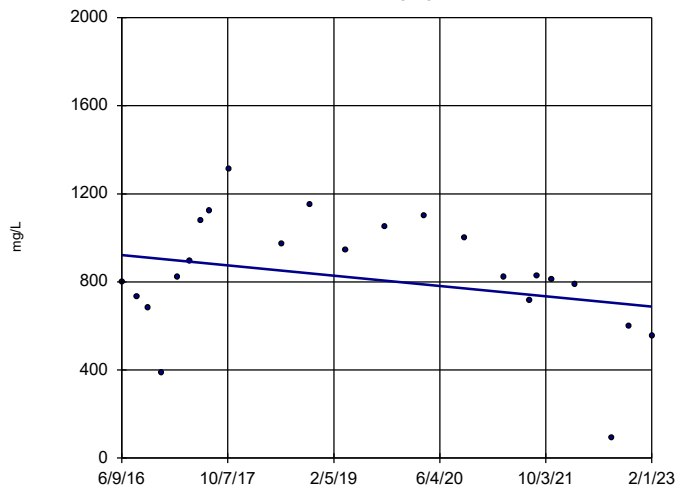


n = 22
 Slope = 76.87
 units per year.
 Mann-Kendall
 statistic = 165
 critical = 92
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-24

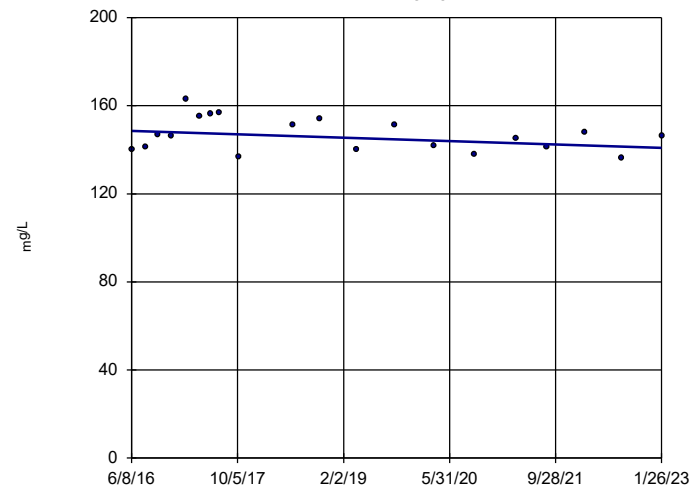


n = 23
 Slope = -35.1
 units per year.
 Mann-Kendall
 statistic = -47
 critical = -98
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-7

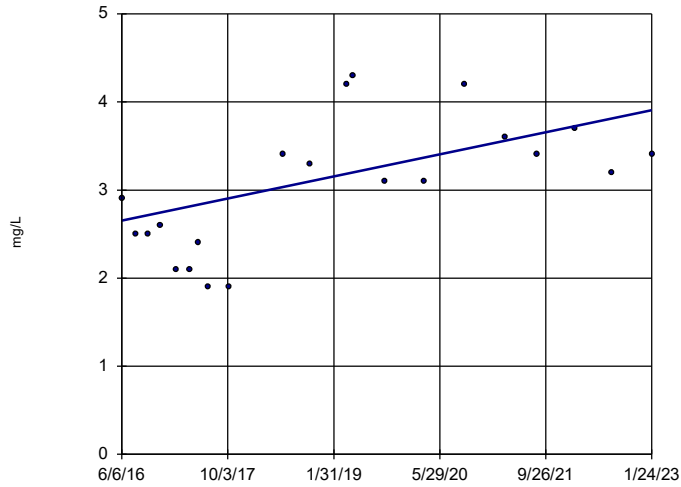


n = 20
 Slope = -1.146
 units per year.
 Mann-Kendall
 statistic = -34
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

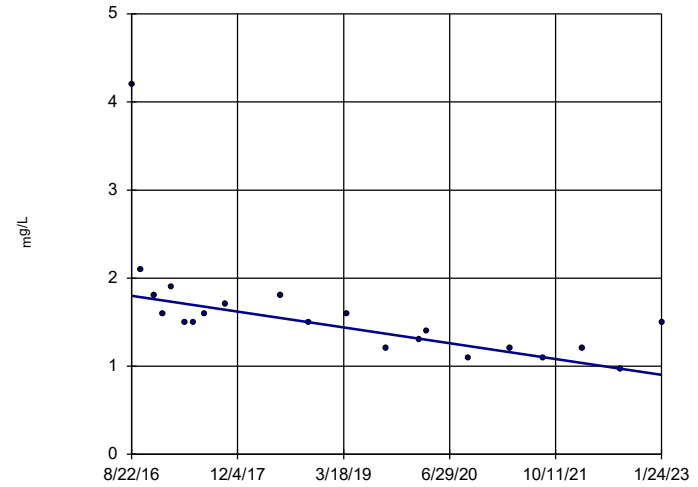
BGWA-2 (bg)



Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

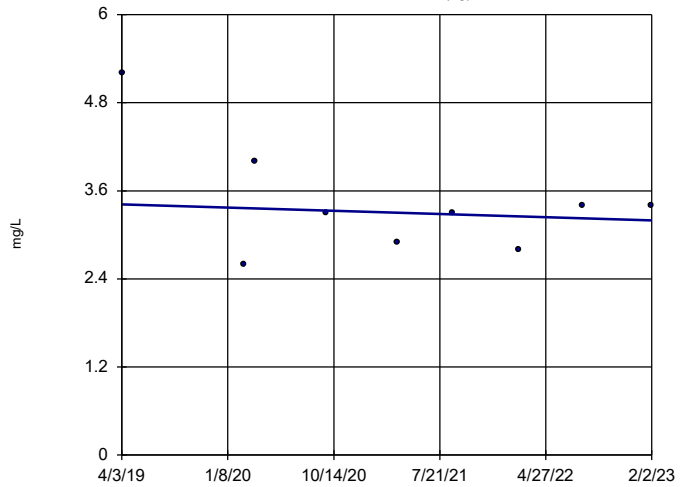
BGWA-29 (bg)



Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

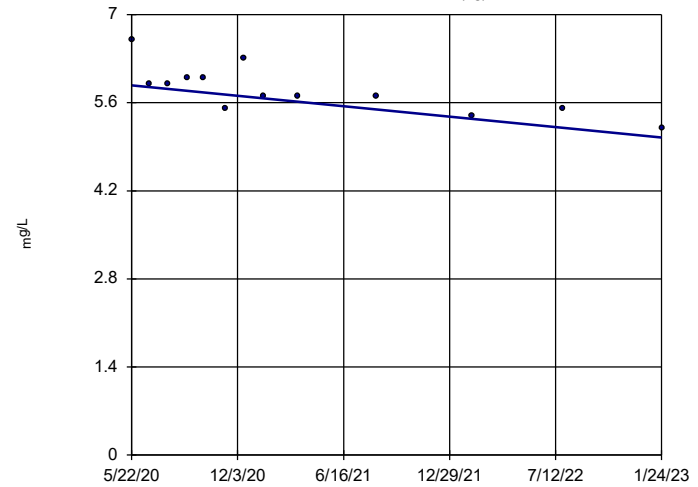
BGWA-33 (bg)



Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

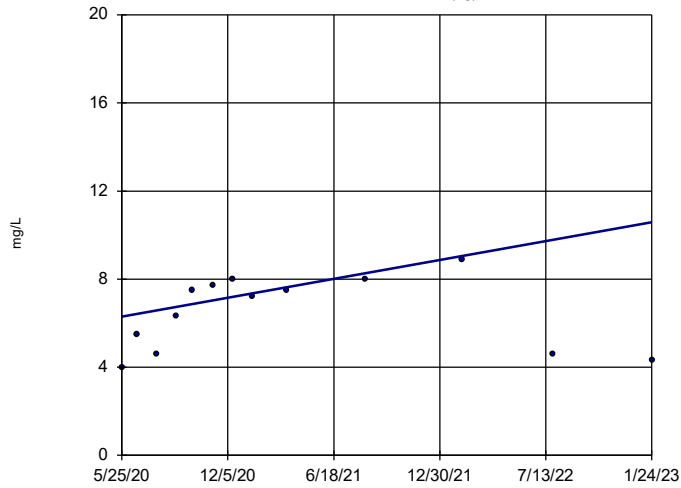
Sen's Slope Estimator

BGWA-47D (bg)



Sen's Slope Estimator

BGWA-48D (bg)

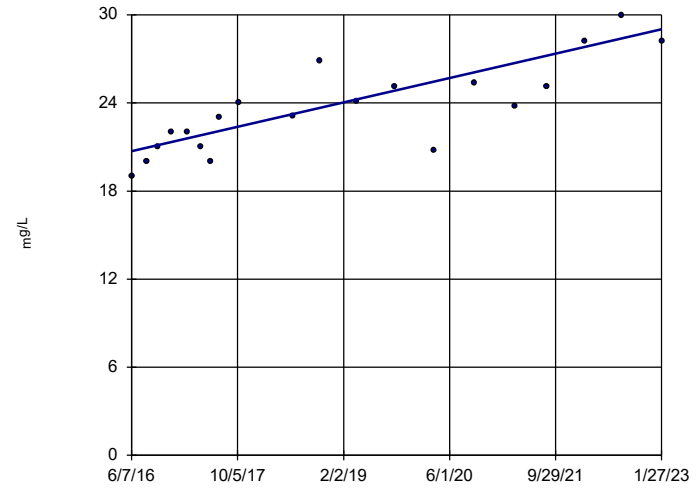


n = 13
 Slope = 1.602
 units per year.
 Mann-Kendall
 statistic = 23
 critical = 43
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

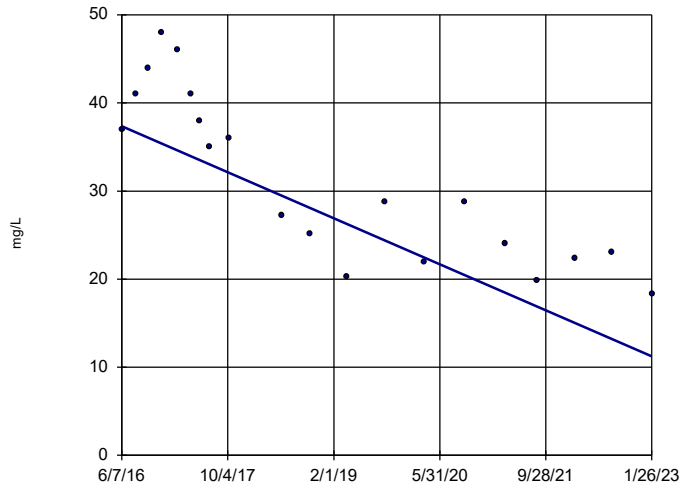
Sen's Slope Estimator

BGWC-10



Sen's Slope Estimator

BGWC-16

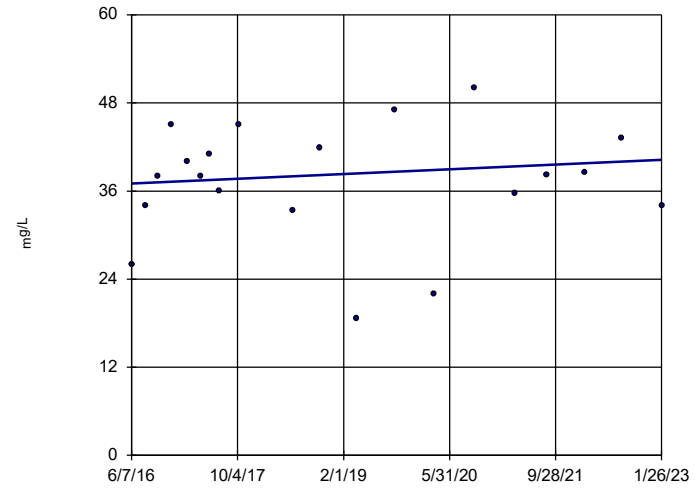


n = 20
 Slope = -3.932
 units per year.
 Mann-Kendall
 statistic = -129
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-17

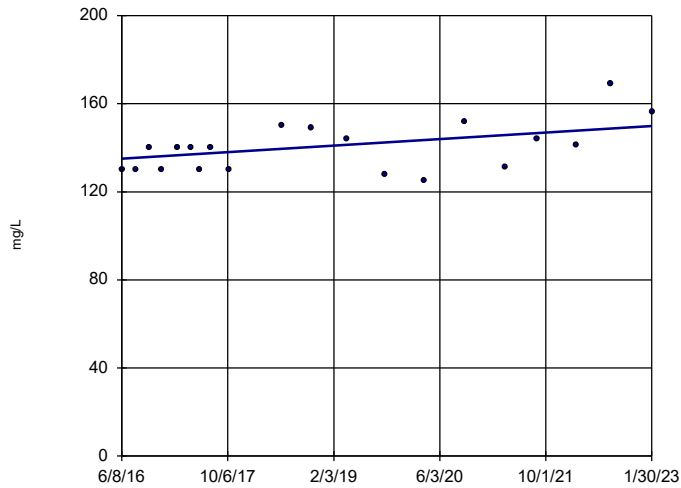


n = 20
 Slope = 0.4813
 units per year.
 Mann-Kendall
 statistic = 19
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-20

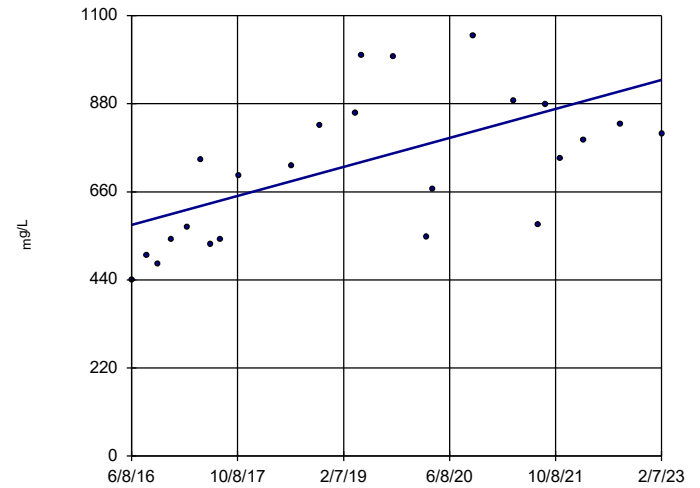


n = 20
 Slope = 2.225
 units per year.
 Mann-Kendall
 statistic = 67
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

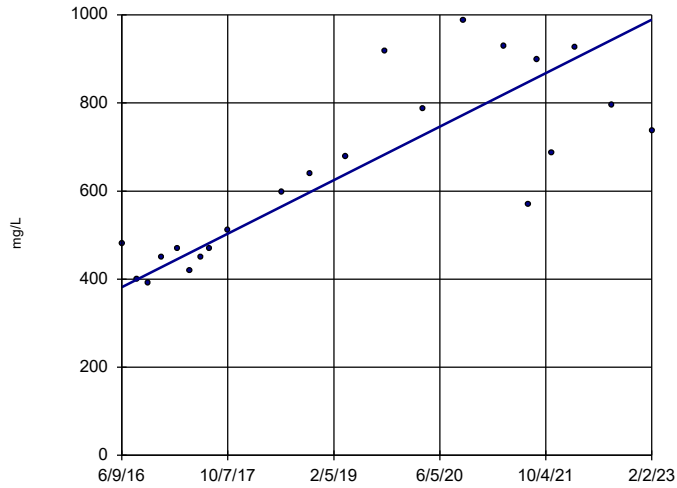


n = 24
 Slope = 54.33
 units per year.
 Mann-Kendall
 statistic = 137
 critical = 105
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-23

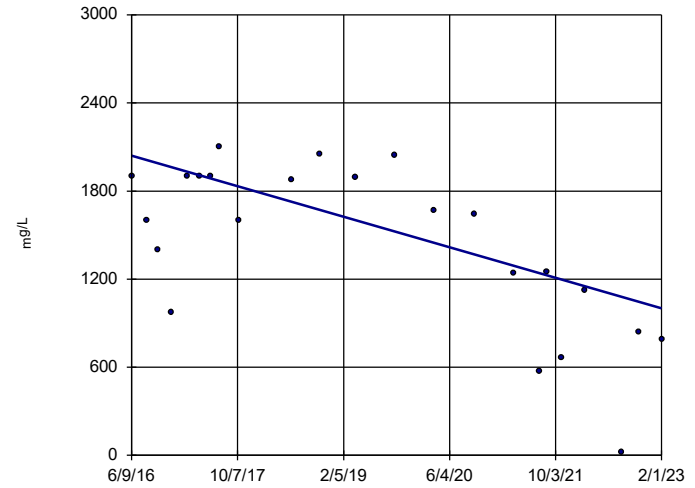


n = 22
 Slope = 91.25
 units per year.
 Mann-Kendall
 statistic = 145
 critical = 92
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-24

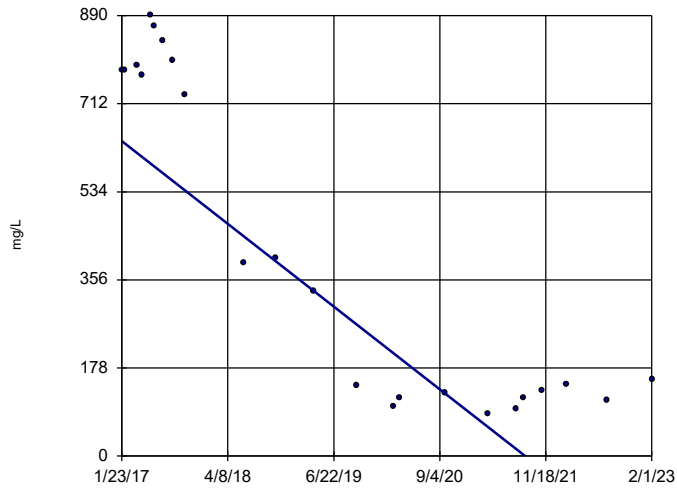


n = 23
 Slope = -156.3
 units per year.
 Mann-Kendall
 statistic = -110
 critical = -98
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-30

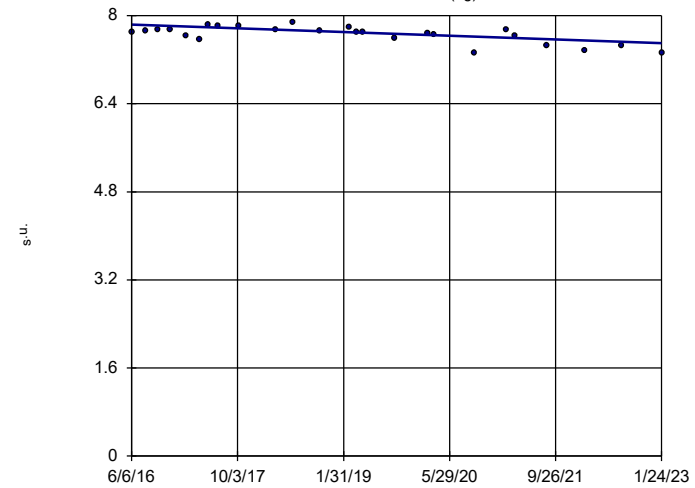


n = 23
 Slope = -138.8
 units per year.
 Mann-Kendall
 statistic = -145
 critical = -98
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-2 (bg)

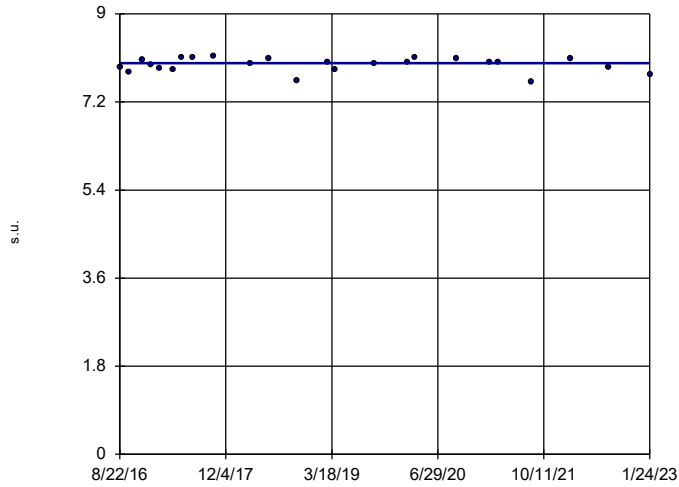


n = 25
 Slope = -0.05116
 units per year.
 Mann-Kendall
 statistic = -127
 critical = -111
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-29 (bg)

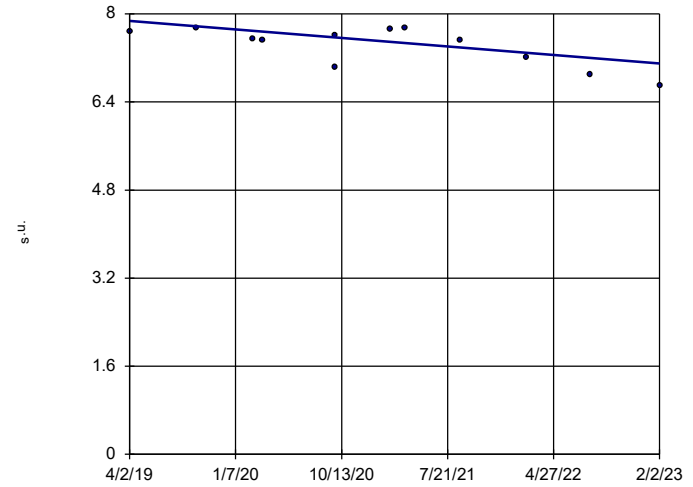


n = 24
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = -2
 critical = -105
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

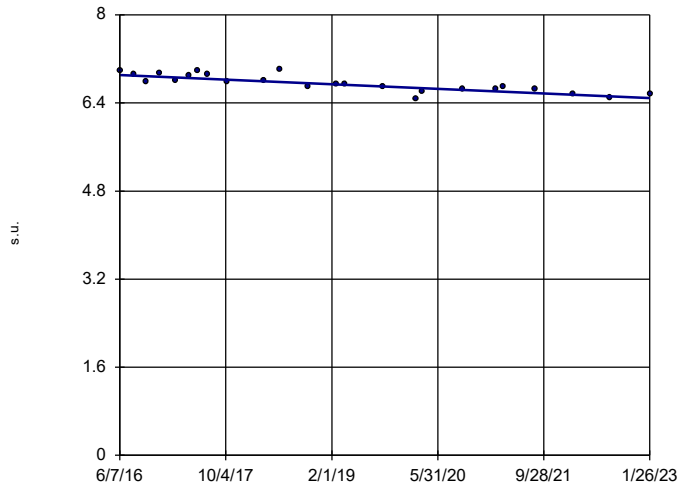
Sen's Slope Estimator

BGWA-33 (bg)



Sen's Slope Estimator

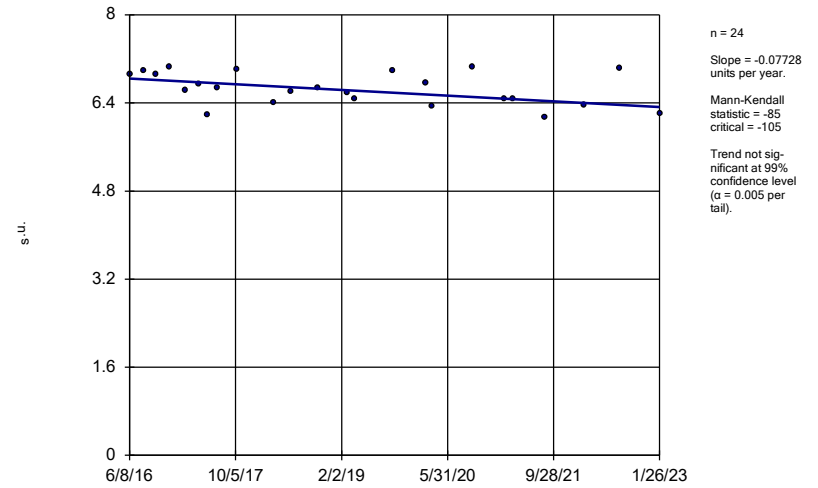
BGWC-16



Constituent: pH Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

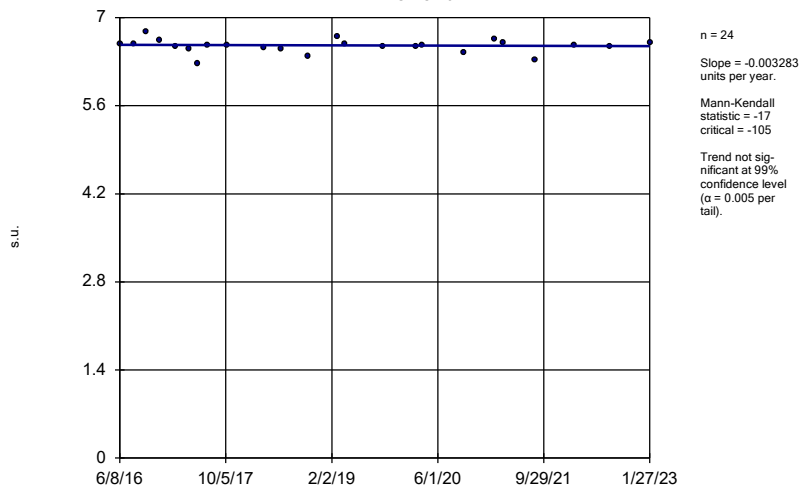
BGWC-18



Constituent: pH Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

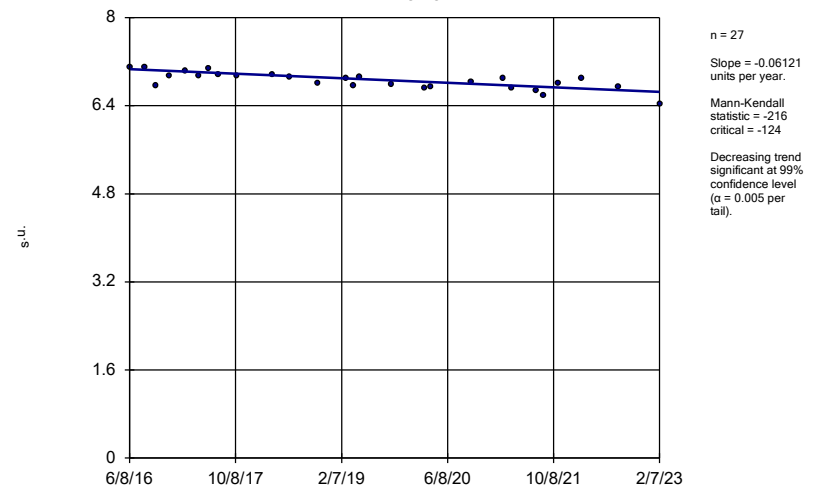
BGWC-19



Constituent: pH Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

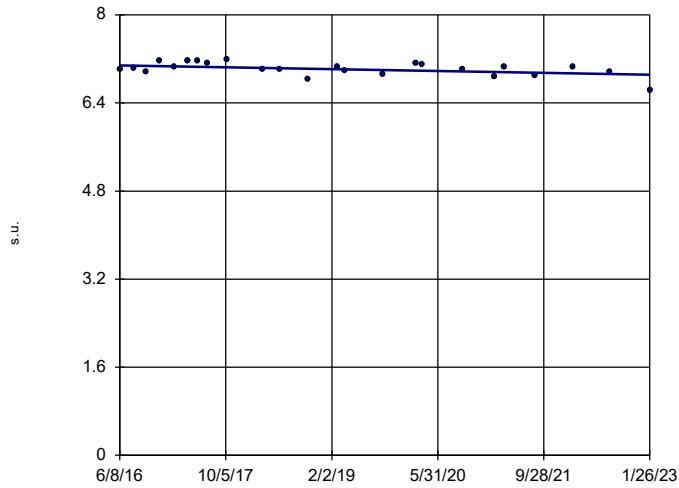
BGWC-22



Constituent: pH Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-7

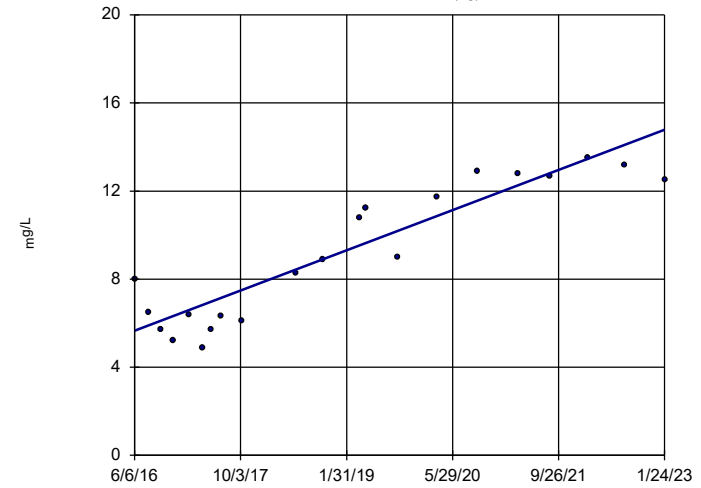


n = 24
 Slope = -0.02517
 units per year.
 Mann-Kendall
 statistic = -73
 critical = -105
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-2 (bg)

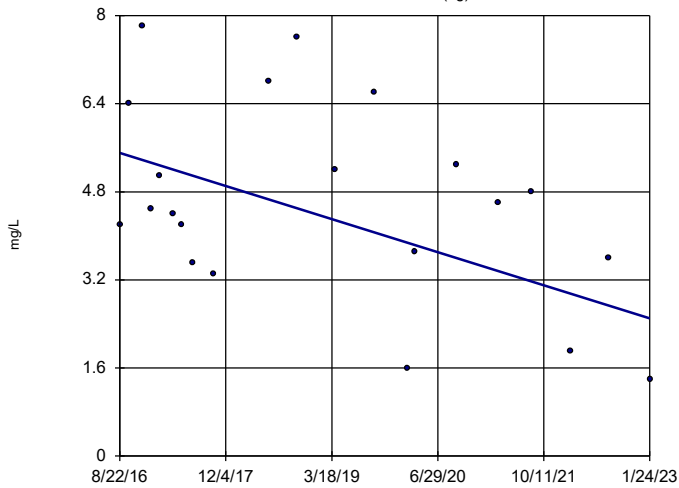


n = 21
 Slope = 1.374
 units per year.
 Mann-Kendall
 statistic = 141
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-29 (bg)

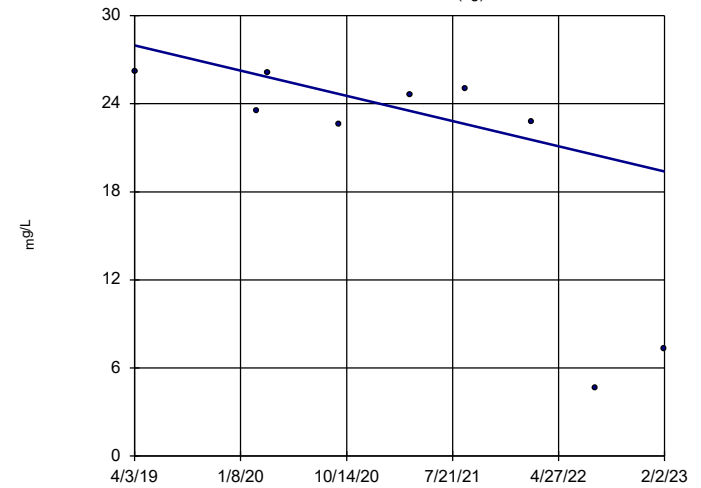


n = 21
 Slope = -0.4674
 units per year.
 Mann-Kendall
 statistic = -59
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-33 (bg)

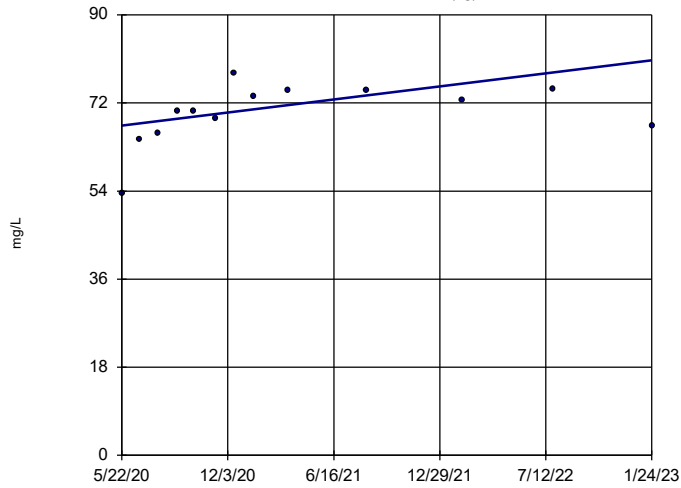


n = 9
 Slope = -2.238
 units per year.
 Mann-Kendall
 statistic = -20
 critical = -25
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

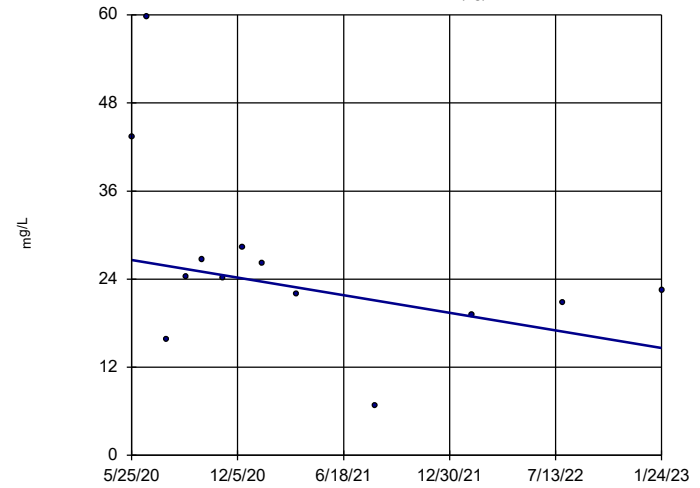


n = 13
 Slope = 4.998
 units per year.
 Mann-Kendall
 statistic = 38
 critical = 43
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

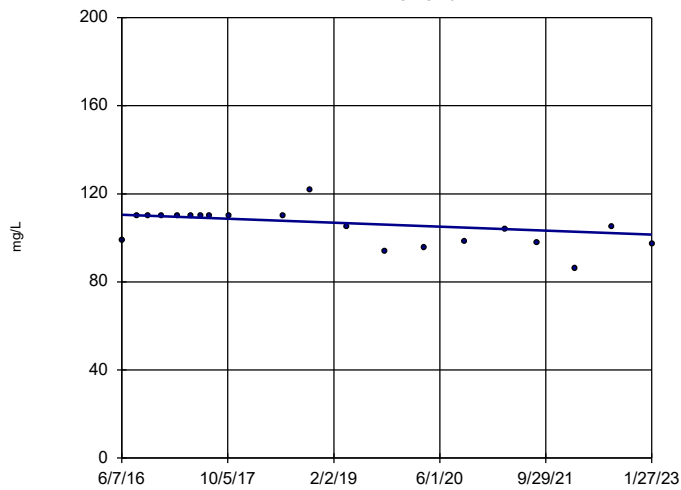


n = 13
 Slope = -4.485
 units per year.
 Mann-Kendall
 statistic = -32
 critical = -43
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-10

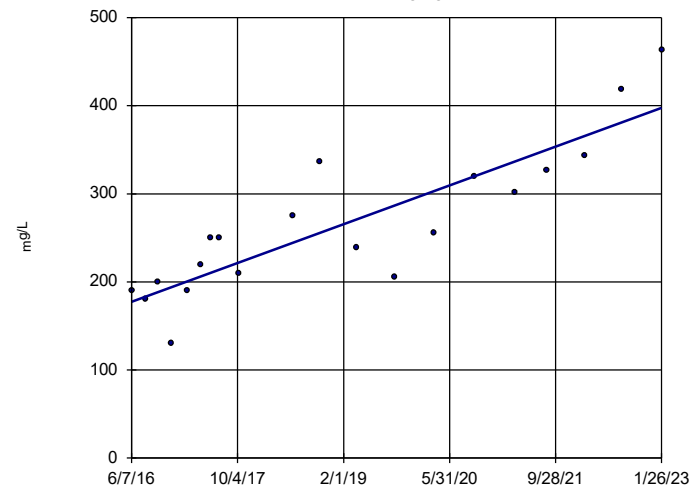


n = 20
 Slope = -1.365
 units per year.
 Mann-Kendall
 statistic = -75
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-12

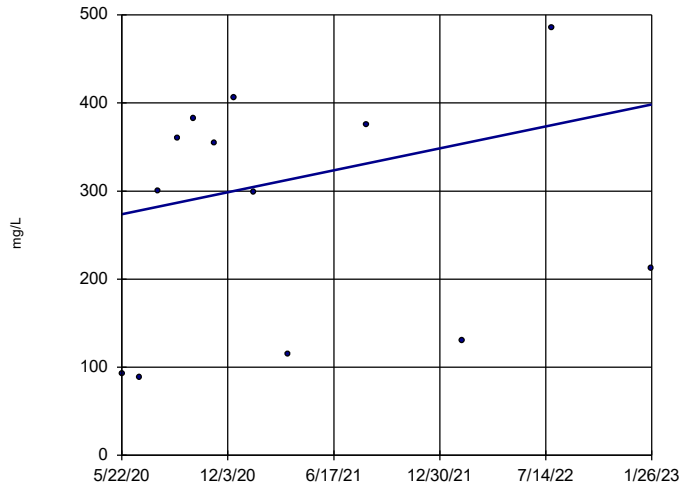


n = 20
 Slope = 33.16
 units per year.
 Mann-Kendall
 statistic = 138
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-14A

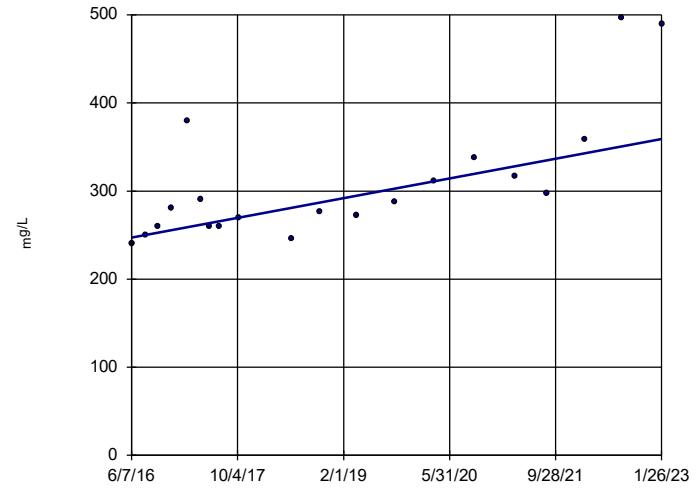


n = 13
 Slope = 46.4
 units per year.
 Mann-Kendall
 statistic = 16
 critical = 43
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-16

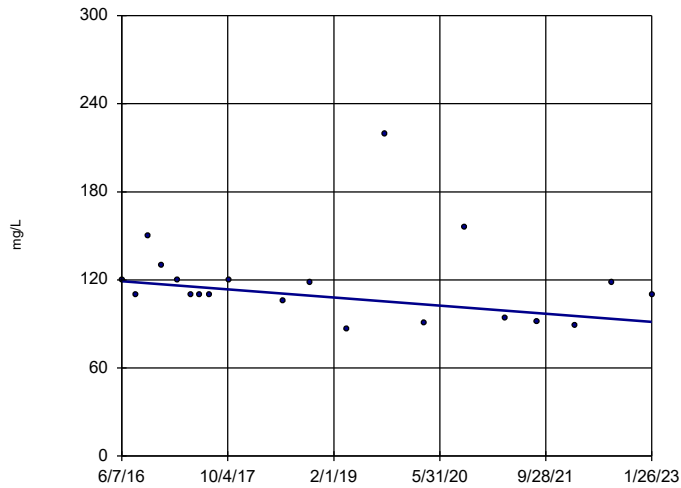


n = 20
 Slope = 16.89
 units per year.
 Mann-Kendall
 statistic = 113
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-17

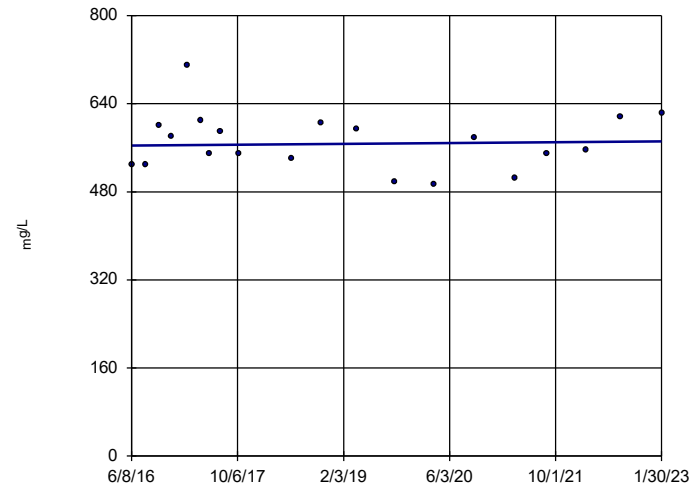


n = 20
 Slope = -4.183
 units per year.
 Mann-Kendall
 statistic = -54
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-20

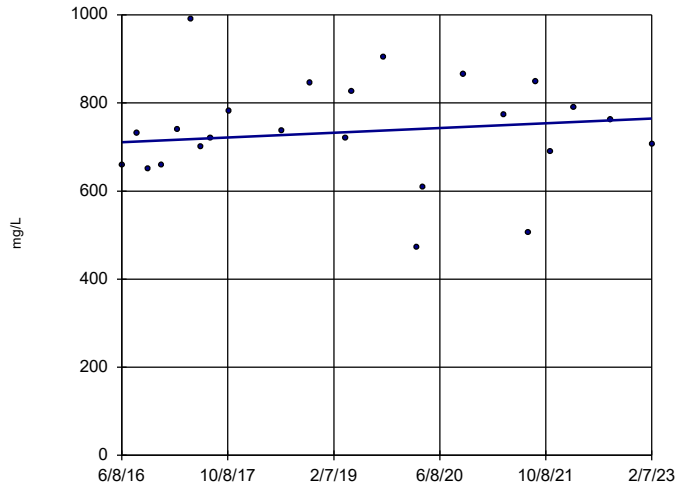


n = 20
 Slope = 1.104
 units per year.
 Mann-Kendall
 statistic = 6
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

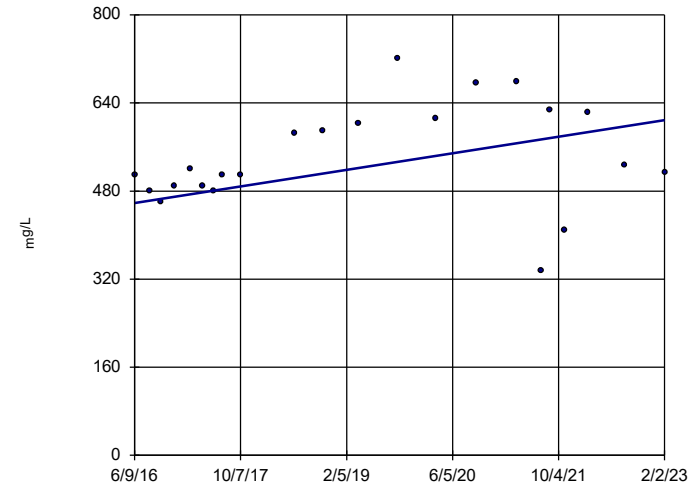


n = 24
 Slope = 8.116
 units per year.
 Mann-Kendall
 statistic = 28
 critical = 105
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-23

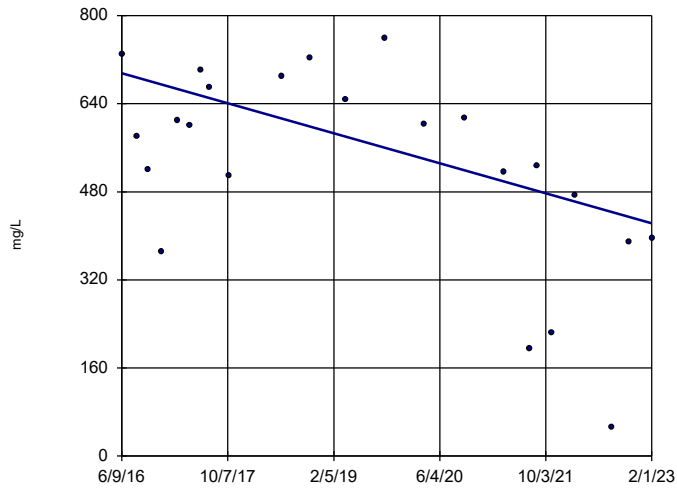


n = 22
 Slope = 22.66
 units per year.
 Mann-Kendall
 statistic = 76
 critical = 92
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:37 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-24

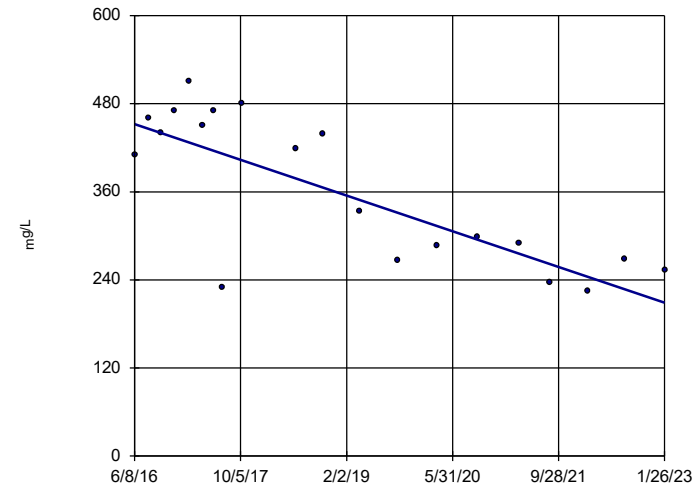


n = 23
 Slope = -41
 units per year.
 Mann-Kendall
 statistic = -87
 critical = -98
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-7

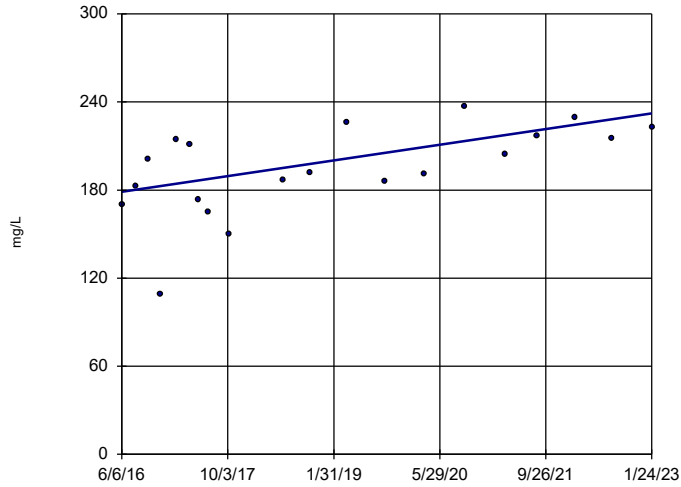


n = 20
 Slope = -36.63
 units per year.
 Mann-Kendall
 statistic = -99
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-2 (bg)

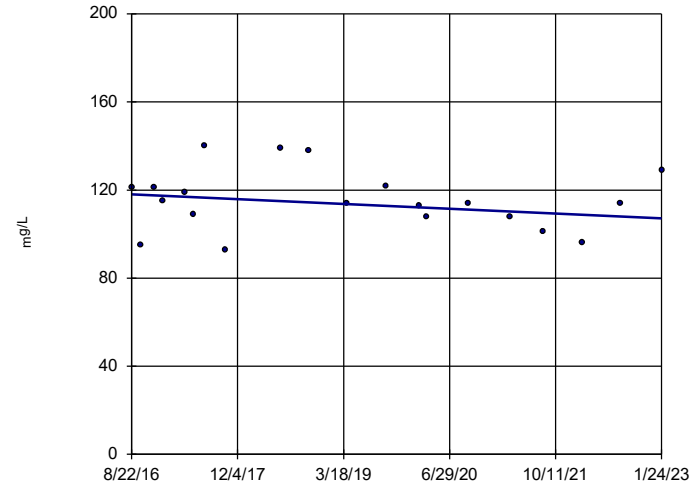


n = 20
 Slope = 8.03
 units per year.
 Mann-Kendall
 statistic = 86
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-29 (bg)

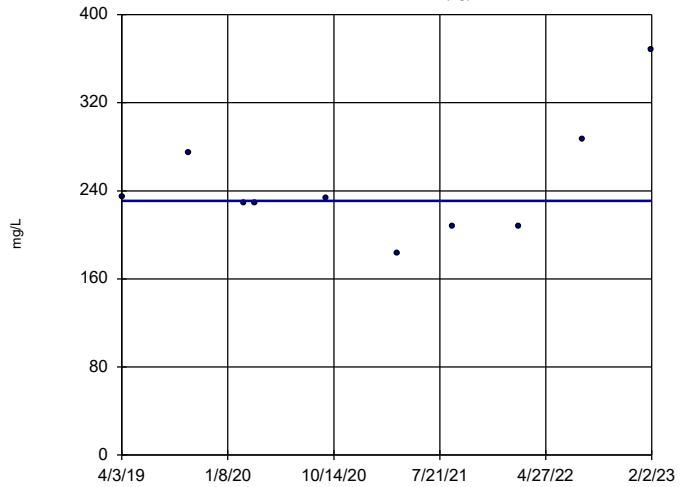


n = 20
 Slope = -1.689
 units per year.
 Mann-Kendall
 statistic = -33
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-33 (bg)

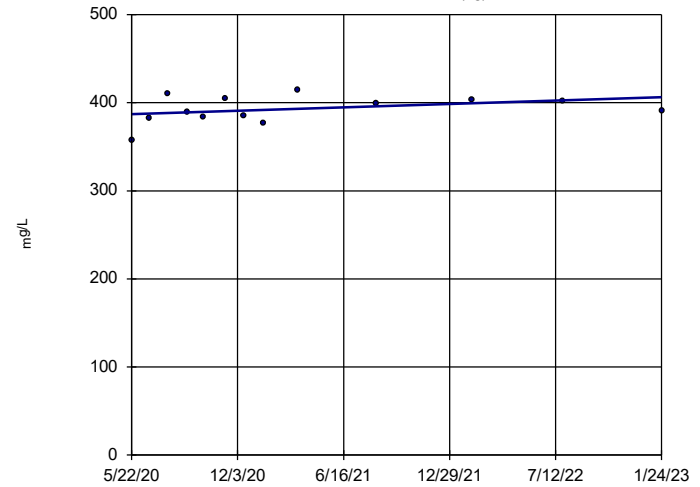


n = 10
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 1
 critical = 30
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

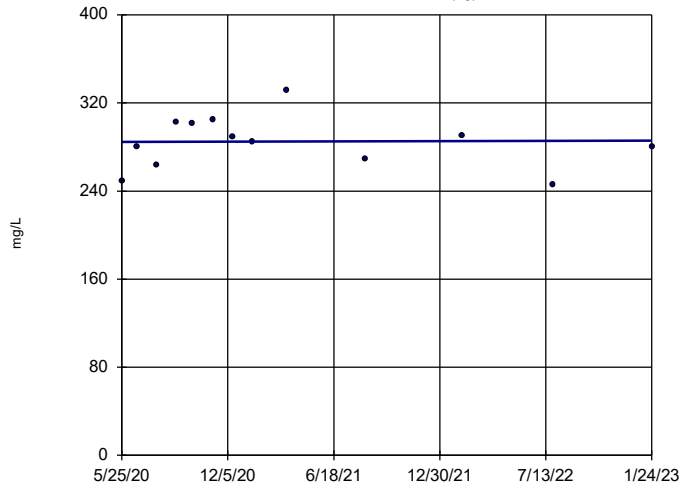


n = 13
 Slope = 7.283
 units per year.
 Mann-Kendall
 statistic = 20
 critical = 43
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

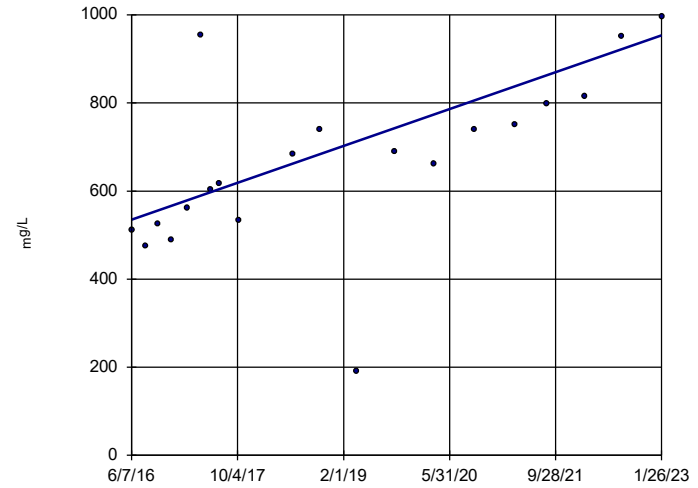


n = 13
 Slope = 0.4335 units per year.
 Mann-Kendall statistic = 1
 critical = 43
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-12

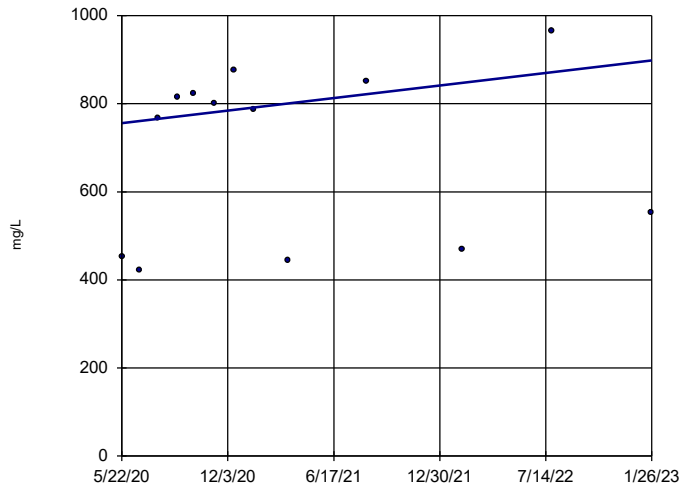


n = 20
 Slope = 63.06 units per year.
 Mann-Kendall statistic = 124
 critical = 81
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-14A

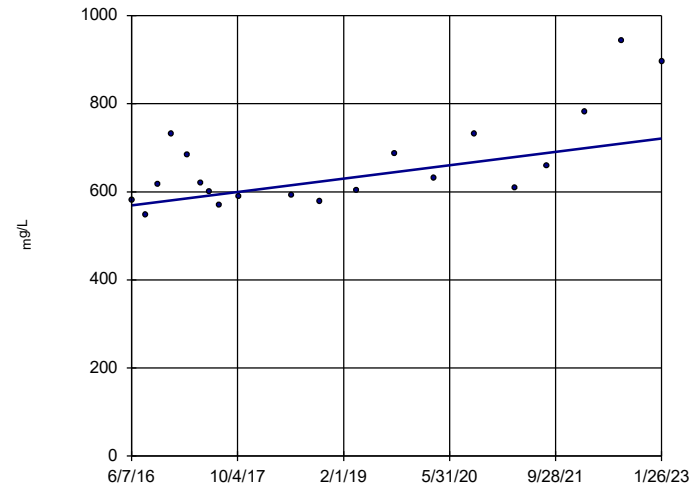


n = 13
 Slope = 53.18 units per year.
 Mann-Kendall statistic = 18
 critical = 43
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-16

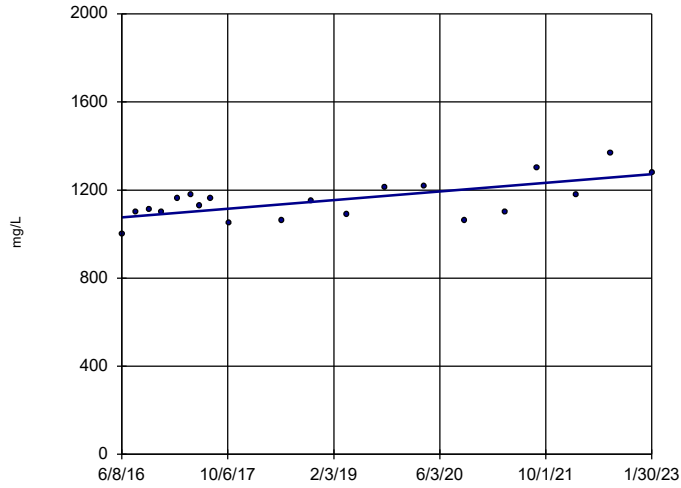


n = 20
 Slope = 22.88 units per year.
 Mann-Kendall statistic = 86
 critical = 81
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-20

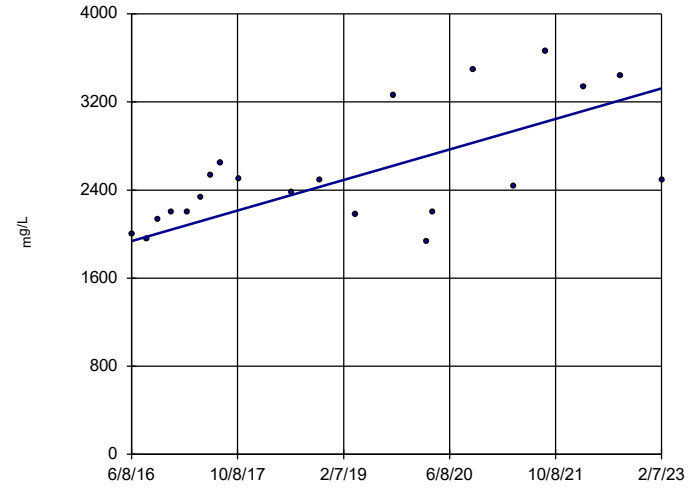


n = 20
 Slope = 29.53
 units per year.
 Mann-Kendall
 statistic = 78
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

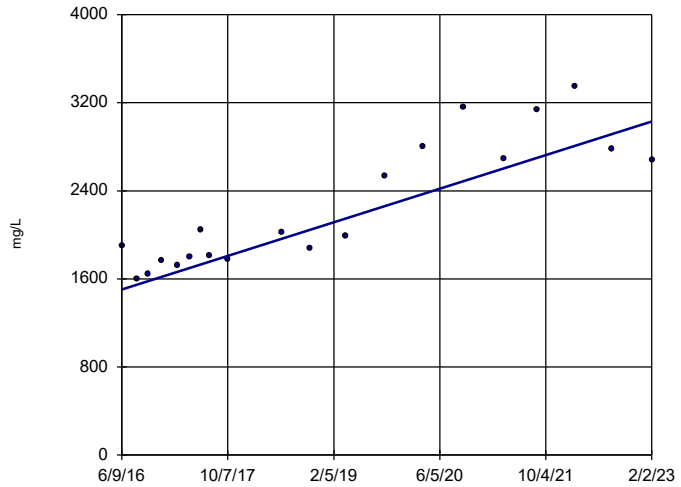


n = 21
 Slope = 207.9
 units per year.
 Mann-Kendall
 statistic = 96
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-23

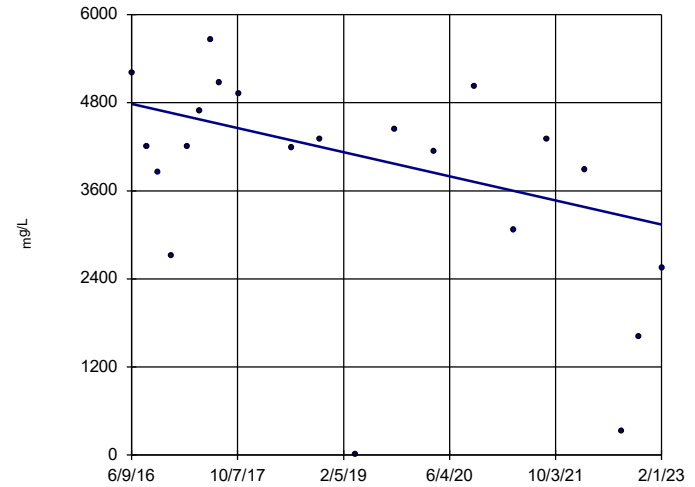


n = 20
 Slope = 229.6
 units per year.
 Mann-Kendall
 statistic = 128
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-24

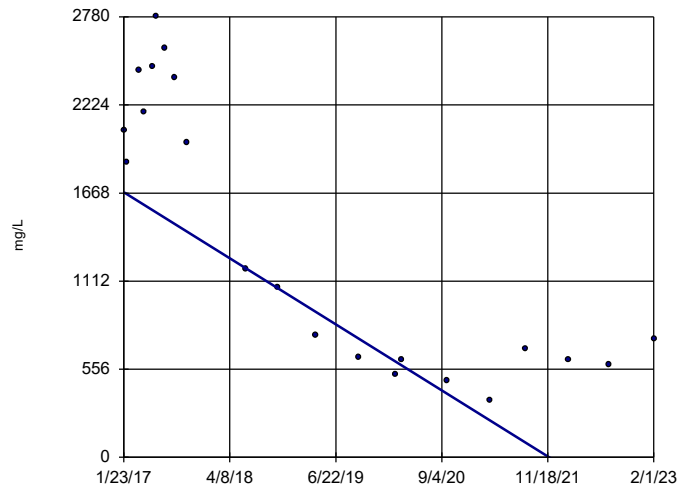


n = 21
 Slope = -247.1
 units per year.
 Mann-Kendall
 statistic = -68
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-30

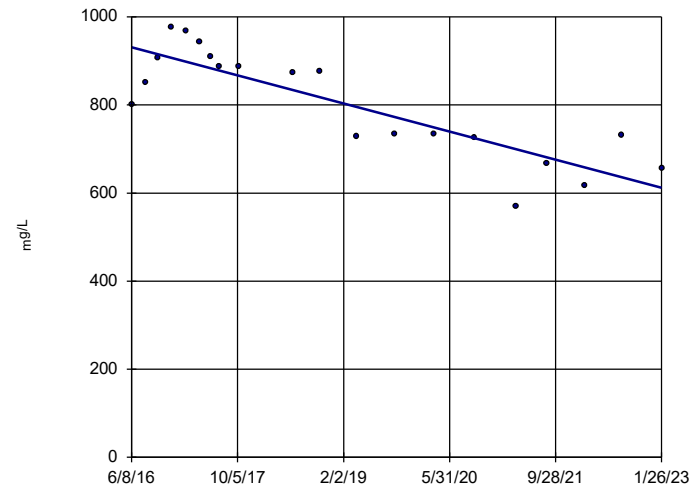


n = 21
Slope = -346.1
units per year.
Mann-Kendall
statistic = -124
critical = -87
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-7



n = 20
Slope = -48
units per year.
Mann-Kendall
statistic = -118
critical = -81
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids Analysis Run 4/6/2023 1:38 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE F.

Upper Tolerance Limits Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 12:53 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.0042	n/a	n/a	n/a	n/a	75	60	n/a	0.02134	NP Inter(NDs)
Arsenic (mg/L)	0.01	n/a	n/a	n/a	n/a	85	51.76	n/a	0.01278	NP Inter(NDs)
Barium (mg/L)	0.218	n/a	n/a	n/a	n/a	85	0	n/a	0.01278	NP Inter(normality)
Beryllium (mg/L)	0.0005	n/a	n/a	n/a	n/a	81	98.77	n/a	0.01569	NP Inter(NDs)
Cadmium (mg/L)	0.0005	n/a	n/a	n/a	n/a	85	97.65	n/a	0.01278	NP Inter(NDs)
Chromium (mg/L)	0.005	n/a	n/a	n/a	n/a	81	61.73	n/a	0.01569	NP Inter(NDs)
Cobalt (mg/L)	0.005	n/a	n/a	n/a	n/a	86	90.7	n/a	0.01214	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.666	n/a	n/a	n/a	n/a	84	0	No	0.05	Inter
Fluoride (mg/L)	0.57	n/a	n/a	n/a	n/a	88	46.59	n/a	0.01096	NP Inter(normality)
Lead (mg/L)	0.0024	n/a	n/a	n/a	n/a	81	66.67	n/a	0.01569	NP Inter(NDs)
Lithium (mg/L)	0.03	n/a	n/a	n/a	n/a	85	82.35	n/a	0.01278	NP Inter(NDs)
Mercury (mg/L)	0.00022	n/a	n/a	n/a	n/a	81	90.12	n/a	0.01569	NP Inter(NDs)
Molybdenum (mg/L)	0.034	n/a	n/a	n/a	n/a	87	54.02	n/a	0.01153	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	n/a	n/a	81	86.42	n/a	0.01569	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	n/a	85	84.71	n/a	0.01278	NP Inter(NDs)

FIGURE G.

BOWEN ASH POND 1 GWPS				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.01	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.005	0.1
Cobalt, Total (mg/L)		0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.67	5
Fluoride, Total (mg/L)	4		0.57	4
Lead, Total (mg/L)		0.015	0.0024	0.015
Lithium, Total (mg/L)		0.04	0.03	0.04
Mercury, Total (mg/L)	0.002		0.00022	0.002
Molybdenum, Total (mg/L)		0.1	0.034	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

FIGURE H.

Confidence Intervals - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	BGWC-34D	0.01823	0.01506	0.01	Yes	14	0.01664	0.00224	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-22	0.02634	0.01665	0.006	Yes	26	0.0215	0.009947	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2083	0.1337	0.1	Yes	10	0.171	0.04175	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BGWA-6	0.003	0.0017	0.006	No	17	0.002924	0.0003153	94.12	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-10	0.003	0.0022	0.006	No	19	0.002832	0.0004191	84.21	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-14A	0.003	0.00061	0.006	No	14	0.002636	0.0009262	85.71	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-16	0.003	0.0004	0.006	No	19	0.002863	0.0005965	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-17	0.003	0.0002	0.006	No	19	0.002853	0.0006424	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-19	0.003	0.0005	0.006	No	19	0.002868	0.0005735	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-20	0.003	0.0014	0.006	No	19	0.002784	0.0006635	89.47	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-21	0.003	0.0017	0.006	No	18	0.002839	0.0004717	88.89	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-22	0.003	0.0023	0.006	No	19	0.002773	0.0006547	84.21	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-23	0.003	0.0014	0.006	No	19	0.002697	0.001399	63.16	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-24	0.0032	0.0028	0.006	No	19	0.002823	0.0009442	73.68	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-25	0.003	0.0013	0.006	No	19	0.002911	0.00039	94.74	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-31	0.003	0.00038	0.006	No	9	0.002709	0.0008733	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-32	0.003	0.00036	0.006	No	9	0.002417	0.001158	77.78	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-34D	0.003	0.00049	0.006	No	9	0.002476	0.001043	77.78	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-35D	0.003	0.00064	0.006	No	9	0.002478	0.001036	77.78	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-36D	0.003	0.00096	0.006	No	9	0.002773	0.00068	88.89	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-37D	0.003	0.00041	0.006	No	9	0.002623	0.0008711	77.78	None	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-38D	0.00481	0.0003097	0.006	No	9	0.00306	0.003251	22.22	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-40	0.003	0.0005	0.006	No	9	0.002722	0.0008333	88.89	Kaplan-Meier	No	0.002	NP (NDs)
Antimony (mg/L)	BGWC-41D	0.003	0.0014	0.006	No	7	0.002543	0.0007807	71.43	Kaplan-Meier	No	0.008	NP (NDs)
Antimony (mg/L)	BGWC-42D	0.003	0.00072	0.006	No	7	0.00205	0.001001	42.86	None	No	0.008	NP (normality)
Antimony (mg/L)	BGWC-43D	0.003	0.00058	0.006	No	7	0.002356	0.001104	71.43	None	No	0.008	NP (NDs)
Antimony (mg/L)	BGWC-44D	0.005111	0.0008384	0.006	No	7	0.003186	0.002664	28.57	Kaplan-Meier	x^(1/3)	0.01	Param.
Antimony (mg/L)	BGWC-49D	0.003	0.00039	0.006	No	5	0.002478	0.001167	80	None	No	0.031	NP (NDs)
Antimony (mg/L)	BGWC-50D	0.003	0.0017	0.006	No	5	0.00252	0.0006611	60	None	No	0.031	NP (NDs)
Antimony (mg/L)	BGWC-51	0.003	0.0019	0.006	No	7	0.002843	0.0004158	85.71	None	No	0.008	NP (NDs)
Antimony (mg/L)	BGWC-52	0.003	0.00053	0.006	No	7	0.002183	0.0011	57.14	None	No	0.008	NP (NDs)
Antimony (mg/L)	BGWC-7	0.003	0.0016	0.006	No	19	0.002574	0.0008912	78.95	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-8	0.003	0.00059	0.006	No	19	0.002603	0.0009434	84.21	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-9	0.003	0.0014	0.006	No	18	0.002491	0.001003	77.78	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWA-6	0.005	0.0012	0.01	No	20	0.003623	0.001945	65	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-10	0.007246	0.005441	0.01	No	23	0.006343	0.001725	4.348	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-12	0.005	0.0009	0.01	No	23	0.002741	0.002011	39.13	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-14A	0.005	0.002	0.01	No	14	0.004107	0.001559	71.43	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-16	0.005	0.0008	0.01	No	23	0.003356	0.002107	60.87	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-17	0.005	0.0012	0.01	No	23	0.003596	0.001984	65.22	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-18	0.005	0.0013	0.01	No	23	0.003578	0.00202	65.22	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-19	0.005	0.0008	0.01	No	23	0.003207	0.002122	56.52	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-20	0.005	0.0015	0.01	No	23	0.003018	0.001853	43.48	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-21	0.005	0.0011	0.01	No	22	0.003064	0.002021	50	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-22	0.003101	0.001912	0.01	No	23	0.002596	0.001272	8.696	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-23	0.003944	0.001858	0.01	No	23	0.003143	0.002379	4.348	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-24	0.005353	0.002957	0.01	No	24	0.004392	0.002594	12.5	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-25	0.002952	0.002107	0.01	No	23	0.002574	0.0008838	8.696	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-30	0.005	0.001	0.01	No	23	0.002827	0.001865	34.78	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-31	0.005505	0.003779	0.01	No	12	0.004642	0.0011	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-32	0.003099	0.001098	0.01	No	12	0.002594	0.001646	16.67	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-34D	0.01823	0.01506	0.01	Yes	14	0.01664	0.00224	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-35D	0.004021	0.001406	0.01	No	12	0.002713	0.001666	8.333	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-36D	0.005	0.00064	0.01	No	12	0.002909	0.001988	41.67	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-37D	0.03066	0.008987	0.01	No	9	0.01982	0.01122	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-38D	0.003722	0.001285	0.01	No	9	0.0032	0.001584	22.22	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-39	0.0055	0.00055	0.01	No	9	0.00405	0.001681	33.33	None	No	0.002	NP (selected)
Arsenic (mg/L)	BGWC-40	0.002773	0.0009041	0.01	No	9	0.002892	0.001789	33.33	Kaplan-Meier	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	BGWC-41D	0.006917	0.0006886	0.01	No	7	0.003803	0.002622	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-42D	0.009044	0.001985	0.01	No	7	0.005514	0.002971	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-43D	0.00437	0.0005705	0.01	No	7	0.00247	0.001599	14.29	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-44D	0.006842	0.002272	0.01	No	7	0.004557	0.001923	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-49D	0.009256	0.001104	0.01	No	5	0.00518	0.002432	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-50D	0.003843	0.001557	0.01	No	5	0.00316	0.001234	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-51	0.005738	0.001433	0.01	No	7	0.0044	0.001688	42.86	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-52	0.005	0.00099	0.01	No	7	0.003113	0.00187	42.86	None	No	0.008	NP (normality)
Arsenic (mg/L)	BGWC-7	0.002759	0.002015	0.01	No	23	0.002387	0.0007111	8.696	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-8	0.005	0.00065	0.01	No	23	0.002607	0.002162	43.48	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-9	0.002812	0.002142	0.01	No	22	0.002477	0.0006241	13.64	None	No	0.01	Param.
Barium (mg/L)	BGWA-6	0.016	0.0115	2	No	20	0.02022	0.0162	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-10	0.05829	0.04536	2	No	23	0.05183	0.01236	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-12	0.03823	0.03093	2	No	23	0.03458	0.006984	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-14A	0.04129	0.03114	2	No	14	0.03621	0.00717	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-16	0.03047	0.02759	2	No	23	0.02903	0.002754	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-17	0.01819	0.01561	2	No	23	0.01703	0.002631	0	None	ln(x)	0.01	Param.
Barium (mg/L)	BGWC-18	0.03502	0.03036	2	No	23	0.03269	0.004459	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-19	0.03795	0.0311	2	No	23	0.03452	0.006549	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-20	0.03415	0.03106	2	No	23	0.03261	0.002954	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-21	0.04263	0.03153	2	No	22	0.03708	0.01034	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-22	0.09012	0.07881	2	No	23	0.08447	0.01081	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-23	0.11	0.085	2	No	23	0.09833	0.01418	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-24	0.1058	0.0752	2	No	24	0.09048	0.02994	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-25	0.02423	0.01793	2	No	23	0.02172	0.006701	0	None	ln(x)	0.01	Param.
Barium (mg/L)	BGWC-30	0.191	0.072	2	No	23	0.1171	0.05925	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-31	0.04404	0.03547	2	No	12	0.03983	0.005734	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-32	0.1198	0.09157	2	No	12	0.106	0.01865	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-34D	0.0506	0.03823	2	No	12	0.04442	0.007879	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-35D	0.09661	0.06506	2	No	12	0.08083	0.02011	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-36D	0.084	0.062	2	No	12	0.07142	0.01406	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-37D	0.12	0.087	2	No	9	0.09522	0.01054	0	None	No	0.002	NP (normality)
Barium (mg/L)	BGWC-38D	0.1924	0.09602	2	No	9	0.1442	0.04992	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-39	0.07771	0.04473	2	No	9	0.06122	0.01708	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-40	0.05717	0.04573	2	No	9	0.05144	0.006044	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-41D	0.06801	0.04942	2	No	7	0.05871	0.007825	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-42D	0.1373	0.07101	2	No	7	0.1041	0.0279	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-43D	0.0789	0.06025	2	No	7	0.06957	0.00785	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-44D	0.02676	0.01581	2	No	7	0.02129	0.004608	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-49D	0.09839	0.04761	2	No	5	0.073	0.01515	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-50D	0.07166	0.01954	2	No	5	0.0456	0.01555	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-51	0.061	0.0081	2	No	7	0.0343	0.02326	0	None	No	0.008	NP (selected)
Barium (mg/L)	BGWC-52	0.09236	0.02192	2	No	7	0.05714	0.02965	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-7	0.03856	0.03274	2	No	23	0.03565	0.005559	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-8	0.03045	0.02718	2	No	23	0.02812	0.005484	0	None	x^3	0.01	Param.
Barium (mg/L)	BGWC-9	0.03147	0.0274	2	No	22	0.02944	0.003795	0	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-12	0.0005	0.000076	0.004	No	21	0.0004582	0.0001321	90.48	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-16	0.003	0.00012	0.004	No	21	0.001354	0.001461	42.86	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-17	0.0005	0.000065	0.004	No	21	0.0004161	0.0001773	80.95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-18	0.0005	0.000076	0.004	No	21	0.000339	0.0002106	61.9	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-19	0.0005	0.00008	0.004	No	21	0.0003378	0.0002122	61.9	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-22	0.003	0.00011	0.004	No	21	0.001348	0.001466	42.86	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-23	0.0005	0.000054	0.004	No	21	0.0004788	0.00009733	95.24	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-24	0.0005	0.00018	0.004	No	22	0.000367	0.0001707	59.09	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-36D	0.0005	0.0005	0.004	No	11	0.0004609	0.0001296	90.91	None	No	0.006	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	BGWC-38D	0.0005	0.000054	0.004	No	9	0.0002609	0.0002271	44.44	None	No	0.002	NP (normality)
Beryllium (mg/L)	BGWC-39	0.0005	0.000079	0.004	No	9	0.0004532	0.0001403	88.89	None	No	0.002	NP (NDs)
Beryllium (mg/L)	BGWC-51	0.0002166	0.00004768	0.004	No	7	0.0001321	0.00007111	14.29	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-52	0.0005	0.000052	0.004	No	7	0.000436	0.0001693	85.71	None	No	0.008	NP (NDs)
Cadmium (mg/L)	BGWC-14A	0.0005	0.00017	0.005	No	14	0.0003336	0.0001609	42.86	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-16	0.001721	0.001331	0.005	No	23	0.001526	0.0003732	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-17	0.0005	0.00015	0.005	No	23	0.0003113	0.0001748	43.48	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-18	0.0006	0.0003	0.005	No	23	0.0004284	0.0001757	52.17	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-19	0.0005	0.0002	0.005	No	23	0.0004522	0.0001275	86.96	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-20	0.0005	0.00008	0.005	No	23	0.0004817	0.00008758	95.65	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-22	0.0005	0.00033	0.005	No	23	0.000437	0.0001858	65.22	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-23	0.0005	0.00019	0.005	No	23	0.0004865	0.00006464	95.65	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-24	0.00552	0.003054	0.005	No	24	0.004287	0.002416	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-30	0.0005	0.0003	0.005	No	23	0.0004208	0.0001337	56.52	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-38D	0.00081	0.00032	0.005	No	9	0.0005144	0.0001258	77.78	None	No	0.002	NP (NDs)
Cadmium (mg/L)	BGWC-39	0.0005	0.00012	0.005	No	9	0.0003278	0.0001716	44.44	None	No	0.002	NP (normality)
Cadmium (mg/L)	BGWC-43D	0.001321	0.00001887	0.005	No	7	0.00067	0.0005482	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-51	0.0005582	0.0002418	0.005	No	7	0.0004814	0.000118	42.86	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	BGWC-52	0.0005	0.00018	0.005	No	7	0.0003729	0.0001603	57.14	Kaplan-Meier	No	0.008	NP (NDs)
Chromium (mg/L)	BGWA-6	0.005	0.0044	0.1	No	19	0.004784	0.0008071	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-10	0.005	0.0011	0.1	No	21	0.004814	0.000851	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-12	0.005	0.00079	0.1	No	21	0.003782	0.001992	71.43	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-14A	0.026	0.0014	0.1	No	14	0.006243	0.005767	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-16	0.005	0.0019	0.1	No	21	0.004648	0.001127	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-17	0.005	0.00044	0.1	No	21	0.004563	0.001379	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-18	0.005	0.0011	0.1	No	21	0.004391	0.001532	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-20	0.005	0.0011	0.1	No	21	0.003782	0.001798	61.9	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-21	0.005	0.0025	0.1	No	20	0.004645	0.001143	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-23	0.005	0.0033	0.1	No	21	0.004181	0.00159	76.19	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-24	0.005	0.0009	0.1	No	22	0.004409	0.001525	86.36	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-25	0.005	0.0021	0.1	No	21	0.004862	0.0006328	95.24	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-30	0.005	0.00082	0.1	No	21	0.002443	0.002068	38.1	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-31	0.005	0.00064	0.1	No	11	0.003845	0.001982	72.73	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-32	0.005	0.00062	0.1	No	11	0.003401	0.002096	54.55	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-35D	0.005	0.00072	0.1	No	11	0.003863	0.001951	72.73	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-36D	0.005	0.00057	0.1	No	11	0.003431	0.00218	63.64	None	No	0.006	NP (NDs)
Chromium (mg/L)	BGWC-37D	0.005	0.00068	0.1	No	9	0.00404	0.001905	77.78	None	No	0.002	NP (NDs)
Chromium (mg/L)	BGWC-38D	0.005	0.00042	0.1	No	9	0.00428	0.001578	77.78	None	No	0.002	NP (NDs)
Chromium (mg/L)	BGWC-39	0.005	0.001	0.1	No	9	0.004556	0.001333	88.89	None	No	0.002	NP (NDs)
Chromium (mg/L)	BGWC-40	0.005	0.00043	0.1	No	9	0.002638	0.002248	33.33	None	No	0.002	NP (normality)
Chromium (mg/L)	BGWC-41D	0.005	0.00068	0.1	No	7	0.004383	0.001633	85.71	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-42D	0.005	0.00062	0.1	No	7	0.003817	0.002025	71.43	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-43D	0.005	0.0024	0.1	No	7	0.004629	0.0009827	85.71	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-44D	0.005	0.00093	0.1	No	7	0.003481	0.001965	57.14	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-49D	0.005	0.00071	0.1	No	5	0.004142	0.001919	80	None	No	0.031	NP (NDs)
Chromium (mg/L)	BGWC-51	0.005	0.0006	0.1	No	7	0.004371	0.001663	85.71	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-52	0.005	0.00061	0.1	No	7	0.003359	0.002068	57.14	None	No	0.008	NP (NDs)
Chromium (mg/L)	BGWC-7	0.005	0.00095	0.1	No	21	0.004386	0.001542	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-8	0.005	0.0011	0.1	No	21	0.005229	0.01336	23.81	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-9	0.005	0.0021	0.1	No	20	0.004705	0.0009081	90	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWA-6	0.005	0.00052	0.006	No	20	0.003007	0.002267	55	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-10	0.005	0.00052	0.006	No	23	0.003419	0.002214	65.22	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-12	0.005	0.00045	0.006	No	23	0.002645	0.002308	47.83	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-14A	0.002579	0.001178	0.006	No	14	0.002822	0.001651	28.57	Kaplan-Meier	No	0.01	Param.
Cobalt (mg/L)	BGWC-16	0.008215	0.00562	0.006	No	23	0.006917	0.00248	4.348	None	No	0.01	Param.

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Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	BGWC-17	0.005	0.00015	0.006	No	23	0.004789	0.001011	95.65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-18	0.005	0.0009	0.006	No	23	0.004036	0.001874	78.26	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-19	0.005	0.000072	0.006	No	23	0.004786	0.001028	95.65	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-20	0.005	0.0008	0.006	No	23	0.004409	0.001564	86.96	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-21	0.005	0.0006	0.006	No	22	0.002649	0.002089	40.91	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-22	0.02634	0.01665	0.006	Yes	26	0.0215	0.009947	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-23	0.005	0.0015	0.006	No	25	0.003768	0.002027	72	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-24	0.004009	0.002914	0.006	No	26	0.003462	0.001123	11.54	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-25	0.005	0.0006	0.006	No	23	0.004601	0.001324	91.3	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-30	0.005	0.0009	0.006	No	25	0.003365	0.002063	60	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-31	0.005	0.00036	0.006	No	12	0.002737	0.002367	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-32	0.007392	0.002601	0.006	No	14	0.004996	0.003382	7.143	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-34D	0.0009685	0.0004919	0.006	No	12	0.001513	0.001662	16.67	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-35D	0.00304	0.0009399	0.006	No	12	0.00199	0.001338	8.333	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-36D	0.005	0.00049	0.006	No	12	0.002835	0.002269	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-37D	0.001437	0.000643	0.006	No	9	0.001971	0.001764	22.22	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-38D	0.006358	0.001386	0.006	No	10	0.00402	0.003879	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	BGWC-39	0.005	0.00061	0.006	No	10	0.003938	0.001868	70	None	No	0.011	NP (NDs)
Cobalt (mg/L)	BGWC-40	0.0005786	0.000448	0.006	No	9	0.0005133	0.00006764	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-41D	0.005	0.0004	0.006	No	7	0.001827	0.002171	28.57	None	No	0.008	NP (normality)
Cobalt (mg/L)	BGWC-43D	0.00558	0.00207	0.006	No	8	0.003825	0.001656	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-49D	0.001061	0.0006231	0.006	No	5	0.000842	0.0001307	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-50D	0.001709	0.0003195	0.006	No	5	0.001014	0.0004145	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-52	0.00495	0.0009244	0.006	No	7	0.002937	0.001695	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-7	0.00091	0.00068	0.006	No	23	0.002355	0.003588	17.39	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-8	0.005	0.0012	0.006	No	23	0.004204	0.001785	82.61	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-9	0.005	0.0006	0.006	No	22	0.00437	0.001624	86.36	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	BGWA-6	0.7492	0.3605	5	No	20	0.5549	0.3423	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-10	1.513	1.011	5	No	23	1.262	0.4805	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-12	0.7372	0.3589	5	No	23	0.548	0.3617	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-14A	1.318	0.6204	5	No	14	0.9691	0.4922	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-16	1.2	0.7277	5	No	23	0.9637	0.4512	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-17	0.8416	0.4729	5	No	23	0.6573	0.3524	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-18	1.06	0.6051	5	No	23	0.8722	0.491	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-19	1.116	0.6797	5	No	23	0.8978	0.417	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-20	1.403	0.9015	5	No	23	1.152	0.4795	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-21	0.8231	0.4825	5	No	22	0.6528	0.3173	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-22	2.849	1.985	5	No	23	2.417	0.8258	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-23	1.836	1.109	5	No	23	1.472	0.6943	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-24	3.385	1.878	5	No	23	3.03	2.606	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-25	0.9278	0.5323	5	No	23	0.73	0.3781	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-30	2.11	1.174	5	No	22	1.642	0.8713	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-31	1.773	1.06	5	No	12	1.416	0.4543	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-32	2.094	1.229	5	No	12	1.661	0.5512	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-34D	2.849	1.763	5	No	12	2.306	0.6916	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-35D	3.024	1.971	5	No	12	2.498	0.6716	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-36D	2.262	1.281	5	No	12	1.771	0.6256	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-37D	3.194	2.211	5	No	9	2.702	0.509	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-38D	5.638	3.335	5	No	9	4.487	1.193	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-39	1.491	0.53	5	No	9	1.01	0.4977	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-40	0.9615	0.352	5	No	9	0.6568	0.3157	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-41D	1.8	0.7978	5	No	7	1.299	0.422	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-42D	1.137	0.3852	5	No	7	0.7417	0.3463	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-43D	2.031	1.012	5	No	6	1.522	0.371	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-44D	1.387	0.5212	5	No	7	0.9543	0.3646	0	None	No	0.01	Param.

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Combined Radium 226 + 228 (pCi/L)	BGWC-49D	3.744	1.236	5	No	5	2.49	0.7484	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-50D	1.479	0.5164	5	No	5	0.9976	0.2872	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-51	0.7756	0.447	5	No	7	0.6113	0.1383	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-52	1.559	0.2766	5	No	7	0.918	0.54	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-7	1.661	1.227	5	No	23	1.444	0.4149	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-8	0.7961	0.408	5	No	23	0.602	0.371	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-9	0.9806	0.4849	5	No	22	0.7827	0.5275	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BGWA-6	0.1	0.06	4	No	21	0.08514	0.02695	61.9	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-10	0.108	0.05591	4	No	24	0.1078	0.06778	37.5	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-12	0.12	0.08	4	No	24	0.1032	0.06057	41.67	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-14A	0.1	0.061	4	No	14	0.08564	0.01915	57.14	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-16	0.1444	0.06181	4	No	24	0.1332	0.1102	25	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-17	0.19	0.11	4	No	24	0.1874	0.1363	4.167	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-18	0.14	0.06	4	No	24	0.1233	0.09708	33.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-19	0.11	0.071	4	No	24	0.1155	0.1092	33.33	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-20	0.1	0.062	4	No	24	0.1167	0.13	45.83	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-21	0.1	0.066	4	No	23	0.08513	0.02567	56.52	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-22	0.34	0.23	4	No	27	0.37	0.2768	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-23	0.1	0.068	4	No	26	0.1625	0.2063	19.23	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-24	1.2	0.064	4	No	27	0.7602	1.062	7.407	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-25	0.08958	0.0544	4	No	24	0.09038	0.03108	45.83	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-30	0.32	0.09	4	No	26	0.2036	0.1979	19.23	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-32	0.65	0.13	4	No	14	0.3191	0.3472	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-34D	0.1	0.053	4	No	12	0.08733	0.02357	75	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-35D	0.26	0.13	4	No	12	0.2442	0.2143	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-36D	0.26	0.11	4	No	12	0.1642	0.09587	8.333	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-37D	0.4241	0.1537	4	No	9	0.2889	0.14	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-38D	0.6309	0.3011	4	No	10	0.466	0.1848	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-39	0.1398	0.065	4	No	10	0.1024	0.04192	10	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-40	0.09728	0.06132	4	No	10	0.0872	0.02167	30	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-41D	0.1051	0.06444	4	No	8	0.08475	0.01916	12.5	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-42D	0.6793	0.4341	4	No	9	0.5567	0.127	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-43D	1.085	0.8349	4	No	10	0.96	0.1402	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-44D	0.28	0.088	4	No	8	0.1298	0.06455	50	None	No	0.004	NP (normality)
Fluoride (mg/L)	BGWC-49D	0.1002	0.05114	4	No	5	0.0854	0.01839	40	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-50D	0.1578	0.04901	4	No	5	0.1076	0.03389	20	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-51	0.1685	0.0861	4	No	7	0.1273	0.03467	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-52	0.1391	0.07971	4	No	7	0.1094	0.02502	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-7	0.1789	0.125	4	No	24	0.152	0.05276	4.167	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-8	0.1	0.063	4	No	24	0.07963	0.0295	58.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-9	0.1986	0.1004	4	No	23	0.1778	0.1423	0	None	ln(x)	0.01	Param.
Lead (mg/L)	BGWA-6	0.001	0.00016	0.015	No	19	0.0008079	0.0003826	78.95	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-10	0.001	0.00019	0.015	No	21	0.0009205	0.0002513	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-12	0.001	0.00013	0.015	No	21	0.0006975	0.0004102	61.9	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-14A	0.001	0.000073	0.015	No	14	0.0007358	0.0004337	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-16	0.001	0.00014	0.015	No	21	0.0006824	0.0004178	61.9	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-17	0.001	0.000079	0.015	No	21	0.0009561	0.000201	95.24	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-18	0.001	0.0001	0.015	No	21	0.0007034	0.0004304	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-19	0.001	0.0006	0.015	No	21	0.0009351	0.0002233	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-20	0.001	0.0001	0.015	No	21	0.0009135	0.0002733	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-21	0.001	0.000073	0.015	No	20	0.0006743	0.0004556	65	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-22	0.001	0.00033	0.015	No	21	0.000795	0.0003791	76.19	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-23	0.001	0.00031	0.015	No	21	0.0009262	0.0002347	90.48	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-24	0.001	0.00059	0.015	No	22	0.0007695	0.0003993	72.73	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-25	0.001	0.0002	0.015	No	21	0.0007155	0.0003931	61.9	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	BGWC-30	0.001	0.00016	0.015	No	21	0.000609	0.0004243	52.38	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-31	0.0007551	0.0002285	0.015	No	11	0.000706	0.0003806	36.36	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-32	0.001	0.00011	0.015	No	11	0.0008347	0.0003678	81.82	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-34D	0.001	0.001	0.015	No	11	0.000914	0.0002852	90.91	Kaplan-Meier	No	0.006	NP (NDs)
Lead (mg/L)	BGWC-35D	0.001	0.00011	0.015	No	11	0.0005645	0.0004239	45.45	None	No	0.006	NP (normality)
Lead (mg/L)	BGWC-36D	0.001	0.00014	0.015	No	11	0.0006291	0.0003892	45.45	None	No	0.006	NP (normality)
Lead (mg/L)	BGWC-37D	0.001	0.000073	0.015	No	9	0.0006172	0.0004582	55.56	None	No	0.002	NP (NDs)
Lead (mg/L)	BGWC-38D	0.001	0.00016	0.015	No	9	0.0007367	0.0003957	66.67	None	No	0.002	NP (NDs)
Lead (mg/L)	BGWC-39	0.001	0.0001	0.015	No	9	0.0009	0.0003	88.89	None	No	0.002	NP (NDs)
Lead (mg/L)	BGWC-40	0.001	0.00014	0.015	No	9	0.0005411	0.0004363	44.44	None	No	0.002	NP (normality)
Lead (mg/L)	BGWC-41D	0.001	0.000036	0.015	No	7	0.0008623	0.0003644	85.71	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-42D	0.001	0.000041	0.015	No	7	0.0007264	0.0004672	71.43	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-43D	0.001	0.00012	0.015	No	7	0.0008743	0.0003326	85.71	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-44D	0.001	0.00017	0.015	No	7	0.0008814	0.0003137	85.71	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-49D	0.001	0.000044	0.015	No	5	0.0008088	0.0004275	80	None	No	0.031	NP (NDs)
Lead (mg/L)	BGWC-50D	0.001	0.00014	0.015	No	5	0.000828	0.0003846	80	None	No	0.031	NP (NDs)
Lead (mg/L)	BGWC-51	0.001	0.00015	0.015	No	7	0.0006471	0.0004406	57.14	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-52	0.001	0.000054	0.015	No	7	0.0006091	0.0004878	57.14	None	No	0.008	NP (NDs)
Lead (mg/L)	BGWC-8	0.001	0.0003	0.015	No	21	0.0008424	0.0003347	80.95	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-9	0.001	0.000092	0.015	No	20	0.0006134	0.000448	55	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWA-6	0.03	0.00082	0.04	No	20	0.02854	0.006525	95	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-10	0.03	0.00093	0.04	No	23	0.01019	0.01345	30.43	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-12	0.03	0.0011	0.04	No	23	0.01492	0.01476	47.83	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-14A	0.03	0.00087	0.04	No	14	0.01545	0.01509	50	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-16	0.03	0.00049	0.04	No	23	0.02872	0.006153	95.65	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-17	0.03	0.00069	0.04	No	23	0.02873	0.006112	95.65	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-20	0.02891	0.01895	0.04	No	23	0.02458	0.01063	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-22	0.02858	0.01833	0.04	No	23	0.02345	0.0098	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-23	0.02596	0.01465	0.04	No	23	0.0203	0.0108	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-24	0.0082	0.006	0.04	No	24	0.007767	0.002991	12.5	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-30	0.0171	0.0014	0.04	No	23	0.008563	0.007819	4.348	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-34D	0.03	0.00098	0.04	No	12	0.02514	0.01135	83.33	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-35D	0.01734	0.01016	0.04	No	12	0.01375	0.004578	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-36D	0.0044	0.0011	0.04	No	12	0.003083	0.003866	8.333	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-37D	0.02665	0.001905	0.04	No	8	0.01349	0.01444	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-38D	0.01631	0.004666	0.04	No	9	0.01049	0.006031	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-39	0.005259	0.003037	0.04	No	9	0.004144	0.001217	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-40	0.03	0.00079	0.04	No	8	0.01544	0.01557	50	None	No	0.004	NP (normality)
Lithium (mg/L)	BGWC-41D	0.002305	0.001243	0.04	No	7	0.001774	0.0004472	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-42D	0.03	0.0012	0.04	No	6	0.01107	0.01467	33.33	None	No	0.0155	NP (normality)
Lithium (mg/L)	BGWC-43D	0.03001	0.01913	0.04	No	7	0.02457	0.004577	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-44D	0.004115	0.002171	0.04	No	7	0.003143	0.0008182	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-49D	0.01095	0.003371	0.04	No	5	0.00716	0.002261	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-50D	0.03	0.0019	0.04	No	5	0.02438	0.01257	80	None	No	0.031	NP (NDs)
Lithium (mg/L)	BGWC-51	0.03	0.0011	0.04	No	7	0.01397	0.01501	42.86	None	No	0.008	NP (normality)
Lithium (mg/L)	BGWC-52	0.0038	0.00088	0.04	No	7	0.002654	0.001299	0	None	No	0.008	NP (normality)
Lithium (mg/L)	BGWC-7	0.009394	0.007621	0.04	No	23	0.008565	0.001812	4.348	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-8	0.03	0.001	0.04	No	23	0.02874	0.006047	95.65	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-9	0.03	0.0013	0.04	No	22	0.01051	0.01363	31.82	None	No	0.01	NP (normality)
Mercury (mg/L)	BGWA-6	0.0002	0.000084	0.002	No	19	0.0001939	0.00002661	94.74	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-10	0.0002	0.00018	0.002	No	21	0.000187	0.00003872	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-12	0.0002	0.00013	0.002	No	21	0.0001851	0.00003901	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-14A	0.0002	0.00016	0.002	No	14	0.0001971	0.00001069	92.86	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-16	0.0002	0.00015	0.002	No	21	0.0001928	0.00002429	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-17	0.0002269	0.0001437	0.002	No	21	0.0002095	0.00006704	19.05	Kaplan-Meier	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	BGWC-18	0.0002	0.000079	0.002	No	21	0.0001942	0.0000264	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-19	0.0002	0.00018	0.002	No	21	0.0001862	0.0000408	85.71	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-20	0.0002	0.000066	0.002	No	21	0.0001936	0.00002924	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-21	0.00021	0.0002	0.002	No	20	0.0002005	0.000002236	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-22	0.0002	0.000092	0.002	No	21	0.0001873	0.00004078	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-23	0.0002	0.00005	0.002	No	21	0.0001854	0.00004603	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-24	0.0009046	0.0001292	0.002	No	22	0.001005	0.001449	18.18	Kaplan-Meier	x^(1/3)	0.01	Param.
Mercury (mg/L)	BGWC-25	0.0002	0.00015	0.002	No	21	0.0001903	0.0000346	90.48	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-30	0.0002	0.00008	0.002	No	21	0.0001529	0.00006321	61.9	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-31	0.0002	0.00015	0.002	No	11	0.00019	0.00002236	81.82	Kaplan-Meier	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-34D	0.0002	0.00016	0.002	No	11	0.0001909	0.00002071	81.82	Kaplan-Meier	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-35D	0.0002	0.00016	0.002	No	11	0.0001909	0.00002071	81.82	Kaplan-Meier	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-36D	0.0002	0.0002	0.002	No	11	0.0001982	0.00000603	90.91	None	No	0.006	NP (NDs)
Mercury (mg/L)	BGWC-38D	0.00028	0.0001	0.002	No	9	0.0001889	0.00005207	66.67	None	No	0.002	NP (NDs)
Mercury (mg/L)	BGWC-44D	0.0002	0.00017	0.002	No	7	0.0001957	0.00001134	85.71	None	No	0.008	NP (NDs)
Mercury (mg/L)	BGWC-51	0.0046	0.0001	0.002	No	7	0.001694	0.001734	14.29	None	No	0.008	NP (selected)
Mercury (mg/L)	BGWC-52	0.0002	0.00018	0.002	No	7	0.0001957	0.000007868	71.43	None	No	0.008	NP (NDs)
Mercury (mg/L)	BGWC-7	0.0002	0.000053	0.002	No	21	0.000193	0.00003208	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-8	0.0002	0.00016	0.002	No	21	0.0001932	0.0000237	90.48	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-9	0.0002	0.00016	0.002	No	20	0.0001885	0.000031	85	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWA-6	0.01	0.001	0.1	No	20	0.009063	0.002887	90	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-10	0.0036	0.0032	0.1	No	23	0.003526	0.0008291	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-14A	0.01	0.0012	0.1	No	14	0.003496	0.003625	21.43	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-19	0.01	0.00023	0.1	No	23	0.009575	0.002037	95.65	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-20	0.024	0.0127	0.1	No	23	0.01748	0.00666	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-21	0.002634	0.001646	0.1	No	22	0.0042	0.003352	22.73	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-22	0.0662	0.04	0.1	No	26	0.05164	0.01371	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-23	0.01262	0.01088	0.1	No	25	0.01163	0.001921	0	None	x^2	0.01	Param.
Molybdenum (mg/L)	BGWC-24	0.01	0.0024	0.1	No	26	0.006256	0.003986	50	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-25	0.01	0.0029	0.1	No	23	0.007542	0.003562	65.22	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-30	0.01214	0.005399	0.1	No	25	0.009736	0.007008	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-31	0.01	0.00033	0.1	No	12	0.009194	0.002791	91.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-32	0.003938	0.003201	0.1	No	13	0.003569	0.0004956	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-34D	0.0021	0.0009	0.1	No	12	0.001425	0.001173	8.333	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-35D	0.03637	0.02809	0.1	No	13	0.03223	0.00557	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-36D	0.01327	0.007733	0.1	No	13	0.0105	0.003722	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-37D	0.02067	0.009233	0.1	No	10	0.0154	0.009178	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-38D	0.1229	0.07105	0.1	No	11	0.097	0.03114	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-39	0.008128	0.003605	0.1	No	9	0.005867	0.002343	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-40	0.01	0.00069	0.1	No	9	0.007032	0.004455	66.67	None	No	0.002	NP (NDs)
Molybdenum (mg/L)	BGWC-41D	0.0134	0.006828	0.1	No	8	0.01011	0.003099	12.5	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-42D	0.01794	0.004527	0.1	No	9	0.01123	0.006946	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2083	0.1337	0.1	Yes	10	0.171	0.04175	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-44D	0.009976	0.001824	0.1	No	8	0.0059	0.003846	12.5	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-49D	0.007758	0.004642	0.1	No	5	0.0062	0.0009301	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-50D	0.006827	0.0008528	0.1	No	5	0.00384	0.001783	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-51	0.01	0.0027	0.1	No	7	0.008957	0.002759	85.71	None	No	0.008	NP (NDs)
Molybdenum (mg/L)	BGWC-52	0.0087	0.0035	0.1	No	7	0.004729	0.001845	0	None	No	0.008	NP (normality)
Molybdenum (mg/L)	BGWC-7	0.0117	0.0096	0.1	No	23	0.01035	0.002502	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-8	0.002333	0.001124	0.1	No	23	0.004152	0.003764	26.09	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-9	0.003284	0.002661	0.1	No	22	0.002973	0.00058	0	None	No	0.01	Param.
Selenium (mg/L)	BGWA-6	0.005	0.0032	0.05	No	19	0.004658	0.001131	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-12	0.005	0.0004	0.05	No	21	0.004781	0.001004	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-14A	0.005	0.0014	0.05	No	14	0.004743	0.0009621	92.86	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-16	0.005	0.0018	0.05	No	21	0.003662	0.001648	57.14	None	No	0.01	NP (NDs)

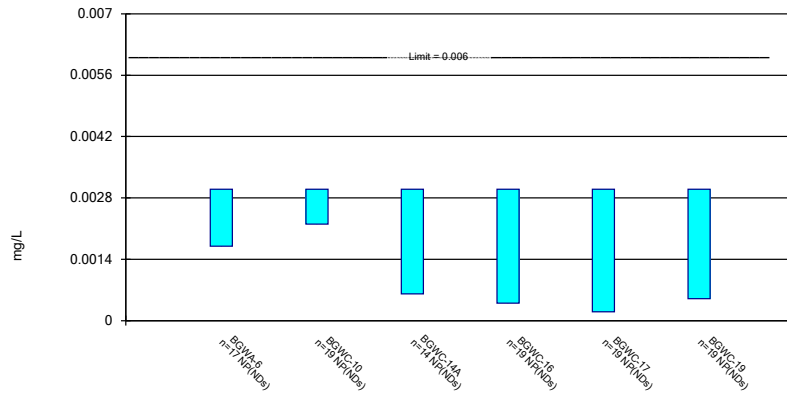
Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:47 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	BGWC-17	0.005	0.0022	0.05	No	21	0.00427	0.001571	80.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-18	0.005	0.0022	0.05	No	21	0.004676	0.00104	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-19	0.005	0.0013	0.05	No	21	0.004396	0.001524	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-20	0.005	0.0037	0.05	No	21	0.004938	0.0002837	95.24	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-21	0.005	0.001	0.05	No	20	0.004556	0.001374	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-22	0.012	0.0026	0.05	No	21	0.004905	0.001954	80.95	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-23	0.0176	0.002	0.05	No	21	0.00531	0.002961	85.71	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-24	0.009666	0.003907	0.05	No	22	0.008836	0.008694	13.64	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-30	0.009735	0.005951	0.05	No	21	0.007843	0.003429	9.524	None	No	0.01	Param.
Selenium (mg/L)	BGWC-31	0.005	0.005	0.05	No	11	0.004553	0.001483	90.91	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-32	0.005	0.005	0.05	No	11	0.004559	0.001462	90.91	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-34D	0.005	0.005	0.05	No	11	0.004555	0.001477	90.91	None	No	0.006	NP (NDs)
Selenium (mg/L)	BGWC-36D	0.01185	0.006025	0.05	No	11	0.008936	0.003493	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-38D	0.005	0.003	0.05	No	9	0.004778	0.0006667	77.78	None	No	0.002	NP (NDs)
Selenium (mg/L)	BGWC-39	0.005	0.002	0.05	No	9	0.004333	0.001323	77.78	None	No	0.002	NP (NDs)
Selenium (mg/L)	BGWC-40	0.00975	0.00485	0.05	No	9	0.007178	0.002958	0	None	x^2	0.01	Param.
Selenium (mg/L)	BGWC-41D	0.005	0.0016	0.05	No	7	0.003543	0.001817	57.14	None	No	0.008	NP (NDs)
Selenium (mg/L)	BGWC-42D	0.005	0.0022	0.05	No	7	0.004271	0.001253	71.43	None	No	0.008	NP (NDs)
Selenium (mg/L)	BGWC-43D	0.005	0.0028	0.05	No	7	0.004686	0.0008315	85.71	None	No	0.008	NP (NDs)
Selenium (mg/L)	BGWC-51	0.01441	0.003765	0.05	No	7	0.009086	0.004479	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-52	0.005	0.0016	0.05	No	7	0.004057	0.001611	71.43	None	No	0.008	NP (NDs)
Selenium (mg/L)	BGWC-8	0.005	0.00015	0.05	No	21	0.004533	0.001474	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-9	0.005	0.0014	0.05	No	20	0.003285	0.001973	55	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWA-6	0.001	0.000062	0.002	No	20	0.0005463	0.0004671	50	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-12	0.001	0.00009	0.002	No	23	0.0007992	0.0003896	78.26	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-14A	0.0004879	0.0002478	0.002	No	14	0.0003679	0.0001695	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-16	0.00024	0.0002	0.002	No	23	0.0002243	0.00003273	0	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-17	0.001	0.000085	0.002	No	23	0.0006113	0.000455	56.52	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-18	0.001	0.00019	0.002	No	23	0.000843	0.0003506	82.61	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-19	0.001	0.000085	0.002	No	23	0.000725	0.0004259	69.57	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-20	0.001	0.00025	0.002	No	23	0.0009326	0.0002234	91.3	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-22	0.0008169	0.0006265	0.002	No	23	0.0007217	0.000182	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-23	0.001	0.00038	0.002	No	23	0.000753	0.0003626	65.22	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-24	0.0005567	0.0004175	0.002	No	24	0.0004871	0.0001364	12.5	None	No	0.01	Param.
Thallium (mg/L)	BGWC-30	0.0004801	0.0002308	0.002	No	23	0.0006216	0.0003246	26.09	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	BGWC-32	0.001	0.00013	0.002	No	12	0.0004528	0.0004146	33.33	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-34D	0.001	0.000089	0.002	No	12	0.0009241	0.000263	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-35D	0.001	0.00016	0.002	No	12	0.0007257	0.0004076	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-36D	0.0003065	0.0001556	0.002	No	12	0.0002342	0.0001064	8.333	None	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-38D	0.0027	0.000056	0.002	No	9	0.0009284	0.0007701	55.56	None	No	0.002	NP (NDs)
Thallium (mg/L)	BGWC-39	0.001	0.00013	0.002	No	9	0.0004667	0.0004022	33.33	None	No	0.002	NP (normality)
Thallium (mg/L)	BGWC-40	0.001	0.00014	0.002	No	9	0.0009044	0.0002867	88.89	None	No	0.002	NP (NDs)
Thallium (mg/L)	BGWC-43D	0.003229	0.001228	0.002	No	7	0.002229	0.000842	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-51	0.001	0.0002	0.002	No	7	0.0008	0.0003464	71.43	None	No	0.008	NP (NDs)
Thallium (mg/L)	BGWC-52	0.0004096	0.0001965	0.002	No	7	0.0004986	0.0003535	28.57	Kaplan-Meier	ln(x)	0.01	Param.
Thallium (mg/L)	BGWC-7	0.001	0.00019	0.002	No	23	0.0006749	0.0004179	60.87	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-9	0.001	0.00022	0.002	No	22	0.0008475	0.0003321	81.82	Kaplan-Meier	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

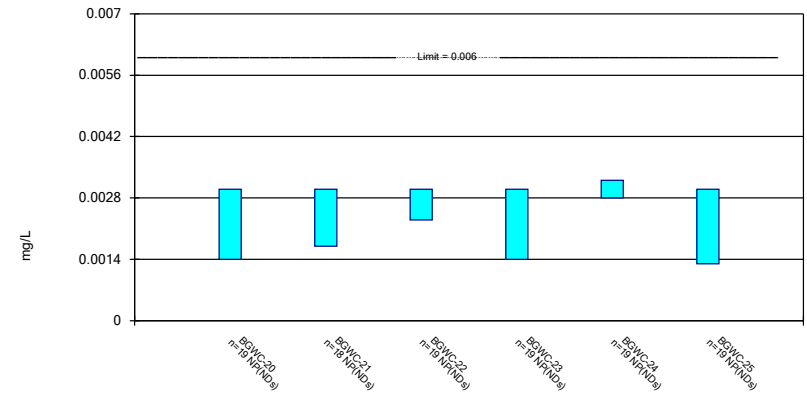
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Constituent: Antimony Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

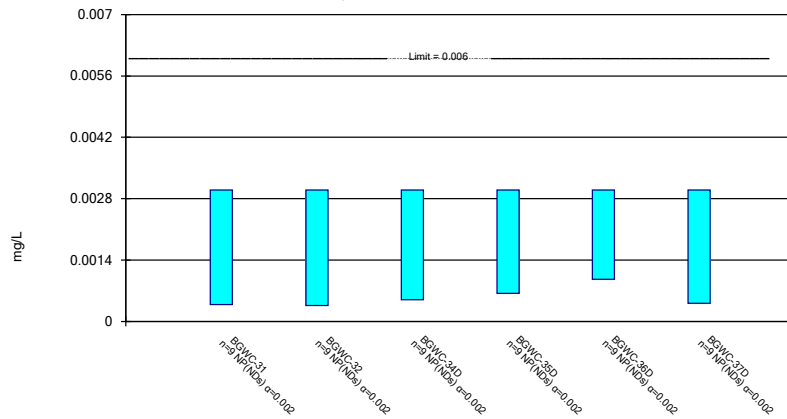
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Constituent: Antimony Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

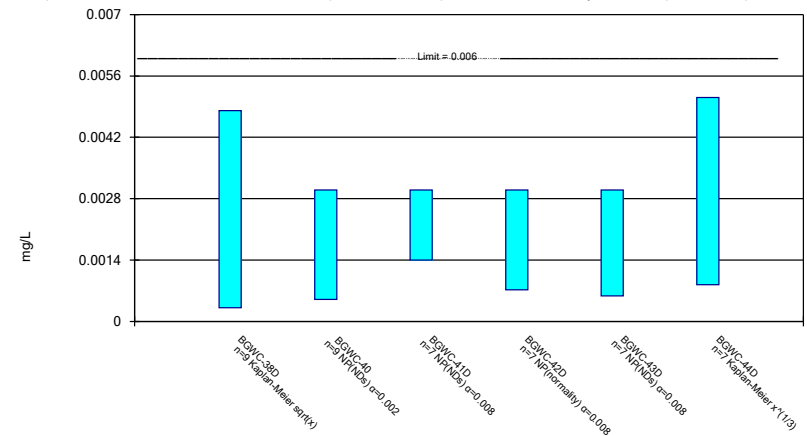
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Constituent: Antimony Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

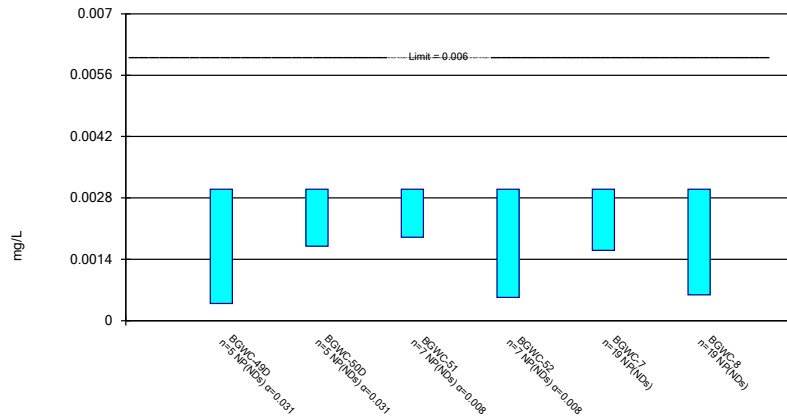
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

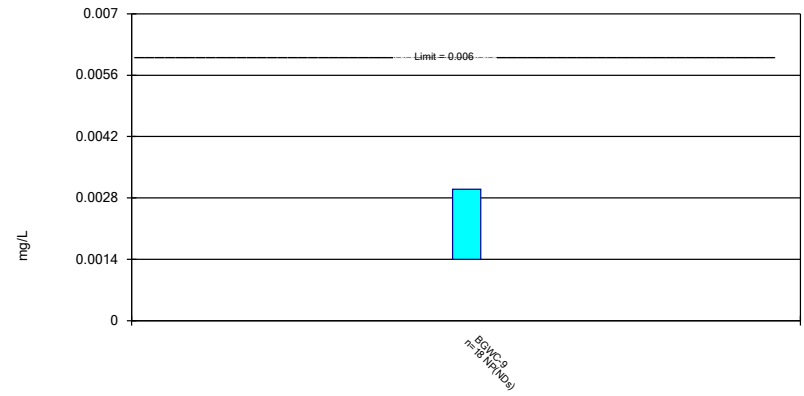
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

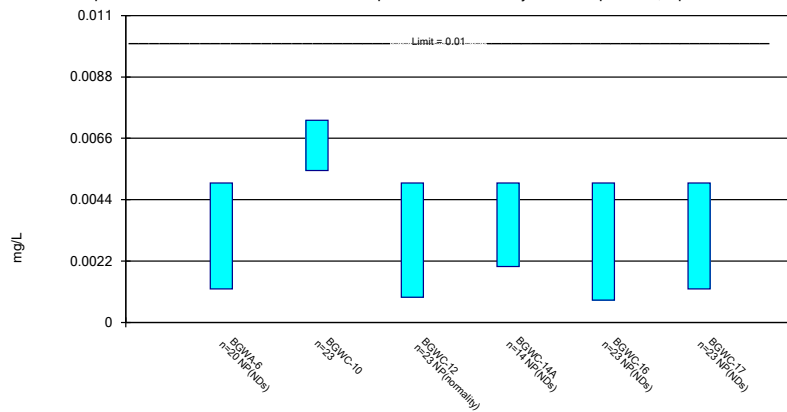
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

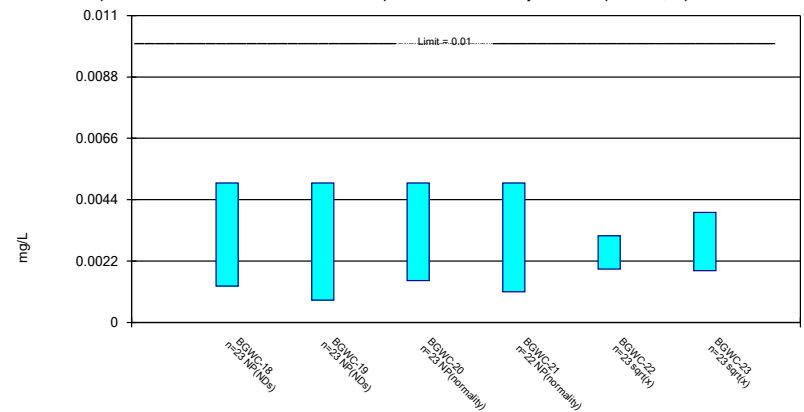
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

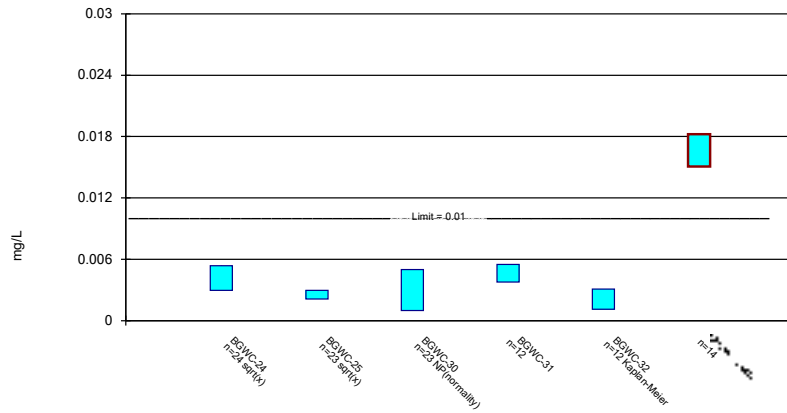
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

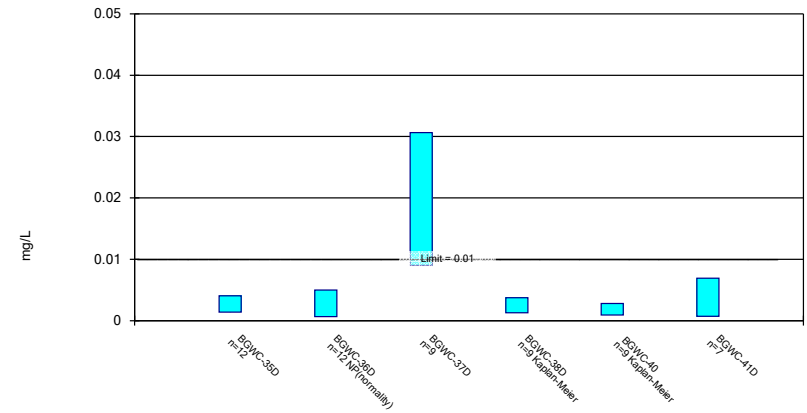
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

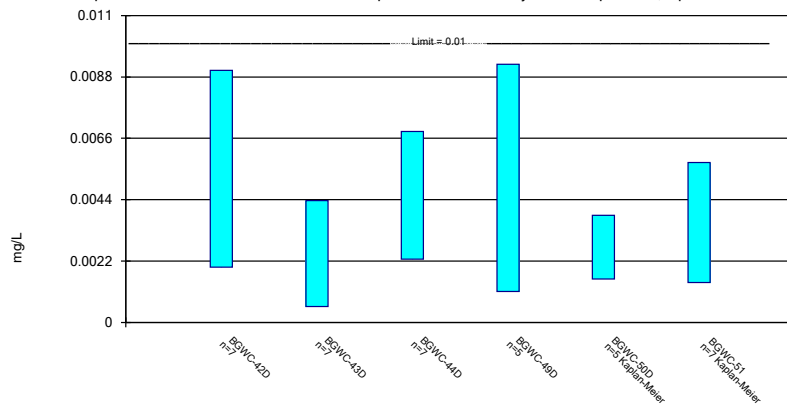
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Constituent: Arsenic Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

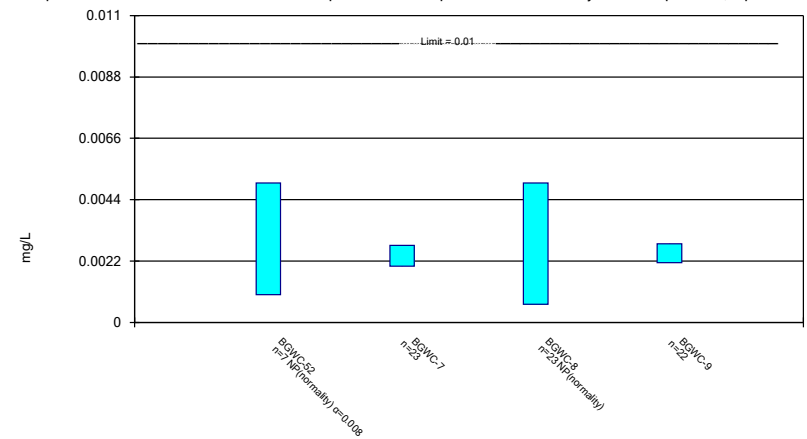
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Constituent: Arsenic Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

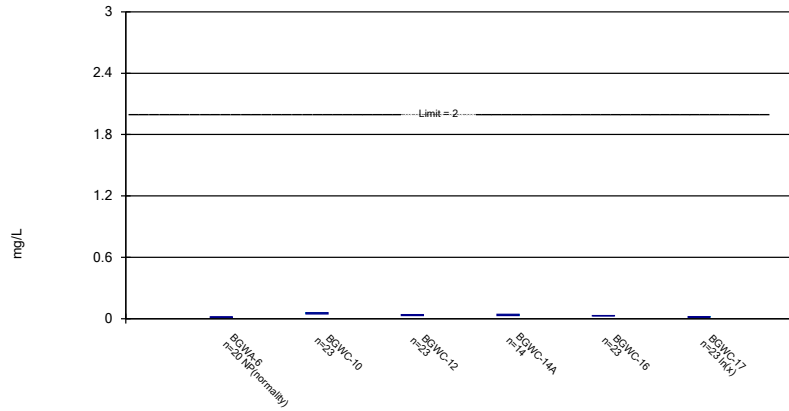
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

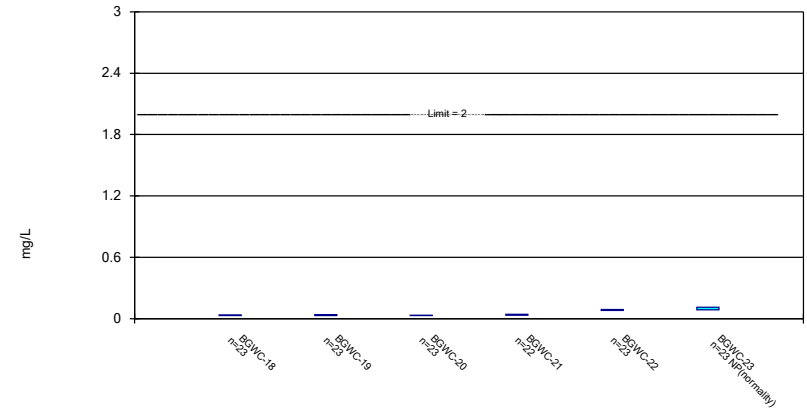
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Constituent: Barium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

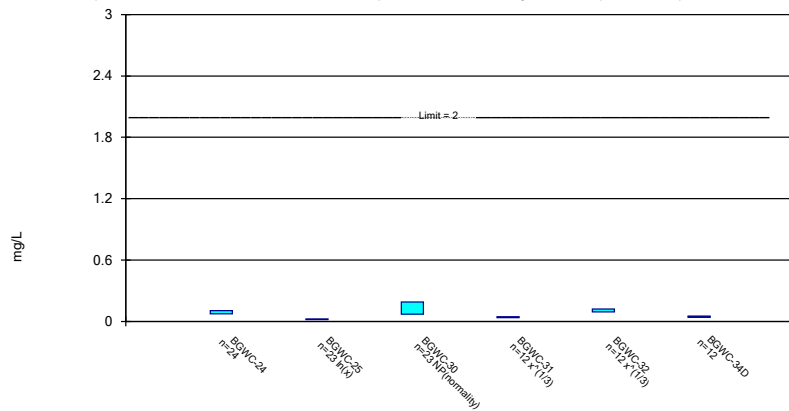
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Constituent: Barium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

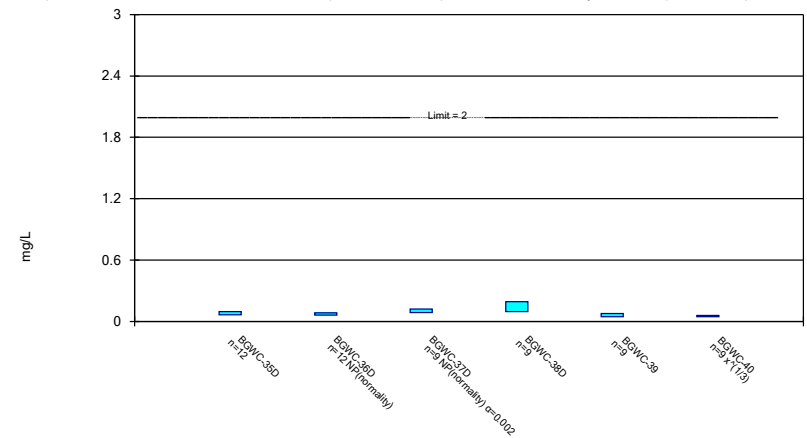
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Constituent: Barium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

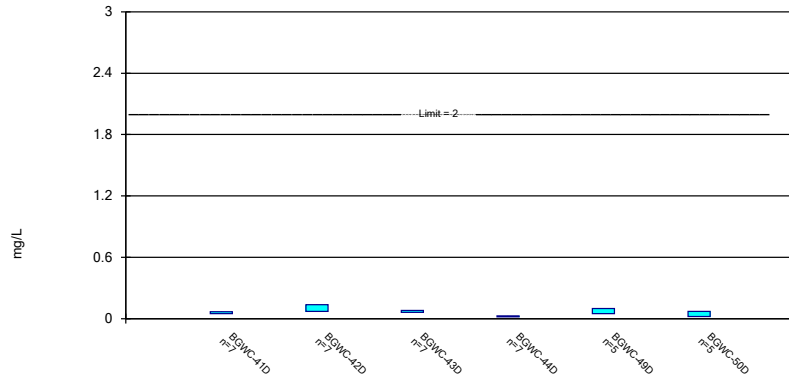
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Constituent: Barium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

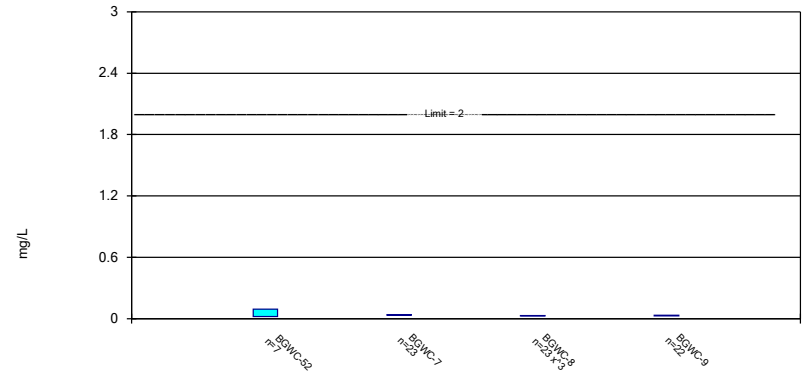
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Constituent: Barium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

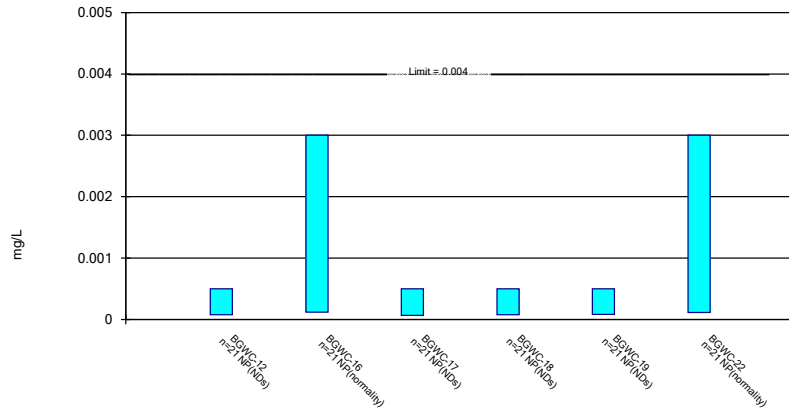
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Constituent: Barium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

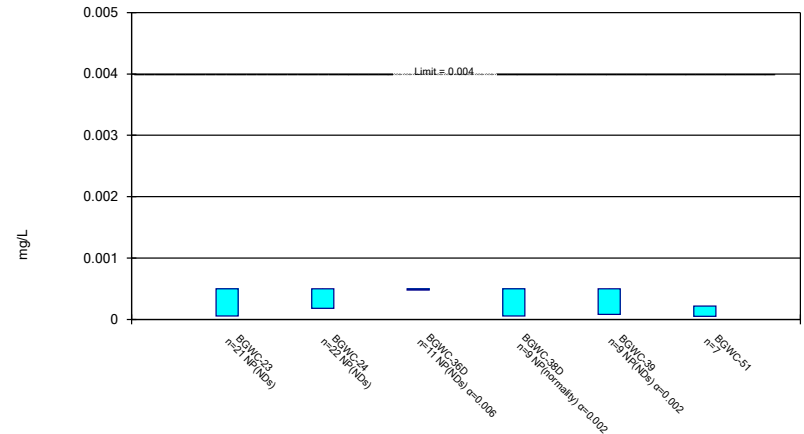
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Constituent: Beryllium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

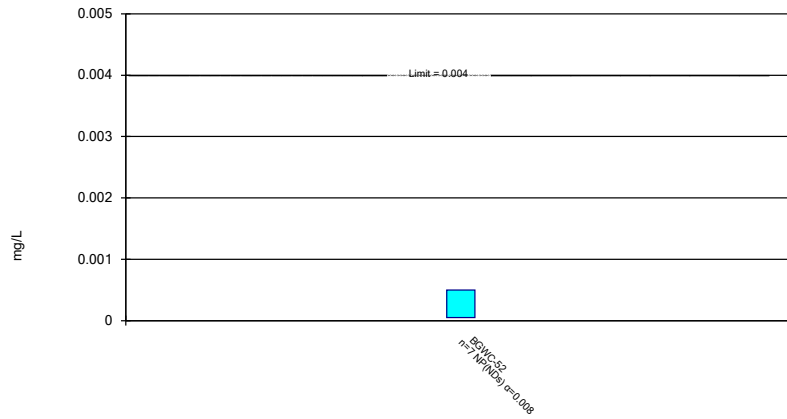
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Constituent: Beryllium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

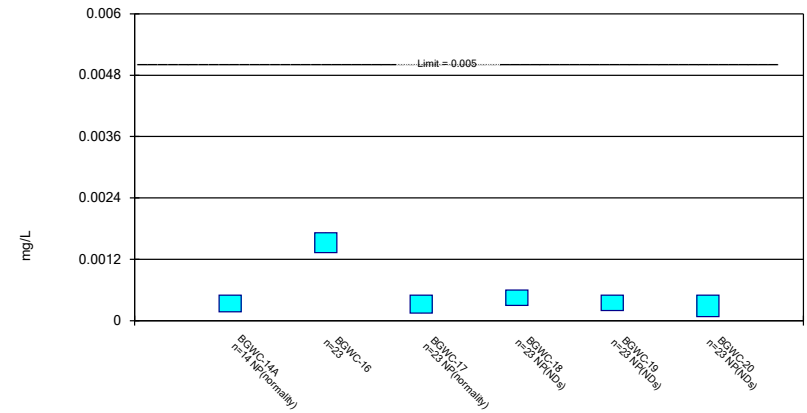
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Constituent: Beryllium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

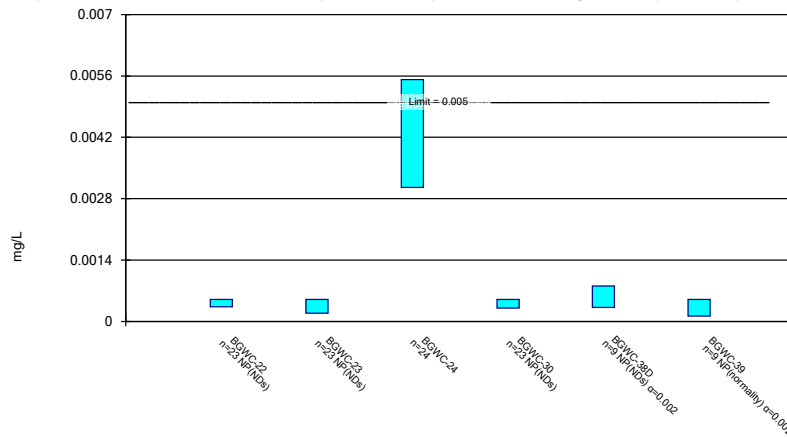
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Constituent: Cadmium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

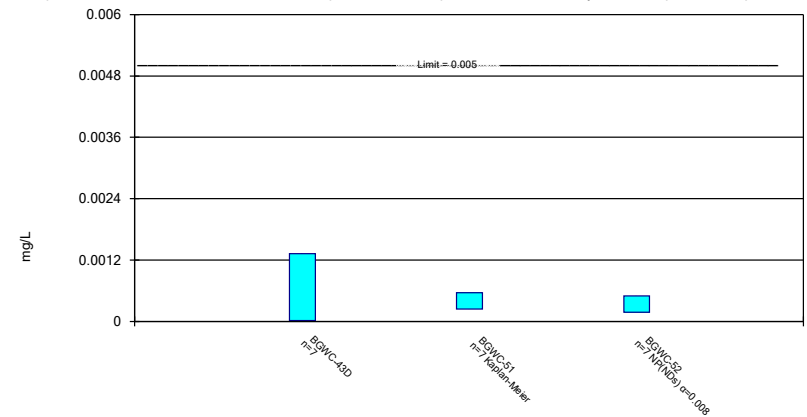
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Constituent: Cadmium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

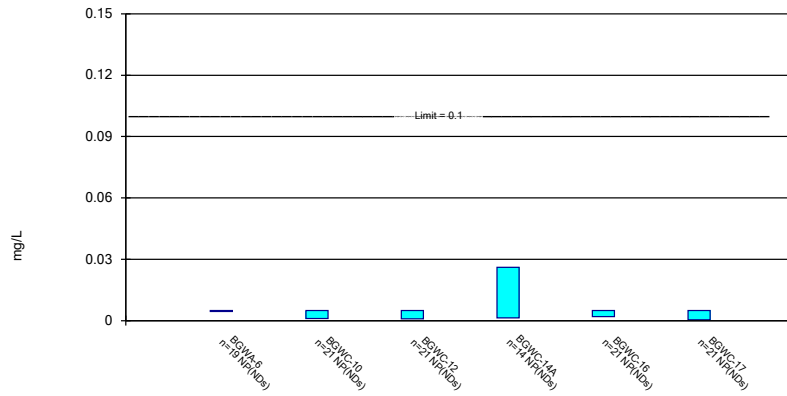
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Constituent: Cadmium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

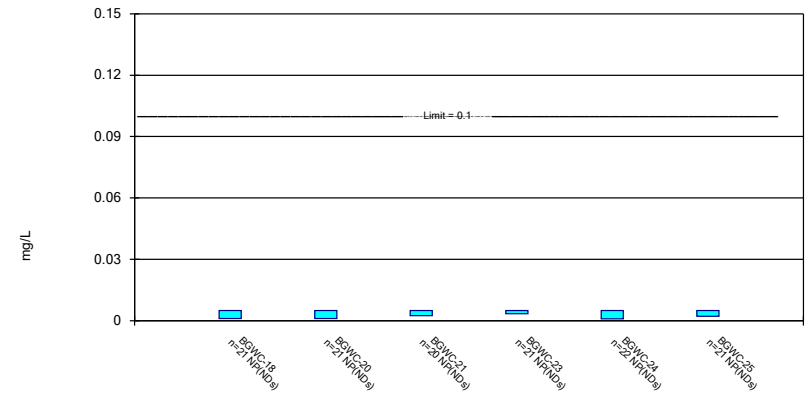
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Constituent: Chromium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

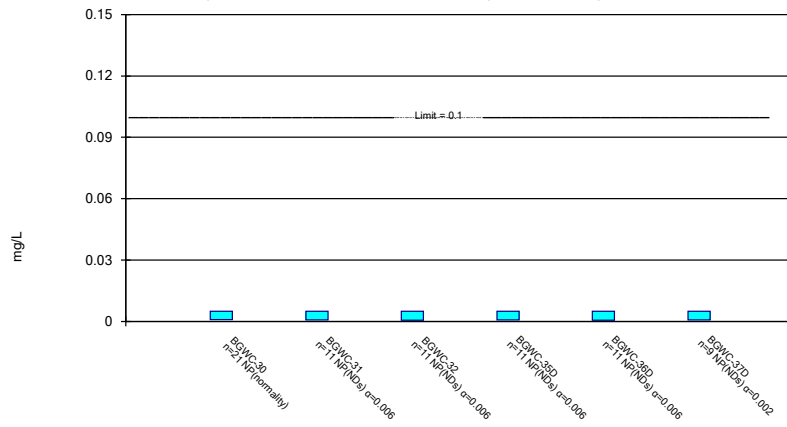
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Constituent: Chromium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

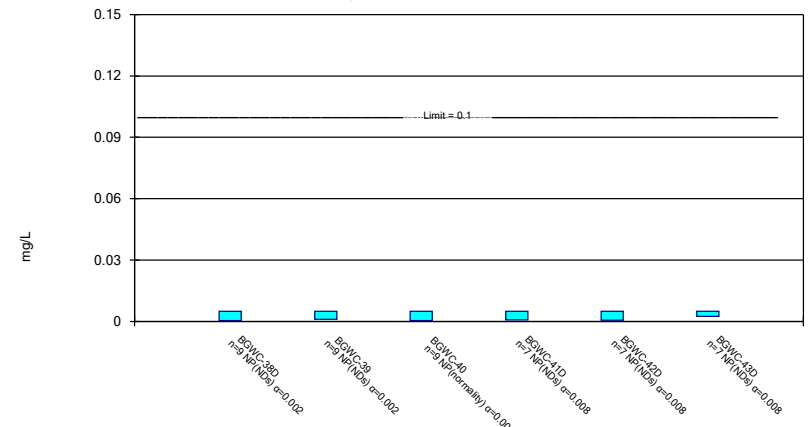
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Constituent: Chromium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

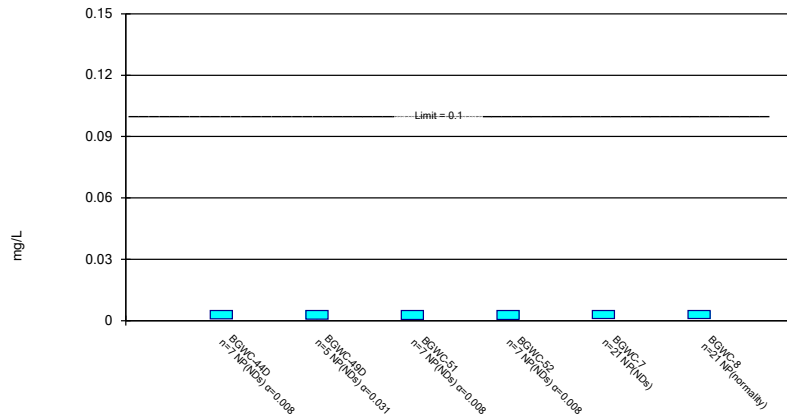
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Constituent: Chromium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Chromium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

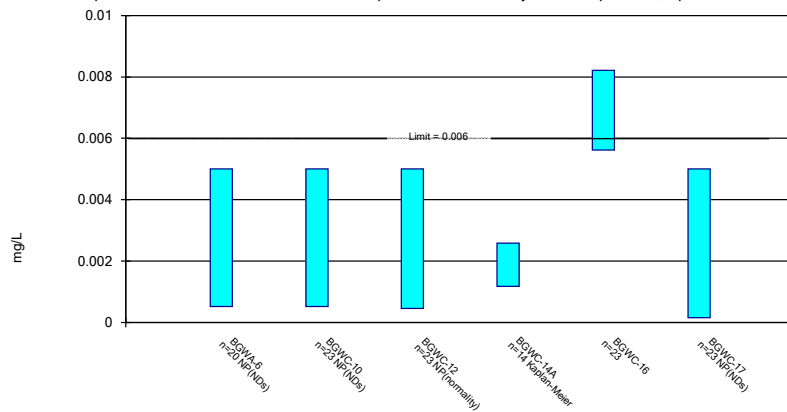
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

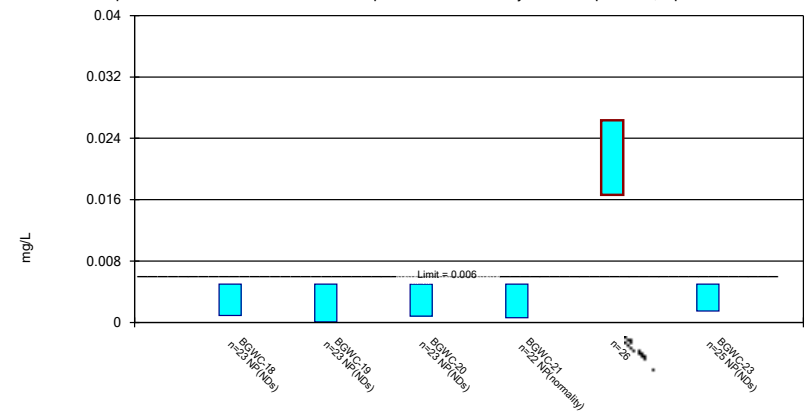
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

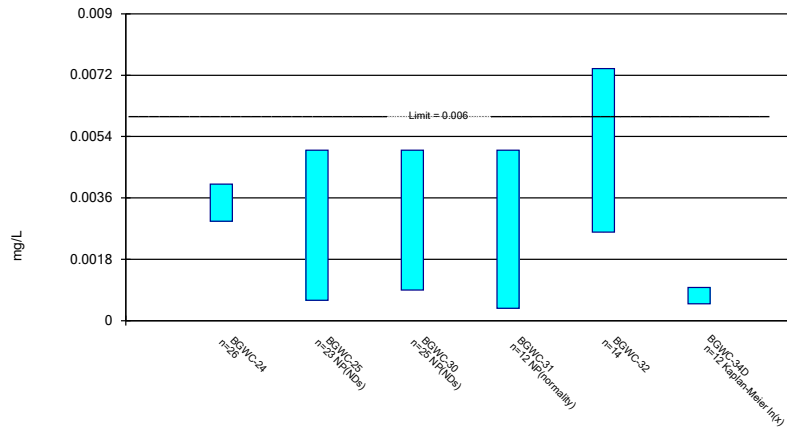
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

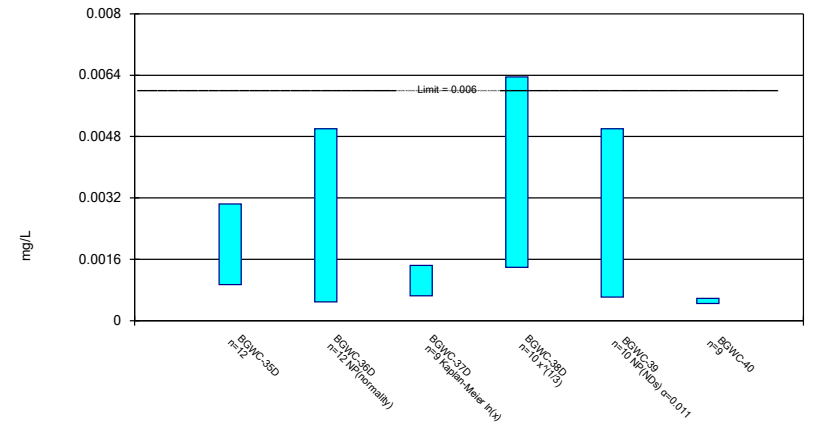
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

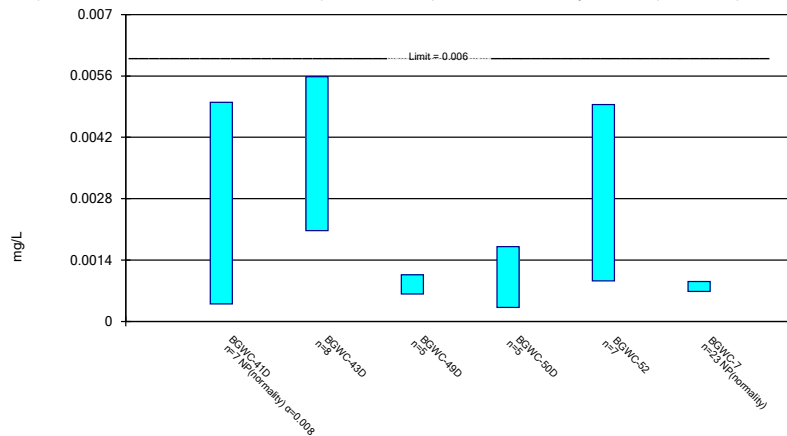
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

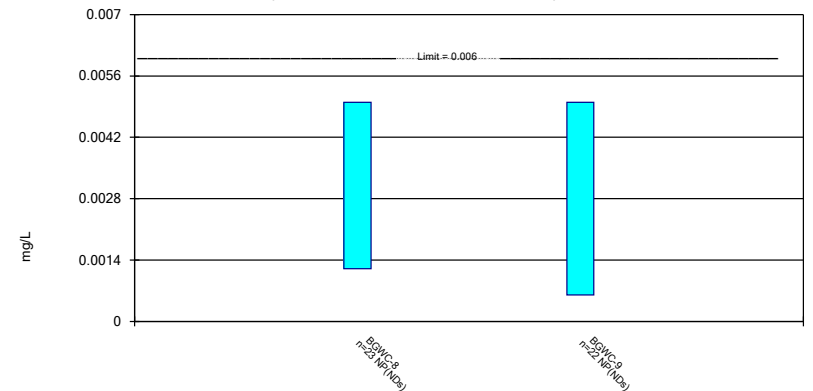
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

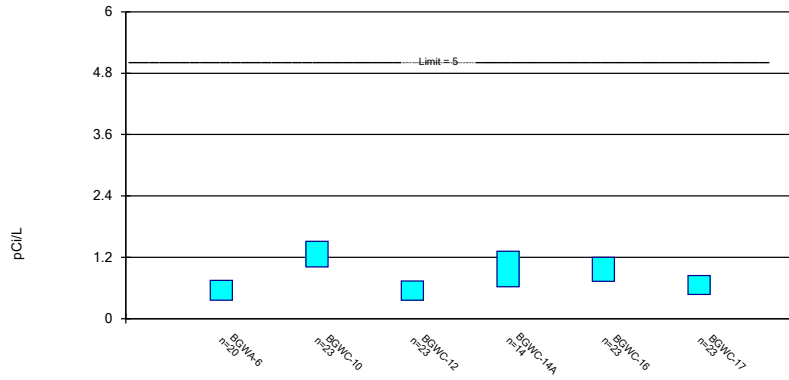
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cobalt Analysis Run 5/25/2023 2:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

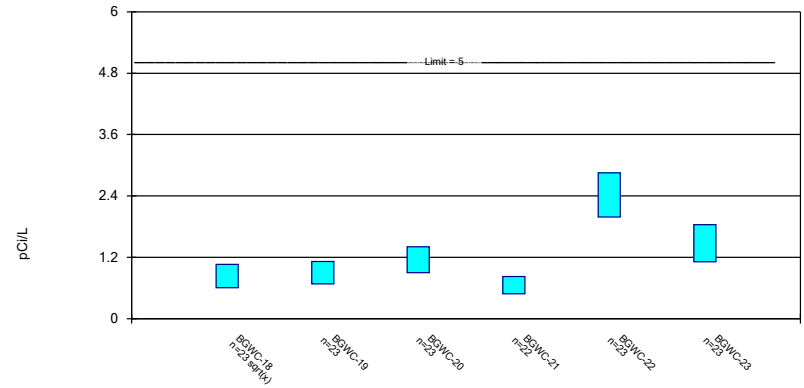
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

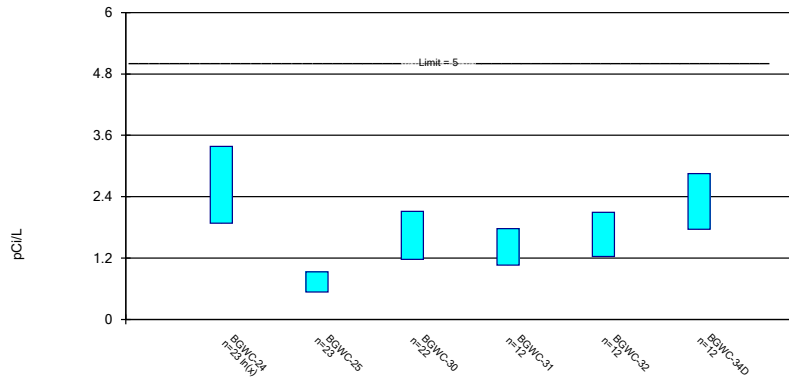
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

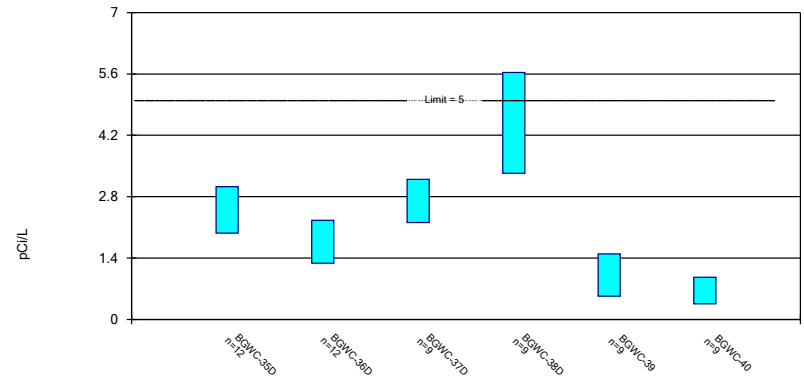
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

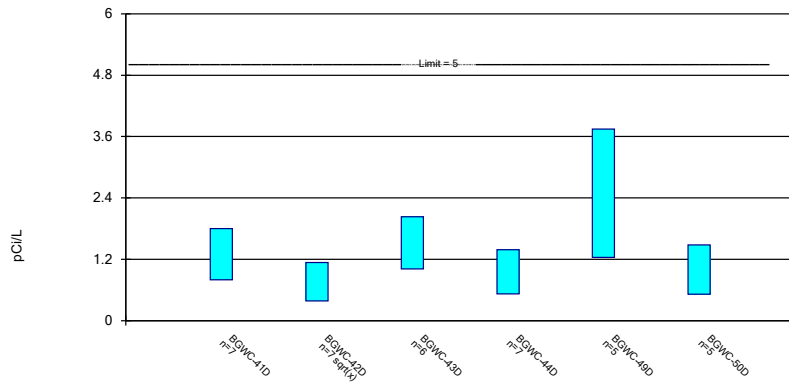
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

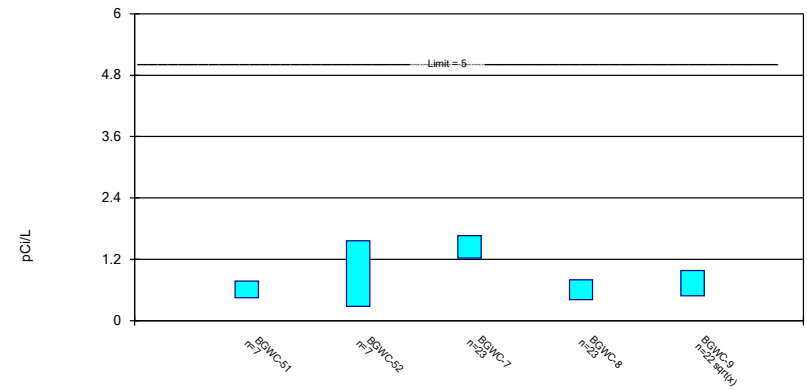
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 2:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

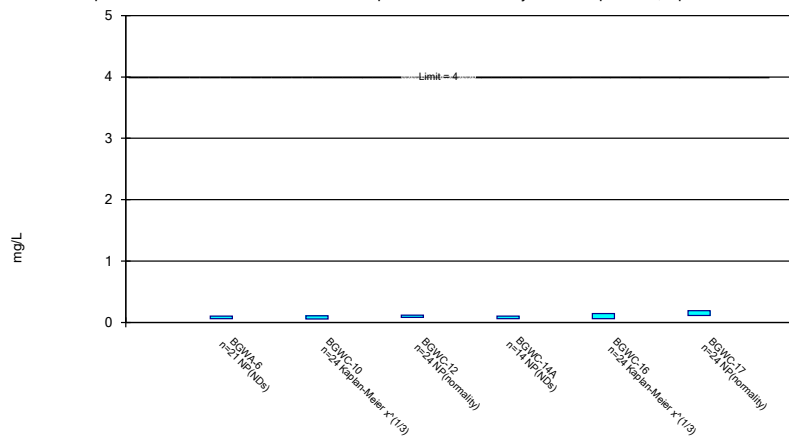
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 2:38 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

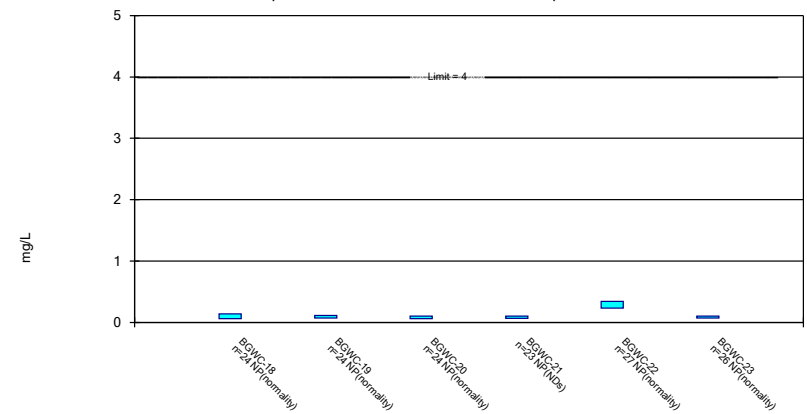
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 5/25/2023 2:38 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

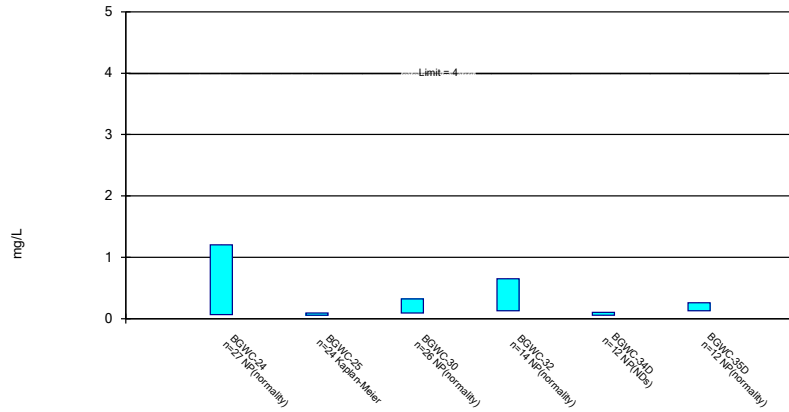
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Fluoride Analysis Run 5/25/2023 2:38 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

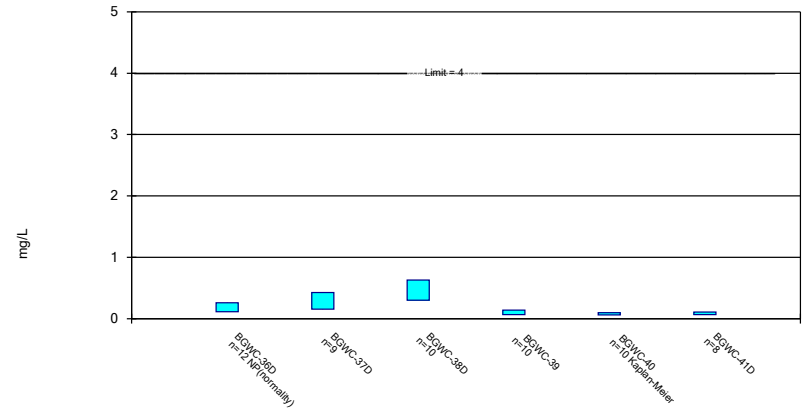
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

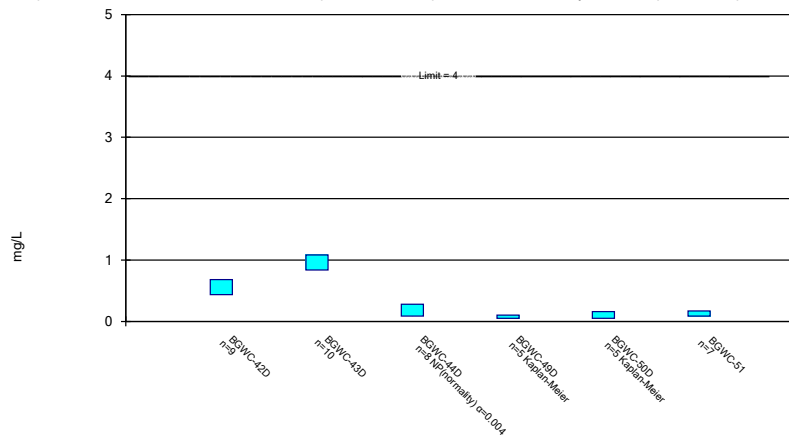
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

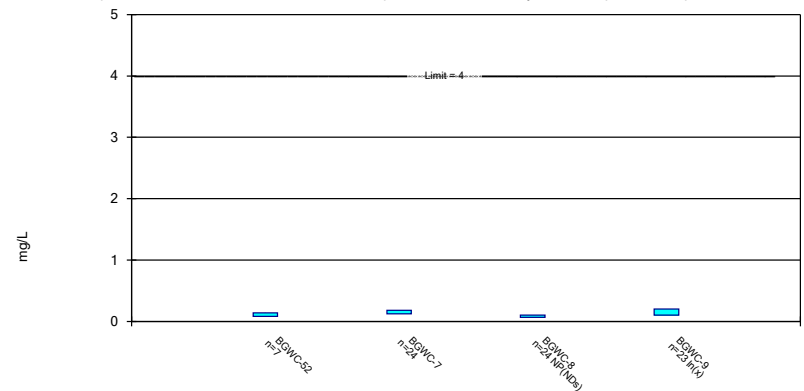
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

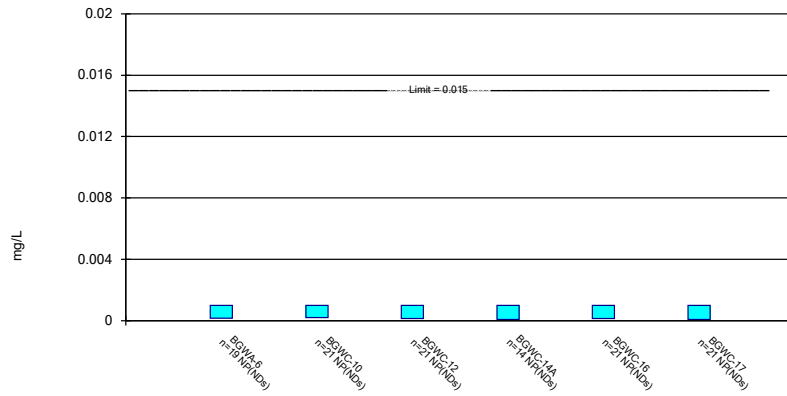
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

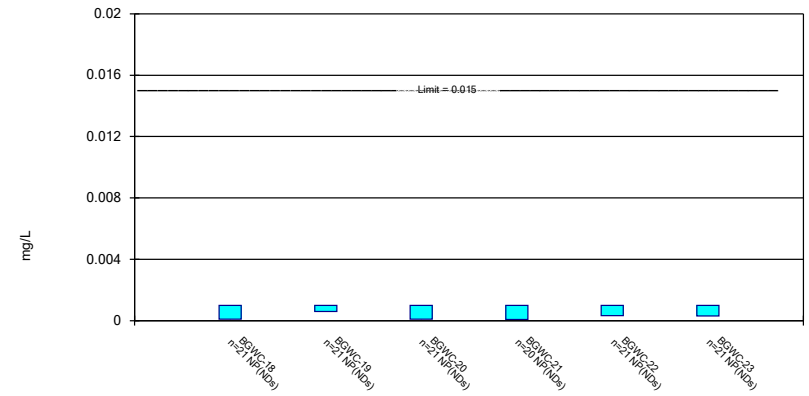
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 5/25/2023 2:38 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

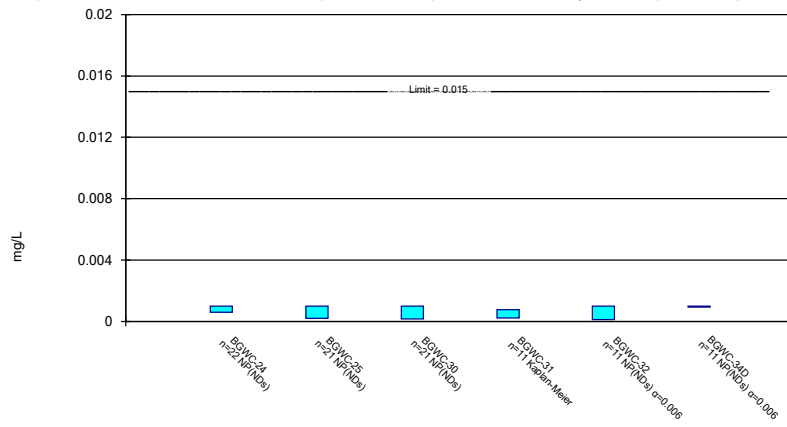
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 5/25/2023 2:38 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

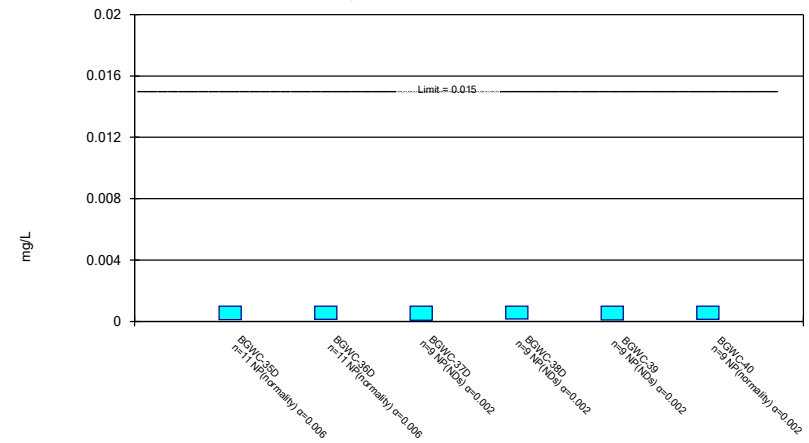
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 5/25/2023 2:38 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

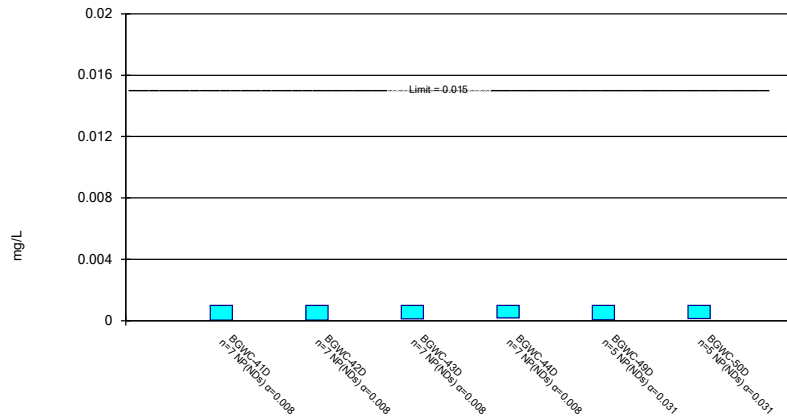
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 5/25/2023 2:38 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

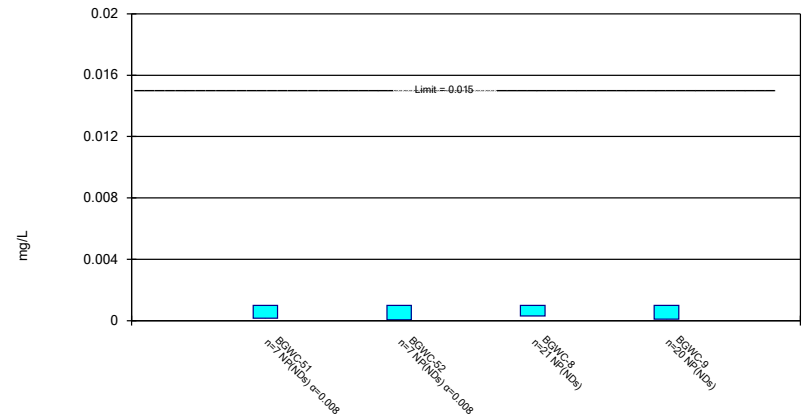
Compliance Limit is not exceeded.



Constituent: Lead Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

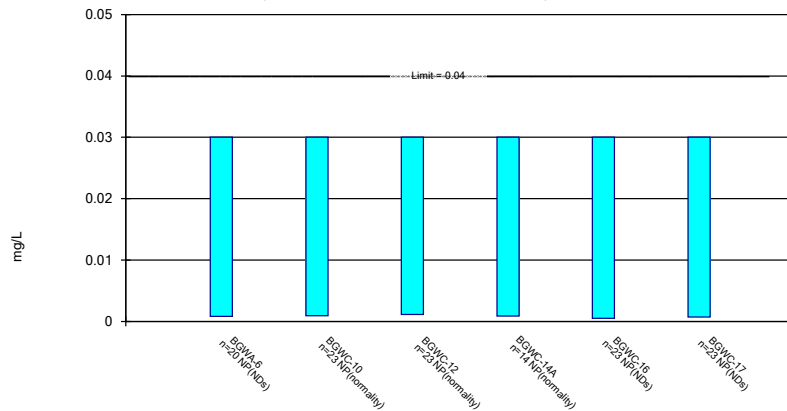
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Lead Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

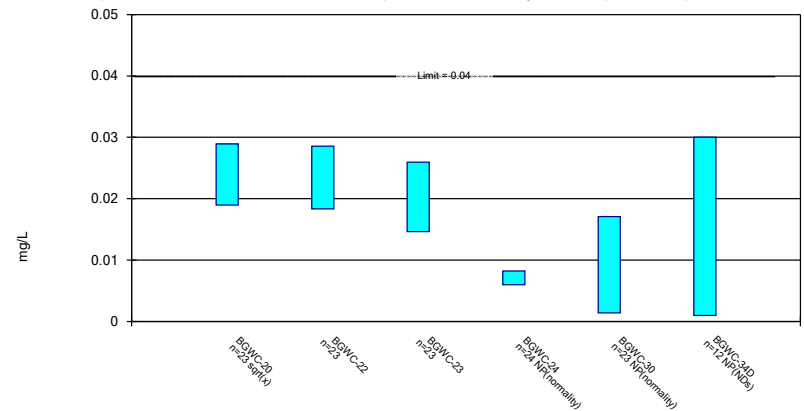
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

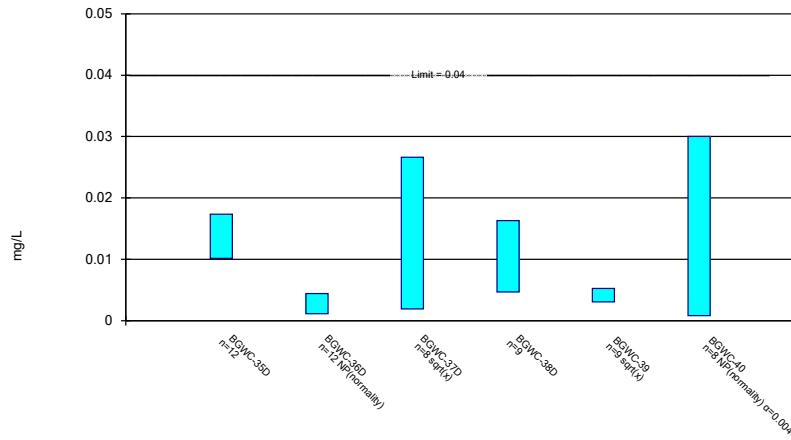
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

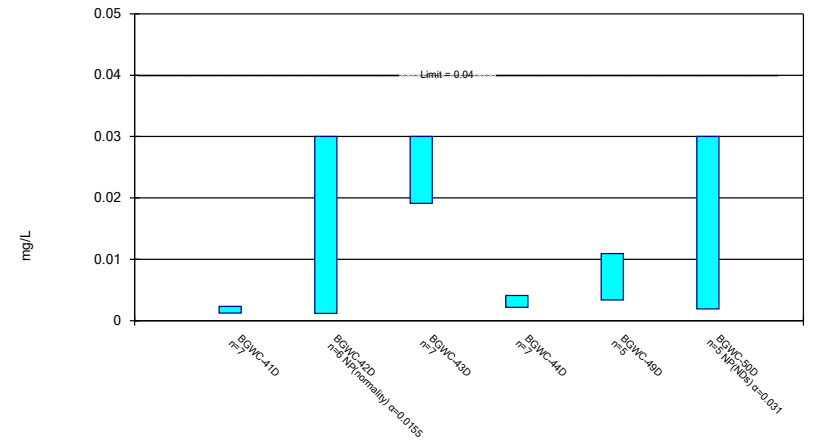
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

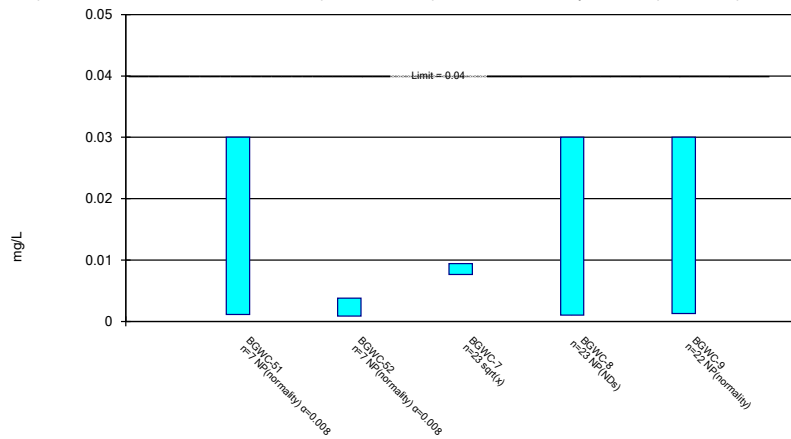
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

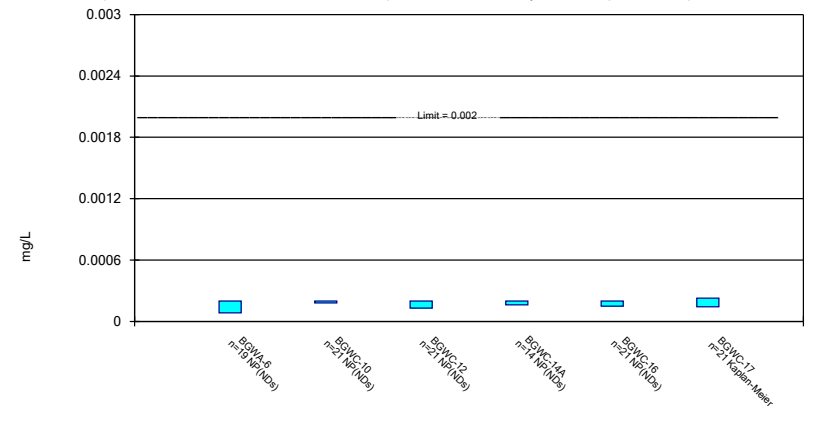
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

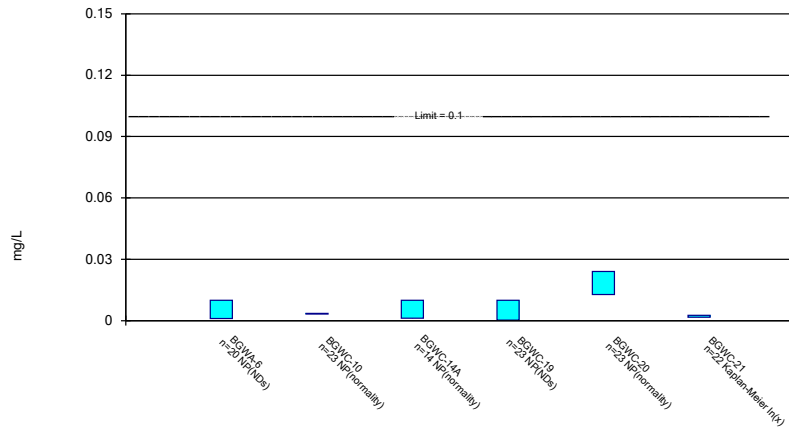
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

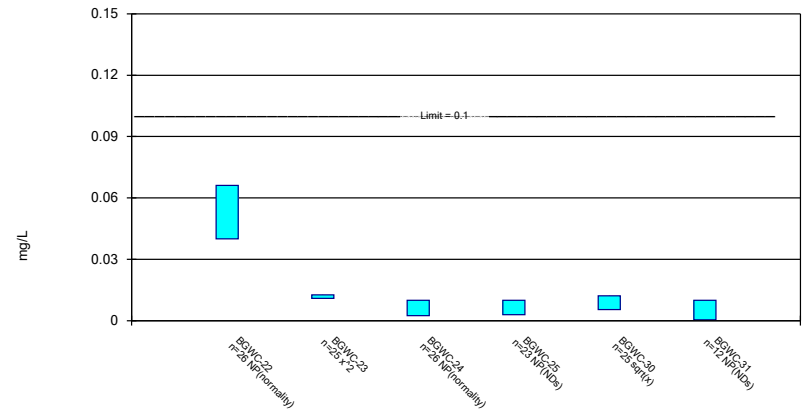
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

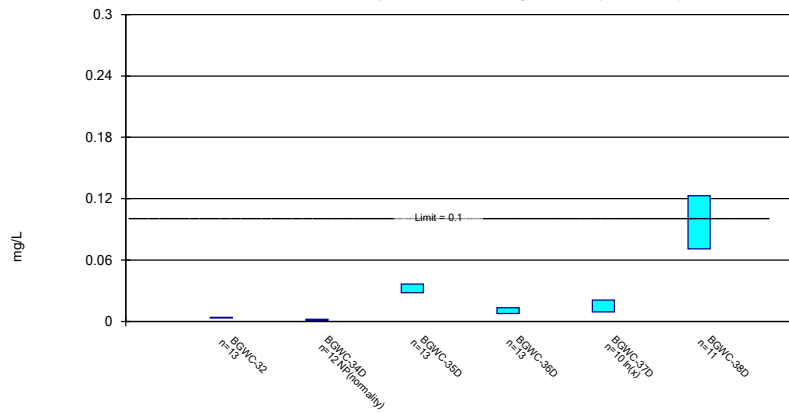
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

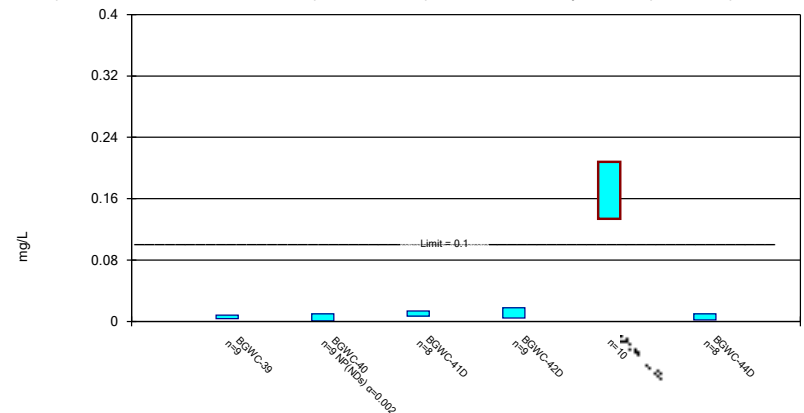
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

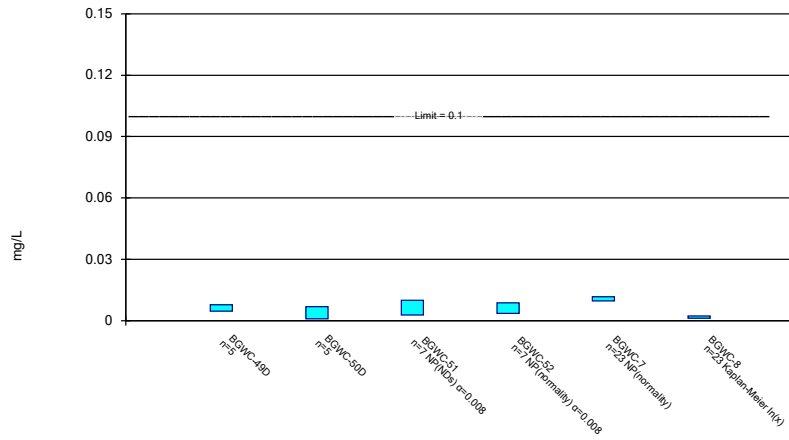
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

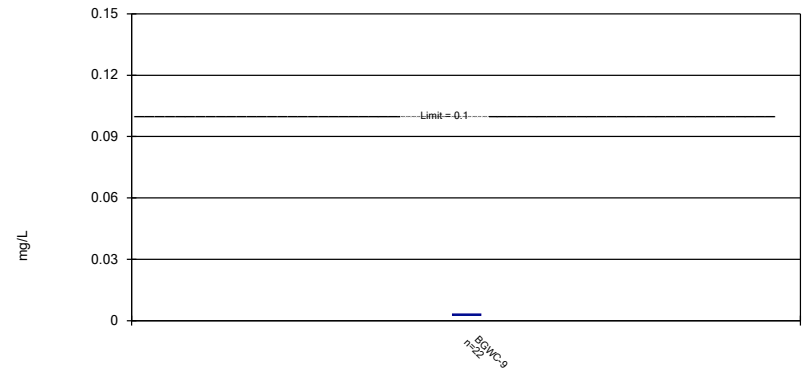
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

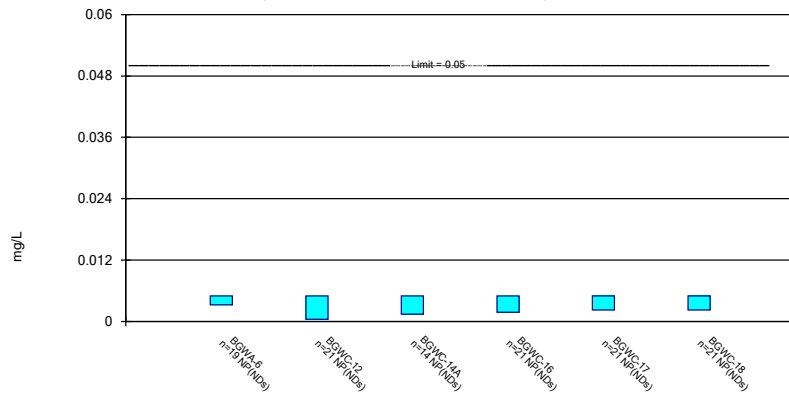
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

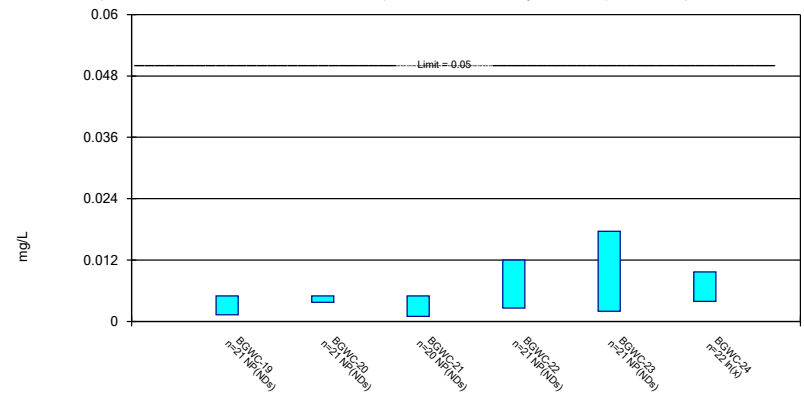
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

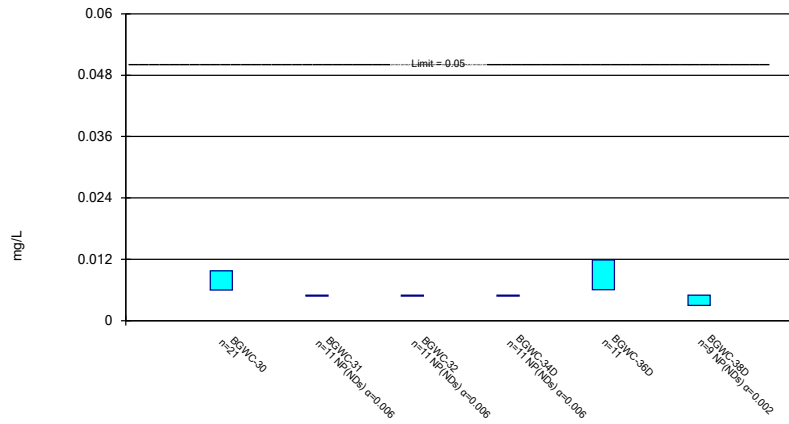
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

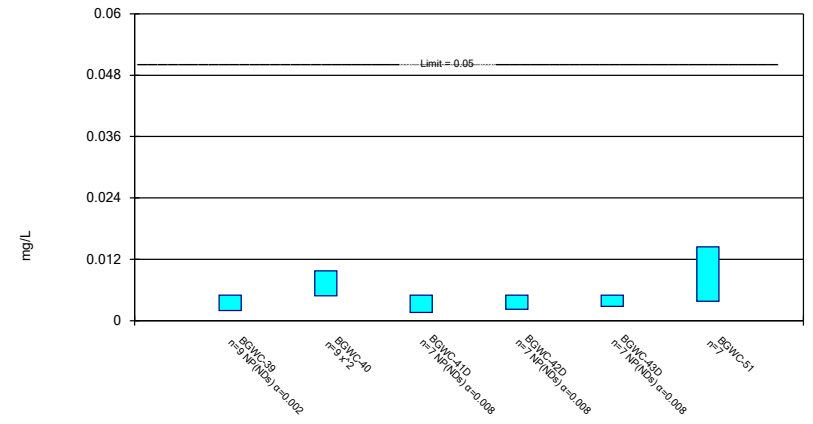
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

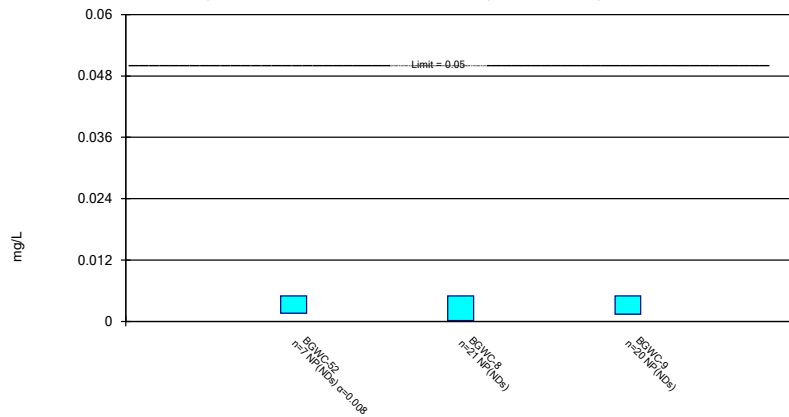
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

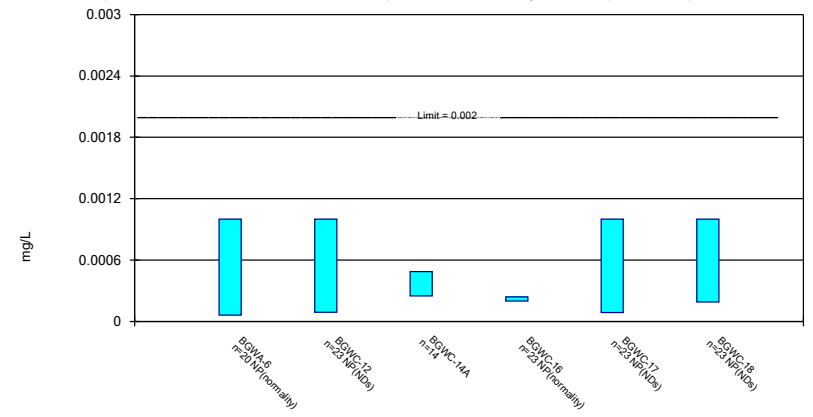
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Selenium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

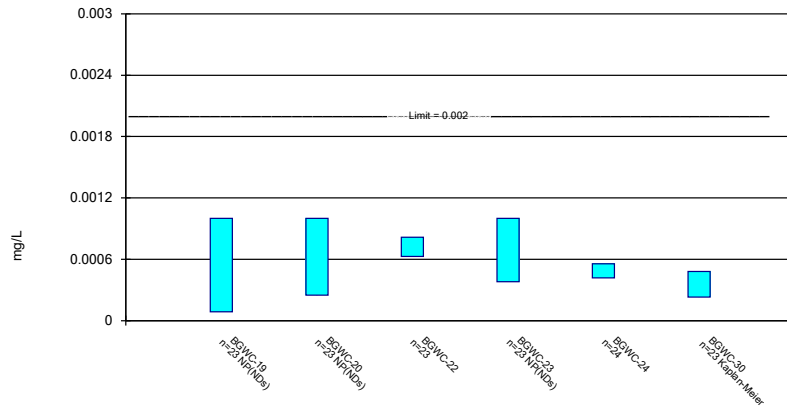
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

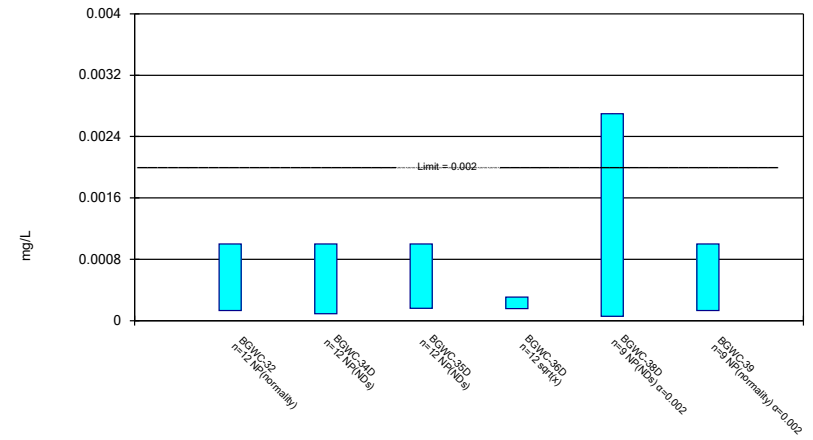
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

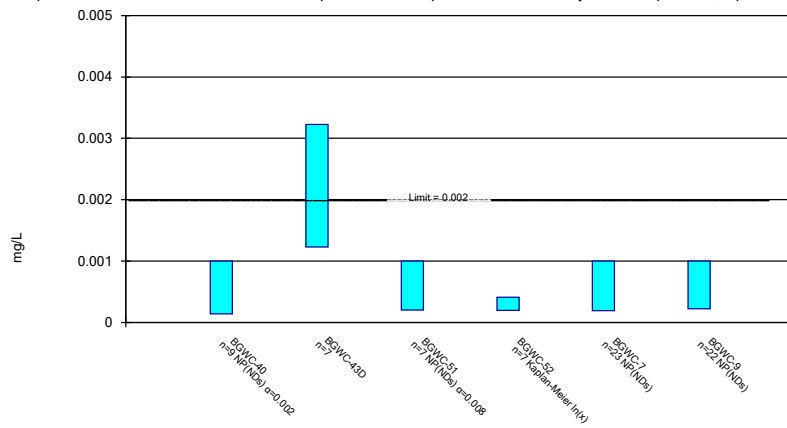
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 5/25/2023 2:38 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-16	BGWC-17	BGWC-19
6/6/2016	<0.003					
6/7/2016		0.0022 (J)		<0.003	<0.003	
6/8/2016						<0.003
8/10/2016	<0.003					
8/11/2016				0.0004 (J)	0.0002 (J)	
8/12/2016						<0.003
8/16/2016		<0.003				
10/4/2016	<0.003					
10/7/2016		<0.003		<0.003	<0.003	<0.003
12/1/2016	<0.003					
12/6/2016		<0.003		<0.003	<0.003	
12/7/2016						<0.003
2/14/2017	<0.003					
2/16/2017		<0.003		<0.003	<0.003	<0.003
4/13/2017	<0.003					
4/18/2017		<0.003		<0.003		
4/19/2017					<0.003	<0.003
5/25/2017	<0.003					
5/30/2017				<0.003	<0.003	
6/1/2017						<0.003
6/2/2017		<0.003				
7/7/2017	<0.003					
7/12/2017		<0.003				
7/14/2017				<0.003	<0.003	<0.003
3/27/2018		<0.003		<0.003	<0.003	<0.003
2/25/2019				<0.003		
2/27/2019					<0.003	
2/28/2019		<0.003				
3/1/2019						<0.003
2/18/2020	<0.003					
2/20/2020		<0.003		<0.003		
2/24/2020					<0.003	<0.003
3/19/2020	<0.003			<0.003	<0.003	
3/20/2020						<0.003
3/23/2020		<0.003				
5/22/2020			<0.003			
6/23/2020			<0.003			
7/28/2020			<0.003			
9/2/2020			<0.003			
9/23/2020	<0.003					
9/24/2020		<0.003		<0.003	<0.003	
9/28/2020						0.0005 (J)
10/1/2020			0.0003 (J)			
11/10/2020			0.00061 (J)			
12/15/2020			<0.003			
1/20/2021			<0.003			
2/18/2021	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/24/2021			<0.003	<0.003	<0.003	
3/26/2021						<0.003
3/30/2021		<0.003				
3/31/2021	<0.003					
8/16/2021	<0.003					

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-16	BGWC-17	BGWC-19
8/18/2021		<0.003	<0.003	<0.003		
8/19/2021					<0.003	
8/20/2021						<0.003
2/9/2022	<0.003		<0.003			
2/11/2022		0.0021 (J)		<0.003	<0.003	
2/16/2022						<0.003
7/26/2022	<0.003		<0.003			
7/27/2022				<0.003	<0.003	<0.003
7/28/2022		0.0015 (J)				
1/25/2023	0.0017 (J)					
1/26/2023			<0.003	<0.003	<0.003	
1/27/2023		<0.003				<0.003
Mean	0.002924	0.002832	0.002636	0.002863	0.002853	0.002868
Std. Dev.	0.0003153	0.0004191	0.0009262	0.0005965	0.0006424	0.0005735
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0017	0.0022	0.00061	0.0004	0.0002	0.0005

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/8/2016	<0.003	<0.003	<0.003			<0.003
6/9/2016				<0.003	<0.003	
8/12/2016	<0.003					
8/15/2016						0.0013 (J)
8/18/2016		<0.003	0.0023 (J)	0.0009 (J)	<0.003	
10/10/2016	<0.003	<0.003	0.0021 (J)	<0.003	<0.003	<0.003
12/7/2016	<0.003			<0.003	<0.003	
12/8/2016		<0.003	<0.003			<0.003
2/17/2017	<0.003	<0.003	<0.003			
2/20/2017				<0.003	<0.003	<0.003
4/19/2017	<0.003	<0.003		<0.003	<0.003	
4/20/2017			<0.003			<0.003
6/1/2017	<0.003	<0.003				<0.003
6/5/2017			<0.003	<0.003	<0.003	
7/17/2017				<0.003	<0.003	<0.003
7/18/2017	<0.003	<0.003				
7/19/2017			<0.003			
3/28/2018	<0.003	<0.003				<0.003
3/29/2018			<0.003	<0.003	<0.003	
2/27/2019	<0.003					
3/1/2019			<0.003	<0.003	<0.003	<0.003
2/24/2020	<0.003					
2/25/2020			<0.003	<0.003		
2/26/2020		<0.003			<0.003	<0.003
3/20/2020		<0.003	<0.003			
3/23/2020	0.0014 (J)			0.00053 (J)		
3/24/2020						<0.003
3/25/2020					<0.003	
9/24/2020		<0.003	<0.003	<0.003		
9/25/2020					0.00048 (J)	
9/28/2020	0.0005 (J)					<0.003
2/18/2021	<0.003					
2/19/2021		<0.003	0.00028 (J)	0.00031 (J)	0.00036 (J)	
2/23/2021						<0.003
3/26/2021				<0.003	<0.003	<0.003
3/29/2021	<0.003	<0.003	<0.003			
8/19/2021						<0.003
8/20/2021	<0.003	0.0014 (J)				
8/23/2021			<0.003	0.0029 (J)	0.0028 (J)	
2/14/2022				0.0014 (J)		
2/15/2022			<0.003		0.0048	
2/16/2022	<0.003	0.0017 (J)				<0.003
7/27/2022	<0.003					<0.003
7/28/2022		<0.003				
8/1/2022				0.0022 (J)		
8/2/2022			<0.003		0.015 (o)	
10/21/2022					0.0032 (R)	
1/27/2023		<0.003				<0.003
1/30/2023	<0.003					
2/1/2023					<0.003	
2/2/2023				0.007		
2/7/2023			<0.003			

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
Mean	0.002784	0.002839	0.002773	0.002697	0.002823	0.002911
Std. Dev.	0.0006635	0.0004717	0.0006547	0.001399	0.0009442	0.00039
Upper Lim.	0.003	0.003	0.003	0.003	0.0032	0.003
Lower Lim.	0.0014	0.0017	0.0023	0.0014	0.0028	0.0013

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D
2/25/2020				<0.003		<0.003
2/26/2020	<0.003				<0.003	
2/27/2020		<0.003	<0.003			
3/23/2020	<0.003				<0.003	
3/24/2020		<0.003	<0.003			<0.003
3/25/2020				<0.003		
9/25/2020		0.00039 (J)		0.00064 (J)		0.0022 (J)
9/28/2020	0.00038 (J)		0.00049 (J)		<0.003	
2/19/2021			<0.003			
2/22/2021	<0.003			0.00066 (J)		0.00041 (J)
2/23/2021		0.00036 (J)				
3/8/2021					0.00096 (J)	
3/25/2021					<0.003	
3/26/2021				<0.003		<0.003
3/29/2021	<0.003					
3/30/2021		<0.003	0.00079 (J)			
8/20/2021	<0.003			<0.003		<0.003
8/23/2021					<0.003	
8/24/2021			<0.003			
8/25/2021		<0.003				
2/14/2022					<0.003	
2/16/2022	<0.003	<0.003	<0.003			
2/17/2022				<0.003		<0.003
7/28/2022	<0.003		<0.003	<0.003		<0.003
7/29/2022		<0.003			<0.003	
1/27/2023	<0.003					
1/30/2023			<0.003	<0.003		<0.003
1/31/2023		<0.003				
2/1/2023					<0.003	
Mean	0.002709	0.002417	0.002476	0.002478	0.002773	0.002623
Std. Dev.	0.0008733	0.001158	0.001043	0.001036	0.00068	0.0008711
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.00038	0.00036	0.00049	0.00064	0.00096	0.00041

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-38D	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D
2/27/2020	0.0003 (J)					
2/28/2020		<0.003				
3/24/2020	<0.003					
3/25/2020		<0.003				
9/2/2020	0.0016 (J)		0.0014 (J)			
9/3/2020				0.00072 (J)	0.00091 (J)	0.0021 (J)
9/29/2020		<0.003				
2/18/2021						0.009
2/22/2021		<0.003	<0.003	0.0019 (J)		
3/8/2021					0.00058 (J)	
3/9/2021	0.00062 (J)					
3/29/2021	<0.003				<0.003	
3/30/2021		0.0005 (J)				
3/31/2021			<0.003			0.0026 (J)
4/1/2021				0.0019 (J)		
8/18/2021						0.0015 (J)
8/19/2021	0.01					
8/20/2021				0.00083 (J)		
8/23/2021					<0.003	
8/24/2021		<0.003	0.0014 (J)			
2/9/2022						<0.003
2/14/2022	0.0067					
2/15/2022			<0.003		<0.003	
2/16/2022		<0.003				
2/17/2022				<0.003		
7/26/2022						0.0011 (J)
7/28/2022		<0.003		<0.003		
7/29/2022			<0.003			
8/1/2022					<0.003	
8/2/2022	0.0015 (J)					
1/25/2023						<0.003
1/30/2023				<0.003		
1/31/2023		<0.003				
2/1/2023			<0.003			
2/7/2023	0.00082 (J)				<0.003	
Mean	0.00306	0.002722	0.002543	0.00205	0.002356	0.003186
Std. Dev.	0.003251	0.0008333	0.0007807	0.001001	0.001104	0.002664
Upper Lim.	0.00481	0.003	0.003	0.003	0.003	0.005111
Lower Lim.	0.0003097	0.0005	0.0014	0.00072	0.00058	0.0008384

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/7/2016						<0.003
6/8/2016					<0.003	
8/10/2016						0.0004 (J)
8/11/2016					0.0005 (J)	
10/4/2016						<0.003
10/6/2016					0.0015 (J)	
12/2/2016						<0.003
12/6/2016					<0.003	
2/14/2017						<0.003
2/15/2017					<0.003	
4/14/2017						<0.003
4/18/2017					0.0003 (J)	
5/26/2017						<0.003
6/2/2017					<0.003	
7/10/2017						<0.003
7/14/2017					<0.003	
3/26/2018						<0.003
3/27/2018					<0.003	
2/25/2019						<0.003
2/28/2019					<0.003	
2/19/2020						<0.003
2/21/2020					0.0016 (J)	
3/18/2020						<0.003
3/19/2020					<0.003	
9/23/2020						<0.003
9/25/2020					<0.003	
1/28/2021			<0.003	0.0019 (J)		
2/16/2021						0.00046 (J)
2/18/2021					<0.003	
2/23/2021			<0.003	0.00053 (J)		
3/24/2021						0.00059 (J)
3/30/2021			0.0019 (J)	0.00085 (J)	<0.003	
4/19/2021	0.00039 (J)	0.0019 (J)				
8/18/2021		<0.003				<0.003
8/19/2021					<0.003	
8/23/2021			<0.003	<0.003		
8/24/2021	<0.003					
2/9/2022		<0.003				
2/10/2022						<0.003
2/11/2022					<0.003	
2/14/2022			<0.003	<0.003		
2/17/2022	<0.003					
7/26/2022		<0.003				<0.003
7/28/2022				<0.003	<0.003	
8/1/2022	<0.003		<0.003			
1/25/2023		0.0017 (J)				
1/26/2023					<0.003	<0.003
1/31/2023			<0.003	<0.003		
2/1/2023	<0.003					
Mean	0.002478	0.00252	0.002843	0.002183	0.002574	0.002603
Std. Dev.	0.001167	0.0006611	0.0004158	0.0011	0.0008912	0.0009434
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
Lower Lim.	0.00039	0.0017	0.0019	0.00053	0.0016	0.00059

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.003
8/11/2016	0.0003 (J)
10/5/2016	<0.003
12/5/2016	<0.003
2/15/2017	<0.003
4/17/2017	<0.003
5/26/2017	<0.003
7/11/2017	<0.003
3/27/2018	<0.003
2/20/2020	<0.003
3/19/2020	<0.003
9/24/2020	<0.003
2/17/2021	0.00075 (J)
3/24/2021	0.00038 (J)
8/18/2021	0.0014 (J)
2/10/2022	<0.003
7/26/2022	<0.003
1/26/2023	<0.003
Mean	0.002491
Std. Dev.	0.001003
Upper Lim.	0.003
Lower Lim.	0.0014

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.005					
6/7/2016		0.0039	<0.005		<0.005	<0.005
8/10/2016	<0.005					
8/11/2016					<0.005	<0.005
8/12/2016			0.0009 (J)			
8/16/2016		0.0091				
10/4/2016	<0.005					
10/6/2016			<0.005			
10/7/2016		0.0074			<0.005	<0.005
12/1/2016	<0.005					
12/5/2016			<0.005			
12/6/2016		0.0044 (J)			<0.005	<0.005
2/14/2017	<0.005					
2/15/2017			<0.005			
2/16/2017		0.0081			<0.005	<0.005
4/13/2017	0.0007 (J)					
4/18/2017		0.0084	0.0009 (J)		0.0007 (J)	
4/19/2017						0.0012 (J)
5/25/2017	0.0013 (J)					
5/30/2017					0.0008 (J)	0.0006 (J)
6/2/2017		0.008	0.0015 (J)			
7/7/2017	<0.005					
7/12/2017		0.0063				
7/13/2017			0.0006 (J)			
7/14/2017					0.0008 (J)	<0.005
3/27/2018		0.0064			0.0014 (J)	0.00076 (J)
3/28/2018			0.0015 (J)			
6/12/2018					0.00073 (J)	
6/14/2018		0.0075	0.00096 (J)			<0.005
10/16/2018	0.00095 (J)					
10/17/2018			<0.005			<0.005
10/18/2018		0.0056			<0.005	
2/25/2019					<0.005	
2/27/2019						0.001 (J)
2/28/2019		0.0058	<0.005			
4/1/2019			0.00028 (J)			
4/2/2019	0.00032 (J)	0.0057			0.0003 (J)	0.00024 (J)
9/23/2019	0.0012 (J)					
9/25/2019		0.0058	0.00085 (J)			
9/26/2019					0.00074 (J)	0.0008 (J)
2/18/2020	0.0019 (J)					
2/20/2020		0.0067			0.00042 (J)	
2/24/2020			0.00039 (J)			<0.005
3/19/2020	<0.005		0.00036 (J)		<0.005	<0.005
3/23/2020		0.0049 (J)				
5/22/2020				0.001 (J)		
6/23/2020				<0.005		
7/28/2020				0.0011 (J)		
9/2/2020				<0.005		
9/23/2020	<0.005					
9/24/2020		0.006			<0.005	<0.005
9/25/2020			<0.005			

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
10/1/2020				<0.005		
11/10/2020				<0.005		
12/15/2020				<0.005		
1/20/2021				<0.005		
2/18/2021	0.0011 (J)	0.0054		<0.005	<0.005	<0.005
2/19/2021			0.0011 (J)			
3/24/2021			0.002 (J)	0.002 (J)	0.0013 (J)	0.0017 (J)
3/30/2021		0.0053				
3/31/2021	<0.005					
8/16/2021	<0.005					
8/18/2021		0.0083	0.0039 (J)	0.0034 (J)	<0.005	
8/19/2021						0.0014 (J)
2/9/2022	<0.005			<0.005		
2/11/2022		0.0094	<0.005		<0.005	<0.005
7/26/2022	<0.005			<0.005		
7/27/2022			0.0028 (J)		<0.005	<0.005
7/28/2022		0.005				
1/25/2023	<0.005					
1/26/2023			<0.005	<0.005	<0.005	<0.005
1/27/2023		<0.005				
Mean	0.003623	0.006343	0.002741	0.004107	0.003356	0.003596
Std. Dev.	0.001945	0.001725	0.002011	0.001559	0.002107	0.001984
Upper Lim.	0.005	0.007246	0.005	0.005	0.005	0.005
Lower Lim.	0.0012	0.005441	0.0009	0.002	0.0008	0.0012

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	<0.005	0.00046 (J)	0.0011 (J)	0.0015	0.0012 (J)	
6/9/2016						0.0012 (J)
8/12/2016	<0.005	0.0008 (J)	0.0017 (J)			
8/18/2016				<0.005	0.0022 (J)	0.003 (J)
10/7/2016	<0.005	<0.005				
10/10/2016			<0.005	<0.005	0.002 (J)	0.0021 (J)
12/6/2016	<0.005					
12/7/2016		<0.005	<0.005			0.0023 (J)
12/8/2016				<0.005	<0.005	
2/16/2017	<0.005	<0.005				
2/17/2017			<0.005	<0.005	0.0023 (J)	
2/20/2017						0.0025 (J)
4/19/2017	0.0013 (J)	0.0015 (J)	0.002 (J)	0.002 (J)		0.0032 (J)
4/20/2017					0.0028 (J)	
6/1/2017	0.0005 (J)	0.0008 (J)	0.0017 (J)	0.0011 (J)		
6/5/2017					0.0035 (J)	0.0043 (J)
7/14/2017	<0.005	0.0006 (J)				
7/17/2017						0.0017 (J)
7/18/2017			0.0018 (J)	0.0015 (J)		
7/19/2017					0.0028 (J)	
3/27/2018	0.00066 (J)	0.00082 (J)				
3/28/2018			0.0018 (J)	0.0012 (J)		
3/29/2018					0.0037 (J)	0.0028 (J)
6/13/2018			0.0015 (J)			0.0019 (J)
6/14/2018	<0.005			0.00087 (J)	0.0027 (J)	
6/15/2018		0.00074 (J)				
10/18/2018	<0.005					
10/19/2018		<0.005		0.00059 (J)		
10/22/2018			<0.005		0.0016 (J)	0.0015 (J)
2/27/2019	0.00083 (J)		0.0014 (J)			
3/1/2019		<0.005			0.0011 (J)	0.0023 (J)
4/2/2019	0.00015 (J)					
4/3/2019		0.00017 (J)	0.00027 (J)	0.00038 (J)	0.0021 (J)	0.00093 (J)
9/26/2019	0.00046 (J)	0.00067 (J)	0.00087 (J)			
9/27/2019					0.0013 (J)	0.00096 (J)
9/30/2019				<0.005		
2/24/2020	<0.005	<0.005	0.00057 (J)			
2/25/2020					0.0014 (J)	0.0012 (J)
2/26/2020				0.00047 (J)		
3/20/2020	<0.005	<0.005		<0.005	0.0015 (J)	
3/23/2020			<0.005			0.0027 (J)
9/24/2020	<0.005			<0.005	0.0019 (J)	0.001 (J)
9/28/2020		<0.005	<0.005			
2/18/2021	<0.005	<0.005	0.0016 (J)			
2/19/2021				0.00079 (J)	0.0039 (J)	0.0049 (J)
3/24/2021	0.0014 (J)					
3/26/2021		<0.005				<0.005
3/29/2021			<0.005	<0.005	<0.005	
8/19/2021	0.002 (J)					
8/20/2021		<0.005	<0.005	<0.005		
8/23/2021					0.0036 (J)	0.0043 (J)
2/14/2022						0.0065

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/15/2022					0.007	
2/16/2022	<0.005	0.0022 (J)	0.0031 (J)	0.002 (J)		
7/27/2022	<0.005	<0.005	<0.005			
7/28/2022				<0.005		
8/1/2022						0.0085
8/2/2022					0.0033 (J)	
1/26/2023	<0.005					
1/27/2023		<0.005		<0.005		
1/30/2023			<0.005			
2/2/2023						0.01
2/7/2023					0.0028 (J)	
Mean	0.003578	0.003207	0.003018	0.003064	0.002596	0.003143
Std. Dev.	0.00202	0.002122	0.001853	0.002021	0.001272	0.002379
Upper Lim.	0.005	0.005	0.005	0.005	0.003101	0.003944
Lower Lim.	0.0013	0.0008	0.0015	0.0011	0.001912	0.001858

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016		0.0037				
6/9/2016	0.0016					
8/15/2016		0.003 (J)				
8/18/2016	0.0054					
10/10/2016	0.0079	0.0026 (J)				
12/7/2016	0.0121					
12/8/2016		<0.005				
1/23/2017			<0.005			
2/7/2017			<0.005			
2/20/2017	0.0063	0.0029 (J)				
3/27/2017			0.0019 (J)			
4/17/2017			0.0017 (J)			
4/19/2017	0.0051					
4/20/2017		0.0024 (J)				
5/22/2017			0.0034 (J)			
6/1/2017		0.0025 (J)				
6/5/2017	0.0072		0.0039 (J)			
7/11/2017			0.0016 (J)			
7/17/2017	0.0031 (J)	0.0021 (J)				
8/23/2017			0.001 (J)			
3/26/2018			0.0015 (J)			
3/28/2018		0.0019 (J)				
3/29/2018	0.0075 (J)					
6/13/2018	0.0045 (J)					
6/14/2018		0.0022 (J)				
6/15/2018			0.00089 (J)			
10/18/2018				0.0034 (J)		
10/19/2018						0.013
10/22/2018	0.0027 (J)	0.0026 (J)	0.00064 (J)		0.00076 (J)	
1/14/2019						0.017
3/1/2019	0.0032 (J)	0.0022 (J)	<0.005			
3/4/2019						0.02
4/2/2019			0.00024 (J)			
4/3/2019	0.0019 (J)					
4/4/2019		0.0016 (J)		0.0036 (J)		0.015
4/5/2019					0.00093 (J)	
9/24/2019				0.0055		0.016
9/26/2019					0.0018 (J)	
9/27/2019			0.00042 (J)			
9/30/2019	0.0027 (J)	0.002 (J)				
2/26/2020	0.0013 (J)	0.0018 (J)	0.00053 (J)	0.0037 (J)		
2/27/2020					0.00081 (J)	0.017
3/23/2020			<0.005	0.0054		
3/24/2020		0.0013 (J)			0.0017 (J)	0.02
3/25/2020	<0.005					
9/25/2020	0.0023 (J)		<0.005		0.00093 (J)	
9/28/2020		0.0028 (J)		0.0044 (J)		0.018
2/19/2021	0.0054					0.015
2/22/2021				0.0049 (J)		
2/23/2021		0.004 (J)			0.0032 (J)	
3/8/2021			<0.005			
3/25/2021			0.0015 (J)			

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
3/26/2021	<0.005	0.0025 (J)				
3/29/2021				0.0038 (J)		
3/30/2021					<0.005	0.016
8/19/2021		0.0019 (J)	<0.005			
8/20/2021				0.0054		
8/23/2021	0.0032 (J)					
8/24/2021						0.017
8/25/2021					0.0029 (J)	
2/14/2022			<0.005			
2/15/2022	0.0073					
2/16/2022		0.0055		0.007	0.0041 (J)	0.02
7/27/2022		0.0027 (J)				
7/28/2022				0.0051		0.015
7/29/2022					<0.005	
8/1/2022			0.0034 (J)			
8/2/2022	<0.005					
10/21/2022	0.003 (JR)					
1/27/2023		<0.005		0.0035 (J)		
1/30/2023						0.014
1/31/2023					0.004 (J)	
2/1/2023	0.0042 (J)		0.0024 (J)			
Mean	0.004392	0.002574	0.002827	0.004642	0.002594	0.01664
Std. Dev.	0.002594	0.0008838	0.001865	0.0011	0.001646	0.00224
Upper Lim.	0.005353	0.002952	0.005	0.005505	0.003099	0.01823
Lower Lim.	0.002957	0.002107	0.001	0.003779	0.001098	0.01506

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-40	BGWC-41D
10/17/2018		0.00082 (J)				
10/22/2018	0.0019 (J)					
4/2/2019		0.00039 (J)				
4/4/2019	0.0018 (J)					
9/26/2019	0.0035 (J)					
9/27/2019		0.00064 (J)				
2/25/2020	0.0013 (J)		0.04			
2/26/2020		<0.005				
2/27/2020				0.0021 (J)		
2/28/2020					0.00062 (J)	
3/23/2020		<0.005				
3/24/2020			0.028	0.0054		
3/25/2020	0.00046 (J)				0.00051 (J)	
9/2/2020				0.0012 (J)		0.00092 (J)
9/25/2020	0.0021 (J)		0.033			
9/28/2020		<0.005				
9/29/2020					<0.005	
2/22/2021	0.0034 (J)		0.019		0.0024 (J)	0.0033 (J)
3/8/2021		0.00096 (J)				
3/9/2021				0.0021 (J)		
3/25/2021		0.0021 (J)				
3/26/2021	0.002 (J)		0.013			
3/29/2021				0.0019 (J)		
3/30/2021					<0.005	
3/31/2021						0.0017 (J)
8/19/2021				<0.005		
8/20/2021	0.0021 (J)		0.014			
8/23/2021		0.0018 (J)				
8/24/2021					0.0021 (J)	0.0027 (J)
2/14/2022		<0.005		0.0036 (J)		
2/15/2022						0.0062
2/16/2022					0.0032 (J)	
2/17/2022	0.0065		0.011			
7/28/2022	<0.005		0.013		<0.005	
7/29/2022		<0.005				0.0034 (J)
8/2/2022				0.0025 (J)		
1/30/2023	0.005 (J)		0.0074			
1/31/2023					0.0022 (J)	
2/1/2023		0.0032 (J)				0.0084
2/7/2023				<0.005		
Mean	0.002713	0.002909	0.01982	0.0032	0.002892	0.003803
Std. Dev.	0.001666	0.001988	0.01122	0.001584	0.001789	0.002622
Upper Lim.	0.004021	0.005	0.03066	0.003722	0.002773	0.006917
Lower Lim.	0.001406	0.00064	0.008987	0.001285	0.0009041	0.0006886

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51
9/3/2020	0.0023 (J)	0.00099 (J)	0.0033 (J)			
1/28/2021						0.0012 (J)
2/18/2021			0.0078			
2/22/2021	0.0068					
2/23/2021						0.0048 (J)
3/8/2021		0.0013 (J)				
3/29/2021		0.001 (J)				
3/30/2021						0.0065 (J)
3/31/2021			0.0043 (J)			
4/1/2021	0.002 (J)					
4/19/2021				0.0023 (J)	0.0032 (J)	
8/18/2021			0.0019 (J)		0.0018 (J)	
8/20/2021	0.0064					
8/23/2021		0.0022 (J)				0.0033 (J)
8/24/2021				0.003 (J)		
2/9/2022			0.0062		0.0023 (J)	
2/14/2022						<0.005
2/15/2022		0.0048 (J)				
2/17/2022	0.009			0.0057		
7/26/2022			0.0041 (J)		0.0035 (J)	
7/28/2022	0.0033 (J)					
8/1/2022		0.0045 (J)		0.0076		<0.005
1/25/2023			0.0043 (J)		<0.005	
1/30/2023	0.0088					
1/31/2023						<0.005
2/1/2023				0.0073		
2/7/2023		<0.005				
Mean	0.005514	0.00247	0.004557	0.00518	0.00316	0.0044
Std. Dev.	0.002971	0.001599	0.001923	0.002432	0.001234	0.001688
Upper Lim.	0.009044	0.00437	0.006842	0.009256	0.003843	0.005738
Lower Lim.	0.001985	0.0005705	0.002272	0.001104	0.001557	0.001433

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:47 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016				0.0022
6/7/2016			0.00018 (J)	
6/8/2016		0.0024		
8/10/2016			<0.005	
8/11/2016		0.0024 (J)		0.0028 (J)
10/4/2016			<0.005	
10/5/2016				0.002 (J)
10/6/2016		<0.005		
12/2/2016			<0.005	
12/5/2016				<0.005
12/6/2016		<0.005		
2/14/2017			<0.005	
2/15/2017		0.003 (J)		0.0033 (J)
4/14/2017			0.0007 (J)	
4/17/2017				0.0028 (J)
4/18/2017		0.0029 (J)		
5/26/2017			0.0008 (J)	0.0035 (J)
6/2/2017		0.0031 (J)		
7/10/2017			0.0011 (J)	
7/11/2017				0.0033 (J)
7/14/2017		0.0017 (J)		
3/26/2018			0.0009 (J)	
3/27/2018		0.0028 (J)		0.0021 (J)
6/12/2018			0.00065 (J)	0.0015 (J)
6/13/2018		0.0023 (J)		
10/16/2018			0.00064 (J)	
10/17/2018				0.0035 (J)
10/18/2018		0.0015 (J)		
2/25/2019			<0.005	
2/28/2019		0.0011 (J)		
4/1/2019			0.00041 (J)	0.0026 (J)
4/2/2019		0.0016 (J)		
9/24/2019		0.0031 (J)	0.00047 (J)	0.0033 (J)
2/19/2020			0.0011 (J)	
2/20/2020				0.0019 (J)
2/21/2020		0.0018 (J)		
3/18/2020			0.00042 (J)	
3/19/2020		0.0018 (J)		0.0014 (J)
9/23/2020			<0.005	
9/24/2020				0.0021 (J)
9/25/2020		0.0025 (J)		
1/28/2021	0.00099 (J)			
2/16/2021			<0.005	
2/17/2021				0.0019 (J)
2/18/2021		0.0026 (J)		
2/23/2021	0.0028 (J)			
3/24/2021			0.0012 (J)	0.0025 (J)
3/30/2021	0.001 (J)	0.0017 (J)		
8/18/2021			0.0014 (J)	0.0025 (J)
8/19/2021		0.0045 (J)		
8/23/2021	0.002 (J)			
2/10/2022			<0.005	0.0018 (J)

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
2/11/2022		0.0022 (J)		
2/14/2022	<0.005			
7/26/2022			<0.005	<0.005
7/28/2022	<0.005	0.0024 (J)		
1/26/2023		0.0025 (J)	<0.005	<0.005
1/31/2023	<0.005			
Mean	0.003113	0.002387	0.002607	0.002477
Std. Dev.	0.00187	0.0007111	0.002162	0.0006241
Upper Lim.	0.005	0.002759	0.005	0.002812
Lower Lim.	0.00099	0.002015	0.00065	0.002142

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	0.015					
6/7/2016		0.091	0.027		0.027	0.017
8/10/2016	0.0142					
8/11/2016					0.0292	0.0152
8/12/2016			0.026			
8/16/2016		0.0667				
10/4/2016	0.0137					
10/6/2016			0.0308			
10/7/2016		0.0631			0.0295	0.0225
12/1/2016	0.0144					
12/5/2016			0.0258			
12/6/2016		0.0659			0.0367	0.0171
2/14/2017	0.0114					
2/15/2017			0.029			
2/16/2017		0.0621			0.0315	0.0187
4/13/2017	0.0115					
4/18/2017		0.0545	0.0294		0.0272	
4/19/2017						0.0183
5/25/2017	0.0122					
5/30/2017					0.0316	0.0179
6/2/2017		0.0555	0.0354			
7/7/2017	0.012					
7/12/2017		0.0572				
7/13/2017			0.0329			
7/14/2017					0.029	0.0191
3/27/2018		0.051			0.027	0.015
3/28/2018			0.034			
6/12/2018					0.029	
6/14/2018		0.053	0.032			0.016
10/16/2018	0.011					
10/17/2018			0.033			0.015
10/18/2018		0.053			0.026	
2/25/2019					0.028	
2/27/2019						0.014
2/28/2019		0.053	0.033			
4/1/2019			0.023			
4/2/2019	0.011	0.045			0.025	0.015
9/23/2019	0.012					
9/25/2019		0.047	0.035			
9/26/2019					0.031	0.023
2/18/2020	0.012					
2/20/2020		0.049			0.026	
2/24/2020			0.033			0.014
3/19/2020	0.013		0.034		0.027	0.017
3/23/2020		0.042				
5/22/2020				0.036		
6/23/2020				0.029		
7/28/2020				0.049		
9/2/2020				0.04		
9/23/2020	0.01					
9/24/2020		0.041			0.028	0.022
9/25/2020			0.038			

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
10/1/2020				0.039		
11/10/2020				0.037		
12/15/2020				0.042		
1/20/2021				0.042		
2/18/2021	0.012	0.039		0.036	0.028	0.017
2/19/2021			0.043			
3/24/2021			0.039	0.032	0.028	0.018
3/30/2021		0.041				
3/31/2021	0.052					
8/16/2021	0.044					
8/18/2021		0.036	0.042	0.04	0.027	
8/19/2021						0.015
2/9/2022	0.043			0.022		
2/11/2022		0.044	0.043		0.03	0.015
7/26/2022	0.016			0.038		
7/27/2022			0.045		0.033	0.015
7/28/2022		0.042				
1/25/2023	0.064					
1/26/2023			0.052	0.025	0.033	0.015
1/27/2023		0.04				
Mean	0.02022	0.05183	0.03458	0.03621	0.02903	0.01703
Std. Dev.	0.0162	0.01236	0.006984	0.00717	0.002754	0.002631
Upper Lim.	0.016	0.05829	0.03823	0.04129	0.03047	0.01819
Lower Lim.	0.0115	0.04536	0.03093	0.03114	0.02759	0.01561

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	0.039	0.036	0.036	0.054	0.092	
6/9/2016						0.11
8/12/2016	0.031	0.0412	0.0283			
8/18/2016				0.0479	0.0953	0.0893
10/7/2016	0.0427	0.0427				
10/10/2016			0.0288	0.0433	0.0954	0.0839
12/6/2016	0.0398					
12/7/2016		0.0338	0.0279			0.0912
12/8/2016				0.0474	0.0991	
2/16/2017	0.0309	0.0407				
2/17/2017			0.0316	0.0483	0.0927	
2/20/2017						0.0813
4/19/2017	0.0325	0.042	0.0367	0.0486		0.087
4/20/2017					0.086	
6/1/2017	0.0331	0.0341	0.0361	0.0468		
6/5/2017					0.0875	0.084
7/14/2017	0.0349	0.0405				
7/17/2017						0.0809
7/18/2017			0.0346	0.0494		
7/19/2017					0.0877	
3/27/2018	0.027	0.029				
3/28/2018			0.03	0.043		
3/29/2018					0.088	0.085
6/13/2018			0.031			0.091
6/14/2018	0.032			0.042	0.093	
6/15/2018		0.032				
10/18/2018	0.033					
10/19/2018		0.037		0.038		
10/22/2018			0.03		0.088	0.087
2/27/2019	0.027		0.032			
3/1/2019		0.028			0.087	0.097
4/2/2019	0.028					
4/3/2019		0.033	0.029	0.033	0.082	0.087
9/26/2019	0.042	0.049	0.032			
9/27/2019					0.095	0.11
9/30/2019				0.036		
2/24/2020	0.028	0.024	0.033			
2/25/2020					0.062	0.12
2/26/2020				0.024		
3/20/2020	0.031	0.034		0.03	0.075	
3/23/2020			0.032			0.11
9/24/2020	0.031			0.031	0.093	0.12
9/28/2020		0.03	0.032			
2/18/2021	0.034	0.026	0.039			
2/19/2021				0.03	0.086	0.12
3/24/2021	0.031					
3/26/2021		0.028				0.12
3/29/2021			0.033	0.025	0.079	
8/19/2021	0.029					
8/20/2021		0.035	0.034	0.024		
8/23/2021					0.073	0.11
2/14/2022						0.11

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/15/2022					0.074	
2/16/2022	0.032	0.036	0.035	0.028		
7/27/2022	0.029	0.039	0.032			
7/28/2022				0.025		
8/1/2022						0.099
8/2/2022					0.074	
1/26/2023	0.034					
1/27/2023		0.023		0.021		
1/30/2023			0.036			
2/2/2023						0.088
2/7/2023					0.058	
Mean	0.03269	0.03452	0.03261	0.03708	0.08447	0.09833
Std. Dev.	0.004459	0.006549	0.002954	0.01034	0.01081	0.01418
Upper Lim.	0.03502	0.03795	0.03415	0.04263	0.09012	0.11
Lower Lim.	0.03036	0.0311	0.03106	0.03153	0.07881	0.085

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016		0.038				
6/9/2016	0.14					
8/15/2016		0.0321				
8/18/2016	0.113					
10/10/2016	0.0888	0.0283				
12/7/2016	0.0289					
12/8/2016		0.0294				
1/23/2017			0.237			
2/7/2017			0.191			
2/20/2017	0.0999	0.0275				
3/27/2017			0.197			
4/17/2017			0.192			
4/19/2017	0.114					
4/20/2017		0.0279				
5/22/2017			0.197			
6/1/2017		0.0313				
6/5/2017	0.135		0.201			
7/11/2017			0.179			
7/17/2017	0.134	0.0251				
8/23/2017			0.15			
3/26/2018			0.1			
3/28/2018		0.018				
3/29/2018	0.08					
6/13/2018	0.1					
6/14/2018		0.019				
6/15/2018			0.087			
10/18/2018				0.055		
10/19/2018						0.038
10/22/2018	0.1	0.018	0.1		0.096	
3/1/2019	0.12	0.021	0.078			
4/2/2019			0.075			
4/3/2019	0.095					
4/4/2019		0.016		0.032		0.031
4/5/2019					0.085	
9/24/2019				0.038		0.036
9/26/2019					0.12	
9/27/2019			0.08			
9/30/2019	0.098	0.016				
2/26/2020	0.1	0.015	0.062	0.033		
2/27/2020					0.092	0.036
3/23/2020			0.075	0.038		
3/24/2020		0.015			0.094	0.043
3/25/2020	0.096					
9/25/2020	0.088		0.07		0.14	
9/28/2020		0.016		0.038		0.042
2/19/2021	0.081					0.053
2/22/2021				0.041		
2/23/2021		0.019			0.13	
3/8/2021			0.074			
3/25/2021			0.06			
3/26/2021	0.075	0.018				
3/29/2021				0.039		

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
3/30/2021					0.13	0.048
8/19/2021		0.019	0.094			
8/20/2021				0.041		
8/23/2021	0.077					
8/24/2021						0.048
8/25/2021					0.099	
2/14/2022			0.072			
2/15/2022	0.077					
2/16/2022		0.019		0.042	0.096	0.052
7/27/2022		0.016				
7/28/2022				0.039		0.051
7/29/2022					0.09	
8/1/2022			0.061			
8/2/2022	0.022					
10/21/2022	0.057 (R)					
1/27/2023		0.015		0.042		
1/30/2023						0.055
1/31/2023					0.1	
2/1/2023	0.052		0.062			
Mean	0.09048	0.02172	0.1171	0.03983	0.106	0.04442
Std. Dev.	0.02994	0.006701	0.05925	0.005734	0.01865	0.007879
Upper Lim.	0.1058	0.02423	0.191	0.04404	0.1198	0.0506
Lower Lim.	0.0752	0.01793	0.072	0.03547	0.09157	0.03823

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018		0.11				
10/22/2018	0.065					
4/2/2019		0.074				
4/4/2019	0.071					
9/26/2019	0.085					
9/27/2019		0.084				
2/25/2020	0.099		0.12			
2/26/2020		0.064				
2/27/2020				0.24	0.06	
2/28/2020						0.045
3/23/2020		0.062				
3/24/2020			0.1	0.17	0.04	
3/25/2020	0.12					0.048
9/2/2020				0.19		
9/25/2020	0.11		0.1			
9/28/2020		0.067				
9/29/2020					0.096	0.047
2/22/2021	0.091		0.09		0.054	0.061
3/8/2021		0.073				
3/9/2021				0.096		
3/25/2021		0.073				
3/26/2021	0.07		0.089			
3/29/2021				0.082		
3/30/2021						0.06
3/31/2021					0.06	
8/19/2021				0.14		
8/20/2021	0.069		0.09			
8/23/2021		0.066				
8/24/2021					0.065	0.053
2/14/2022		0.064		0.15		
2/16/2022					0.067	0.055
2/17/2022	0.071		0.087			
7/28/2022	0.06		0.094			0.047
7/29/2022		0.062				
8/2/2022				0.12	0.07	
1/30/2023	0.059		0.087			
1/31/2023						0.047
2/1/2023		0.058				
2/2/2023					0.039	
2/7/2023				0.11		
Mean	0.08083	0.07142	0.09522	0.1442	0.06122	0.05144
Std. Dev.	0.02011	0.01406	0.01054	0.04992	0.01708	0.006044
Upper Lim.	0.09661	0.084	0.12	0.1924	0.07771	0.05717
Lower Lim.	0.06506	0.062	0.087	0.09602	0.04473	0.04573

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D
9/2/2020	0.046					
9/3/2020		0.087	0.083	0.02		
2/18/2021				0.026		
2/22/2021	0.053	0.13				
3/8/2021			0.068			
3/29/2021			0.065			
3/31/2021	0.058			0.025		
4/1/2021		0.058				
4/19/2021					0.077	0.033
8/18/2021				0.021		0.028
8/20/2021		0.12				
8/23/2021			0.07			
8/24/2021	0.06				0.094	
2/9/2022				0.023		0.049
2/15/2022	0.063		0.076			
2/17/2022		0.12			0.077	
7/26/2022				0.022		0.051
7/28/2022		0.084				
7/29/2022	0.06					
8/1/2022			0.066		0.062	
1/25/2023				0.012		0.067
1/30/2023		0.13				
2/1/2023	0.071				0.055	
2/7/2023			0.059			
Mean	0.05871	0.1041	0.06957	0.02129	0.073	0.0456
Std. Dev.	0.007825	0.0279	0.00785	0.004608	0.01515	0.01555
Upper Lim.	0.06801	0.1373	0.0789	0.02676	0.09839	0.07166
Lower Lim.	0.04942	0.07101	0.06025	0.01581	0.04761	0.01954

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016				0.034
6/7/2016			0.0051	
6/8/2016		0.048		
8/10/2016			0.0264	
8/11/2016		0.0428		0.0305
10/4/2016			0.0316	
10/5/2016				0.0289
10/6/2016		0.0404		
12/2/2016			0.026	
12/5/2016				0.0269
12/6/2016		0.0385		
2/14/2017			0.0299	
2/15/2017		0.039		0.0299
4/14/2017			0.0275	
4/17/2017				0.0318
4/18/2017		0.0392		
5/26/2017			0.0328	0.0341
6/2/2017		0.0407		
7/10/2017			0.0305	
7/11/2017				0.0355
7/14/2017		0.0394		
3/26/2018			0.029	
3/27/2018		0.039		0.026
6/12/2018			0.031	0.024
6/13/2018		0.038		
10/16/2018			0.034	
10/17/2018				0.037
10/18/2018		0.037		
2/25/2019			0.03	
2/28/2019		0.041		
4/1/2019			0.025	0.027
4/2/2019		0.031		
9/24/2019		0.035	0.03	0.035
2/19/2020			0.032	
2/20/2020				0.025
2/21/2020		0.03		
3/18/2020			0.028	
3/19/2020		0.031		0.028
9/23/2020			0.029	
9/24/2020				0.031
9/25/2020		0.03		
1/28/2021	0.076			
2/16/2021			0.028	
2/17/2021				0.03
2/18/2021		0.031		
2/23/2021	0.095			
3/24/2021			0.027	0.026
3/30/2021	0.084	0.035		
8/18/2021			0.029	0.025
8/19/2021		0.028		
8/23/2021	0.063			
2/10/2022			0.027	0.026

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
2/11/2022		0.029		
2/14/2022	0.029			
7/26/2022			0.029	0.029
7/28/2022	0.021	0.028		
1/26/2023		0.029	0.029	0.027
1/31/2023	0.032			
Mean	0.05714	0.03565	0.02812	0.02944
Std. Dev.	0.02965	0.005559	0.005484	0.003795
Upper Lim.	0.09236	0.03856	0.03045	0.03147
Lower Lim.	0.02192	0.03274	0.02718	0.0274

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-22
6/7/2016	<0.0005	<0.003	<0.0005			
6/8/2016				<0.0005	<0.0005	<0.003
8/11/2016		<0.003	<0.0005			
8/12/2016	<0.0005			<0.0005	<0.0005	
8/18/2016						<0.003
10/6/2016	<0.0005					
10/7/2016		<0.003	<0.0005	<0.0005	<0.0005	
10/10/2016						<0.003
12/5/2016	<0.0005					
12/6/2016		<0.003	<0.0005	<0.0005		
12/7/2016					<0.0005	
12/8/2016						<0.003
2/15/2017	<0.0005					
2/16/2017		<0.003	<0.0005	<0.0005	<0.0005	
2/17/2017						<0.003
4/18/2017	<0.0005	<0.003				
4/19/2017			<0.0005	<0.0005	8E-05 (J)	
4/20/2017						<0.003
5/30/2017		<0.003	<0.0005			
6/1/2017				9E-05 (J)	7E-05 (J)	
6/2/2017	<0.0005					
6/5/2017						<0.003
7/13/2017	<0.0005					
7/14/2017		<0.003	<0.0005	<0.0005	<0.0005	
7/19/2017						<0.003
3/27/2018		<0.003	<0.0005	<0.0005	<0.0005	
3/28/2018	<0.0005					
3/29/2018						<0.003
2/25/2019		8.7E-05 (J)				
2/27/2019			<0.0005	0.00011 (J)		
2/28/2019	7.6E-05 (J)					
3/1/2019					<0.0005	0.00012 (J)
4/1/2019	<0.0005					
4/2/2019		6.3E-05 (J)	<0.0005	5.2E-05 (J)		
4/3/2019					<0.0005	6.7E-05 (J)
9/25/2019	<0.0005					
9/26/2019		8E-05 (J)	<0.0005	<0.0005	<0.0005	
9/27/2019						9.9E-05 (J)
2/20/2020		0.00012 (J)				
2/24/2020	<0.0005		<0.0005	<0.0005	<0.0005	
2/25/2020						9.3E-05 (J)
3/19/2020	<0.0005	0.00012 (J)	<0.0005			
3/20/2020				7.6E-05 (J)	<0.0005	8.8E-05 (J)
9/24/2020		0.00011 (J)	5.4E-05 (J)	<0.0005		0.00012 (J)
9/25/2020	<0.0005					
9/28/2020					8.8E-05 (J)	
2/18/2021		0.00013 (J)	6.5E-05 (J)	6.8E-05 (J)	5.2E-05 (J)	
2/19/2021	4.6E-05 (J)					0.00013 (J)
3/24/2021	<0.0005	0.00014 (J)	<0.0005	6.1E-05 (J)		
3/26/2021					5.5E-05 (J)	
3/29/2021						0.00011 (J)
8/18/2021	<0.0005	0.00013 (J)				

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-22
8/19/2021			6.1E-05 (J)	<0.0005		
8/20/2021					8.7E-05 (J)	
8/23/2021						0.00011 (J)
2/11/2022	<0.0005	0.00013 (J)	<0.0005			
2/15/2022						0.00012 (J)
2/16/2022				6.3E-05 (J)	0.0001 (J)	
7/27/2022	<0.0005	0.00017 (J)	5.8E-05 (J)	<0.0005	6.1E-05 (J)	
8/2/2022						0.00012 (J)
1/26/2023	<0.0005	0.00015 (J)	<0.0005	0.0001 (J)		
1/27/2023					<0.0005	
2/7/2023						0.00013 (J)
Mean	0.0004582	0.001354	0.0004161	0.000339	0.0003378	0.001348
Std. Dev.	0.0001321	0.001461	0.0001773	0.0002106	0.0002122	0.001466
Upper Lim.	0.0005	0.003	0.0005	0.0005	0.0005	0.003
Lower Lim.	7.6E-05	0.00012	6.5E-05	7.6E-05	8E-05	0.00011

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-23	BGWC-24	BGWC-36D	BGWC-38D	BGWC-39	BGWC-51
6/9/2016	<0.0005	<0.0005				
8/18/2016	<0.0005	<0.0005				
10/10/2016	<0.0005	<0.0005				
12/7/2016	<0.0005	<0.0005				
2/20/2017	<0.0005	<0.0005				
4/19/2017	<0.0005	<0.0005				
6/5/2017	<0.0005	<0.0005				
7/17/2017	<0.0005	<0.0005				
3/29/2018	<0.0005	<0.0005				
3/1/2019	<0.0005	<0.0005				
4/2/2019			7E-05 (J)			
4/3/2019	<0.0005	<0.0005				
9/27/2019	<0.0005		<0.0005			
9/30/2019		9.3E-05 (J)				
2/25/2020	<0.0005					
2/26/2020		0.0001 (J)	<0.0005			
2/27/2020				8.8E-05 (J)	<0.0005	
3/23/2020	<0.0005		<0.0005			
3/24/2020				<0.0005	7.9E-05 (J)	
3/25/2020		0.0001 (J)				
9/2/2020				6E-05 (J)		
9/24/2020	5.4E-05 (J)					
9/25/2020		0.00013 (J)				
9/28/2020			<0.0005			
9/29/2020				<0.0005		
1/28/2021						8.3E-05 (J)
2/19/2021	<0.0005	0.00018 (J)				
2/22/2021				<0.0005		
2/23/2021						0.00011 (J)
3/8/2021			<0.0005			
3/9/2021				<0.0005		
3/25/2021			<0.0005			
3/26/2021	<0.0005	<0.0005				
3/29/2021				<0.0005		
3/30/2021						0.00021 (J)
3/31/2021					<0.0005	
8/19/2021				5.9E-05 (J)		
8/23/2021	<0.0005	0.00017 (J)	<0.0005			0.00013 (J)
8/24/2021					<0.0005	
2/14/2022	<0.0005		<0.0005	<0.0005		7E-05 (J)
2/15/2022		0.00027 (J)				
2/16/2022					<0.0005	
7/29/2022			<0.0005			
8/1/2022	<0.0005					<0.0005
8/2/2022		<0.0005		5.4E-05 (J)	<0.0005	
10/21/2022		0.00022 (JR)				
1/31/2023						7.2E-05 (J)
2/1/2023		0.00031 (J)	<0.0005			
2/2/2023	<0.0005				<0.0005	
2/7/2023				8.7E-05 (J)		
Mean	0.0004788	0.000367	0.0004609	0.0002609	0.0004532	0.0001321
Std. Dev.	9.733E-05	0.0001707	0.0001296	0.0002271	0.0001403	7.111E-05

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-23	BGWC-24	BGWC-36D	BGWC-38D	BGWC-39	BGWC-51
Upper Lim.	0.0005	0.0005	0.0005	0.0005	0.0005	0.0002166
Lower Lim.	5.4E-05	0.00018	0.0005	5.4E-05	7.9E-05	4.768E-05

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52
1/28/2021	<0.0005
2/23/2021	<0.0005
3/30/2021	5.2E-05 (J)
8/23/2021	<0.0005
2/14/2022	<0.0005
7/28/2022	<0.0005
1/31/2023	<0.0005
Mean	0.000436
Std. Dev.	0.0001693
Upper Lim.	0.0005
Lower Lim.	5.2E-05

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
6/7/2016		0.0011 (J)	<0.0005			
6/8/2016				0.00063 (J)	<0.0005	<0.0005
8/11/2016		0.0011	0.0001 (J)			
8/12/2016				0.0004 (J)	<0.0005	<0.0005
10/7/2016		0.0012	0.0002 (J)	0.0008 (J)	0.0001 (J)	
10/10/2016						<0.0005
12/6/2016		0.0012	0.0001 (J)	0.0006 (J)		
12/7/2016					<0.0005	<0.0005
2/16/2017		0.0015	0.0001 (J)	0.0002 (J)	<0.0005	
2/17/2017						8E-05 (J)
4/18/2017		0.0012				
4/19/2017			0.0001 (J)	9E-05 (J)	<0.0005	<0.0005
5/30/2017		0.0011	0.0002 (J)			
6/1/2017				0.0003 (J)	0.0001 (J)	<0.0005
7/14/2017		0.0012	0.0002 (J)	0.0002 (J)	<0.0005	
7/18/2017						<0.0005
3/27/2018		0.0013	<0.0005	<0.0005	<0.0005	
3/28/2018						<0.0005
6/12/2018		0.0011				
6/13/2018						<0.0005
6/14/2018			0.00015 (J)	<0.0005		
6/15/2018					<0.0005	
10/17/2018			<0.0005			
10/18/2018		0.0012		0.00032 (J)		
10/19/2018					<0.0005	
10/22/2018						<0.0005
2/25/2019		0.0016				
2/27/2019			<0.0005	<0.0005		<0.0005
3/1/2019					<0.0005	
4/2/2019		0.0014	<0.0005	7.3E-05 (J)		
4/3/2019					<0.0005	<0.0005
9/26/2019		0.0017 (J)	0.00015 (J)	<0.0005	0.0002 (J)	<0.0005
2/20/2020		0.0019 (J)				
2/24/2020			<0.0005	0.00024 (J)	<0.0005	<0.0005
3/19/2020		0.0017 (J)	<0.0005			
3/20/2020				<0.0005	<0.0005	
3/23/2020						<0.0005
5/22/2020	<0.0005					
6/23/2020	<0.0005					
7/28/2020	<0.0005					
9/2/2020	0.00014 (J)					
9/24/2020		0.0018 (J)	0.00024 (J)	<0.0005		
9/28/2020					<0.0005	<0.0005
10/1/2020	0.00019 (J)					
11/10/2020	0.00019 (J)					
12/15/2020	0.00017					
1/20/2021	<0.0005					
2/18/2021	<0.0005	0.0018	<0.0005	<0.0005	<0.0005	<0.0005
3/24/2021	0.00016 (J)	0.0018	<0.0005	<0.0005		
3/26/2021					<0.0005	
3/29/2021						<0.0005
8/18/2021	0.00021 (J)	0.0018				

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
8/19/2021			0.00017 (J)	<0.0005		
8/20/2021					<0.0005	<0.0005
2/9/2022	0.00021 (J)					
2/11/2022		0.0019	0.00016 (J)			
2/16/2022				<0.0005	<0.0005	<0.0005
7/26/2022	0.0004 (J)					
7/27/2022		0.0024	0.00029 (J)	<0.0005	<0.0005	<0.0005
1/26/2023	<0.0005	0.0021	<0.0005	<0.0005		
1/27/2023					<0.0005	
1/30/2023						<0.0005
Mean	0.0003336	0.001526	0.0003113	0.0004284	0.0004522	0.0004817
Std. Dev.	0.0001609	0.0003732	0.0001748	0.0001757	0.0001275	8.758E-05
Upper Lim.	0.0005	0.001721	0.0005	0.0006	0.0005	0.0005
Lower Lim.	0.00017	0.001331	0.00015	0.0003	0.0002	8E-05

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-38D	BGWC-39
6/8/2016	<0.0005					
6/9/2016		<0.0005	0.00052 (J)			
8/18/2016	<0.0005	<0.0005	0.0009 (J)			
10/10/2016	<0.0005	<0.0005	0.0017			
12/7/2016		<0.0005	0.0004 (J)			
12/8/2016	0.0002 (J)					
1/23/2017				0.0003 (J)		
2/7/2017				0.0006 (J)		
2/17/2017	<0.0005					
2/20/2017		<0.0005	0.0028			
3/27/2017				0.0003 (J)		
4/17/2017				0.0002 (J)		
4/19/2017		<0.0005	0.0035			
4/20/2017	<0.0005					
5/22/2017				0.0003 (J)		
6/5/2017	<0.0005	<0.0005	0.0035	0.0003 (J)		
7/11/2017				0.0005 (J)		
7/17/2017		<0.0005	0.0037			
7/19/2017	<0.0005					
8/23/2017				0.0004 (J)		
3/26/2018				<0.0005		
3/29/2018	<0.0005	<0.0005	0.0063			
6/13/2018		<0.0005	0.0053			
6/14/2018	<0.0005					
6/15/2018				0.0002 (J)		
10/22/2018	<0.0005	<0.0005	0.0053	<0.0005		
3/1/2019	0.00013 (J)	0.00019 (J)	0.0058	<0.0005		
4/2/2019				7.9E-05 (J)		
4/3/2019	<0.0005	<0.0005	0.0053			
9/27/2019	<0.0005	<0.0005		<0.0005		
9/30/2019			0.0075			
2/25/2020	<0.0005	<0.0005				
2/26/2020			0.0064	<0.0005		
2/27/2020					0.00081 (J)	<0.0005
3/20/2020	<0.0005					
3/23/2020		<0.0005		<0.0005		
3/24/2020					<0.0005	<0.0005
3/25/2020			0.0082			
9/2/2020					0.00032 (J)	
9/24/2020	0.00033 (J)	<0.0005				
9/25/2020			0.0081	<0.0005		
9/29/2020						0.0002 (J)
2/19/2021	0.00038 (J)	<0.0005	0.0068			
2/22/2021						0.00014 (J)
3/8/2021				<0.0005		
3/9/2021					<0.0005	
3/25/2021				<0.0005		
3/26/2021		<0.0005	0.0062			
3/29/2021	<0.0005				<0.0005	
3/31/2021						0.00018 (J)
8/19/2021				<0.0005	<0.0005	
8/23/2021	0.00019 (J)	<0.0005	0.0039			

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-38D	BGWC-39
8/24/2021						0.00031 (J)
2/14/2022		<0.0005		<0.0005	<0.0005	
2/15/2022	0.0002 (J)		0.0042			
2/16/2022						0.00012 (J)
8/1/2022		<0.0005		<0.0005		
8/2/2022	0.00012 (J)		0.00026 (J)		<0.0005	<0.0005
10/21/2022			0.0031 (R)			
2/1/2023			0.0032	<0.0005		
2/2/2023		<0.0005				<0.0005
2/7/2023	0.001				<0.0005	
Mean	0.000437	0.0004865	0.004287	0.0004208	0.0005144	0.0003278
Std. Dev.	0.0001858	6.464E-05	0.002416	0.0001337	0.0001258	0.0001716
Upper Lim.	0.0005	0.0005	0.00552	0.0005	0.00081	0.0005
Lower Lim.	0.00033	0.00019	0.003054	0.0003	0.00032	0.00012

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-51	BGWC-52
9/3/2020	0.0011 (J)		
1/28/2021		0.00031 (J)	0.00025 (J)
2/23/2021		0.00043 (J)	<0.0005
3/8/2021	0.0003 (J)		
3/29/2021	0.00019 (J)		
3/30/2021		0.0007	0.00018 (J)
8/23/2021	0.00036 (J)	0.00043 (J)	0.00018 (J)
2/14/2022		<0.0005	<0.0005
2/15/2022	0.0015		
7/28/2022			<0.0005
8/1/2022	0.0011	<0.0005	
1/31/2023		<0.0005	<0.0005
2/7/2023	0.00014 (J)		
Mean	0.00067	0.0004814	0.0003729
Std. Dev.	0.0005482	0.000118	0.0001603
Upper Lim.	0.001321	0.0005582	0.0005
Lower Lim.	1.887E-05	0.0002418	0.00018

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.005					
6/7/2016		<0.005	<0.005		<0.005	<0.005
8/10/2016	0.0044 (J)					
8/11/2016					<0.005	<0.005
8/12/2016			<0.005			
8/16/2016		<0.005				
10/4/2016	<0.005					
10/6/2016			<0.005			
10/7/2016		<0.005			<0.005	<0.005
12/1/2016	<0.005					
12/5/2016			<0.005			
12/6/2016		<0.005			<0.005	<0.005
2/14/2017	<0.005					
2/15/2017			<0.005			
2/16/2017		<0.005			<0.005	<0.005
4/13/2017	<0.005					
4/18/2017		<0.005	<0.005		<0.005	
4/19/2017						<0.005
5/25/2017	<0.005					
5/30/2017					<0.005	<0.005
6/2/2017		<0.005	0.0003 (J)			
7/7/2017	<0.005					
7/12/2017		<0.005				
7/13/2017			<0.005			
7/14/2017					<0.005	<0.005
3/27/2018		<0.005			<0.005	<0.005
3/28/2018			<0.005			
2/25/2019					<0.005	
2/27/2019						<0.005
2/28/2019		<0.005	<0.005			
4/1/2019			<0.005			
4/2/2019	<0.005	<0.005			<0.005	0.00044 (J)
9/23/2019	<0.005					
9/25/2019		<0.005	0.00055 (J)			
9/26/2019					<0.005	<0.005
2/18/2020	<0.005					
2/20/2020		<0.005			<0.005	
2/24/2020			<0.005			<0.005
3/19/2020	0.0015 (J)		0.0004 (J)		0.00071 (J)	0.00039 (J)
3/23/2020		0.0011 (J)				
5/22/2020				<0.005		
6/23/2020				<0.005		
7/28/2020				<0.005		
9/2/2020				<0.005		
9/23/2020	<0.005					
9/24/2020		<0.005			<0.005	<0.005
9/25/2020			0.00058 (J)			
10/1/2020				<0.005		
11/10/2020				<0.005		
12/15/2020				<0.005		
1/20/2021				<0.005		
2/18/2021	<0.005	<0.005		0.026	0.0019 (J)	<0.005

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2021			<0.005			
3/24/2021			0.00079 (J)	<0.005	<0.005	<0.005
3/30/2021		<0.005				
3/31/2021	<0.005					
8/16/2021	<0.005					
8/18/2021		<0.005	<0.005	<0.005	<0.005	
8/19/2021						<0.005
2/9/2022	<0.005			<0.005		
2/11/2022		<0.005	<0.005		<0.005	<0.005
7/26/2022	<0.005			<0.005		
7/27/2022			<0.005		<0.005	<0.005
7/28/2022		<0.005				
1/25/2023	<0.005					
1/26/2023			0.0018 (J)	0.0014 (J)	<0.005	<0.005
1/27/2023		<0.005				
Mean	0.004784	0.004814	0.003782	0.006243	0.004648	0.004563
Std. Dev.	0.0008071	0.000851	0.001992	0.005767	0.001127	0.001379
Upper Lim.	0.005	0.005	0.005	0.026	0.005	0.005
Lower Lim.	0.0044	0.0011	0.00079	0.0014	0.0019	0.00044

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-20	BGWC-21	BGWC-23	BGWC-24	BGWC-25
6/8/2016	<0.005	<0.005	<0.005			<0.005
6/9/2016				<0.005	<0.005	
8/12/2016	<0.005	<0.005				
8/15/2016						<0.005
8/18/2016			<0.005	<0.005	<0.005	
10/7/2016	0.0011 (J)					
10/10/2016		<0.005	<0.005	<0.005	0.0009 (J)	<0.005
12/6/2016	<0.005					
12/7/2016		<0.005		0.002 (J)	<0.005	
12/8/2016			<0.005			<0.005
2/16/2017	<0.005					
2/17/2017		<0.005	<0.005			
2/20/2017				<0.005	<0.005	<0.005
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005	
4/20/2017						<0.005
6/1/2017	<0.005	<0.005	<0.005			<0.005
6/5/2017				<0.005	<0.005	
7/14/2017	<0.005					
7/17/2017				<0.005	<0.005	<0.005
7/18/2017		<0.005	<0.005			
3/27/2018	<0.005					
3/28/2018		<0.005	<0.005			<0.005
3/29/2018				<0.005	<0.005	
2/27/2019	<0.005	0.0048 (J)				
3/1/2019				0.0033 (J)	<0.005	<0.005
4/2/2019	<0.005					
4/3/2019		0.00088 (J)	<0.005	0.00057 (J)	<0.005	
4/4/2019						<0.005
9/26/2019	<0.005	0.0022 (J)				
9/27/2019				<0.005		
9/30/2019			<0.005		<0.005	0.0021 (J)
2/24/2020	<0.005	0.00096 (J)				
2/25/2020				<0.005		
2/26/2020			<0.005		0.00051 (J)	<0.005
3/20/2020	0.00046 (J)		0.00041 (J)			
3/23/2020		0.00091 (J)		0.00043 (J)		
3/24/2020						<0.005
3/25/2020					<0.005	
9/24/2020	<0.005		<0.005	<0.005		
9/25/2020					0.00058 (J)	
9/28/2020		0.0028 (J)				<0.005
2/18/2021	<0.005	0.00078 (J)				
2/19/2021			<0.005	<0.005	<0.005	
2/23/2021						<0.005
3/24/2021	0.00065 (J)					
3/26/2021				<0.005	<0.005	<0.005
3/29/2021		0.0011 (J)	0.0025 (J)			
8/19/2021	<0.005					<0.005
8/20/2021		<0.005	<0.005			
8/23/2021				0.0015 (J)	<0.005	
2/14/2022				<0.005		
2/15/2022					<0.005	

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-20	BGWC-21	BGWC-23	BGWC-24	BGWC-25
2/16/2022	<0.005	<0.005	<0.005			<0.005
7/27/2022	<0.005	<0.005				<0.005
7/28/2022			<0.005			
8/1/2022				<0.005		
8/2/2022					<0.005	
10/21/2022					<0.005 (R)	
1/26/2023	<0.005					
1/27/2023			<0.005			<0.005
1/30/2023		<0.005				
2/1/2023					<0.005	
2/2/2023				<0.005		
Mean	0.004391	0.003782	0.004645	0.004181	0.004409	0.004862
Std. Dev.	0.001532	0.001798	0.001143	0.00159	0.001525	0.0006328
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0011	0.0011	0.0025	0.0033	0.0009	0.0021

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-35D	BGWC-36D	BGWC-37D
1/23/2017	0.001 (J)					
2/7/2017	<0.005					
3/27/2017	<0.005					
4/17/2017	<0.005					
5/22/2017	0.0004 (J)					
6/5/2017	0.0004 (J)					
7/11/2017	0.0012 (J)					
8/23/2017	0.0009 (J)					
3/26/2018	<0.005					
3/1/2019	<0.005					
4/2/2019	0.00095 (J)				0.001 (J)	
4/4/2019		<0.005		0.0011 (J)		
4/5/2019			<0.005			
9/24/2019		0.00064 (J)				
9/26/2019			0.00062 (J)	0.00067 (J)		
9/27/2019	0.00056 (J)				0.0006 (J)	
2/25/2020				<0.005		<0.005
2/26/2020	0.00073 (J)	<0.005			<0.005	
2/27/2020			0.00072 (J)			
3/23/2020	0.00098 (J)	0.0011 (J)			<0.005	
3/24/2020			0.0012 (J)			0.00068 (J)
3/25/2020				<0.005		
9/25/2020	0.00087 (J)		0.00057 (J)	0.00072 (J)		0.00068 (J)
9/28/2020		0.00056 (J)			<0.005	
2/22/2021		<0.005		<0.005		<0.005
2/23/2021			<0.005			
3/8/2021	0.0011 (J)				0.00057 (J)	
3/25/2021	0.00082 (J)				0.00057 (J)	
3/26/2021				<0.005		<0.005
3/29/2021		<0.005				
3/30/2021			<0.005			
8/19/2021	<0.005					
8/20/2021		<0.005		<0.005		<0.005
8/23/2021					<0.005	
8/25/2021			0.0043 (J)			
2/14/2022	0.0014 (J)				<0.005	
2/16/2022		<0.005	<0.005			
2/17/2022				<0.005		<0.005
7/28/2022		<0.005		<0.005		<0.005
7/29/2022			<0.005		<0.005	
8/1/2022	<0.005					
1/27/2023		<0.005				
1/30/2023				<0.005		<0.005
1/31/2023			<0.005			
2/1/2023	<0.005				<0.005	
Mean	0.002443	0.003845	0.003401	0.003863	0.003431	0.00404
Std. Dev.	0.002068	0.001982	0.002096	0.001951	0.00218	0.001905
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00082	0.00064	0.00062	0.00072	0.00057	0.00068

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D
2/27/2020	0.0031 (J)	<0.005				
2/28/2020			0.00043 (J)			
3/24/2020	0.00042 (J)	0.001 (J)				
3/25/2020			0.00058 (J)			
9/2/2020	<0.005			<0.005		
9/3/2020					<0.005	<0.005
9/29/2020		<0.005	0.00082 (J)			
2/22/2021		<0.005	<0.005	<0.005	0.0011 (J)	
3/8/2021						<0.005
3/9/2021	<0.005					
3/29/2021	<0.005					<0.005
3/30/2021			0.00081 (J)			
3/31/2021		<0.005		0.00068 (J)		
4/1/2021					0.00062 (J)	
8/19/2021	<0.005					
8/20/2021					<0.005	
8/23/2021						<0.005
8/24/2021		<0.005	<0.005	<0.005		
2/14/2022	<0.005					
2/15/2022				<0.005		0.0024 (J)
2/16/2022		<0.005	0.0011 (J)			
2/17/2022					<0.005	
7/28/2022			<0.005		<0.005	
7/29/2022				<0.005		
8/1/2022						<0.005
8/2/2022	<0.005	<0.005				
1/30/2023					<0.005	
1/31/2023			0.005 (J)			
2/1/2023				<0.005		
2/2/2023		<0.005				
2/7/2023	<0.005					<0.005
Mean	0.00428	0.004556	0.002638	0.004383	0.003817	0.004629
Std. Dev.	0.001578	0.001333	0.002248	0.001633	0.002025	0.0009827
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00042	0.001	0.00043	0.00068	0.00062	0.0024

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/7/2016						<0.005
6/8/2016					<0.005	
8/10/2016						0.0052 (J)
8/11/2016					<0.005	
10/4/2016						0.0015 (J)
10/6/2016					<0.005	
12/2/2016						0.0013 (J)
12/6/2016					<0.005	
2/14/2017						<0.005
2/15/2017					<0.005	
4/14/2017						0.0011 (J)
4/18/2017					<0.005	
5/26/2017						0.0008 (J)
6/2/2017					<0.005	
7/10/2017						0.0009 (J)
7/14/2017					<0.005	
3/26/2018						<0.005
3/27/2018					<0.005	
2/25/2019						<0.005
2/28/2019					<0.005	
4/1/2019						0.00091 (J)
4/2/2019					<0.005	
9/24/2019					0.00055 (J)	0.063
2/19/2020						0.0011 (J)
2/21/2020					<0.005	
3/18/2020						0.0014 (J)
3/19/2020					0.00061 (J)	
9/3/2020	<0.005					
9/23/2020						0.0013 (J)
9/25/2020					<0.005	
1/28/2021			<0.005	<0.005		
2/16/2021						0.001 (J)
2/18/2021	0.00093 (J)				<0.005	
2/23/2021			0.0006 (J)	<0.005		
3/24/2021						0.0013 (J)
3/30/2021			<0.005	0.00061 (J)	0.00095 (J)	
3/31/2021	0.00094 (J)					
4/19/2021		0.00071 (J)				
8/18/2021	<0.005					0.0012 (J)
8/19/2021					<0.005	
8/23/2021			<0.005	<0.005		
8/24/2021		<0.005				
2/9/2022	<0.005					
2/10/2022						0.0014 (J)
2/11/2022					<0.005	
2/14/2022			<0.005	0.0013 (J)		
2/17/2022		<0.005				
7/26/2022	<0.005					<0.005
7/28/2022				<0.005	<0.005	
8/1/2022		<0.005	<0.005			
1/25/2023	0.0025 (J)					
1/26/2023					<0.005	0.0014 (J)

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
1/31/2023			<0.005	0.0016 (J)		
2/1/2023		<0.005				
Mean	0.003481	0.004142	0.004371	0.003359	0.004386	0.005229
Std. Dev.	0.001965	0.001919	0.001663	0.002068	0.001542	0.01336
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00093	0.00071	0.0006	0.00061	0.00095	0.0011

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.005
8/11/2016	<0.005
10/5/2016	0.002 (J)
12/5/2016	<0.005
2/15/2017	<0.005
4/17/2017	<0.005
5/26/2017	<0.005
7/11/2017	<0.005
3/27/2018	<0.005
4/1/2019	<0.005
9/24/2019	<0.005
2/20/2020	<0.005
3/19/2020	<0.005
9/24/2020	<0.005
2/17/2021	<0.005
3/24/2021	<0.005
8/18/2021	<0.005
2/10/2022	<0.005
7/26/2022	<0.005
1/26/2023	0.0021 (J)
Mean	0.004705
Std. Dev.	0.0009081
Upper Lim.	0.005
Lower Lim.	0.0021

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.005					
6/7/2016		<0.005	<0.005		0.0037	<0.005
8/10/2016	0.0006 (J)					
8/11/2016					0.0039 (J)	<0.005
8/12/2016			<0.005			
8/16/2016		<0.005				
10/4/2016	<0.005					
10/6/2016			<0.005			
10/7/2016		<0.005			0.0043 (J)	<0.005
12/1/2016	<0.005					
12/5/2016			0.0006 (J)			
12/6/2016		<0.005			0.005 (J)	<0.005
2/14/2017	<0.005					
2/15/2017			<0.005			
2/16/2017		<0.005			0.0054 (J)	<0.005
4/13/2017	<0.005					
4/18/2017		<0.005	<0.005		0.0054 (J)	
4/19/2017						<0.005
5/25/2017	<0.005					
5/30/2017					0.0045 (J)	<0.005
6/2/2017		<0.005	<0.005			
7/7/2017	<0.005					
7/12/2017		<0.005				
7/13/2017			0.0003 (J)			
7/14/2017					0.0049 (J)	<0.005
3/27/2018		<0.005			<0.01	<0.005
3/28/2018			<0.005			
6/12/2018					0.0048 (J)	
6/14/2018		<0.005	<0.005			<0.005
10/16/2018	0.00094 (J)					
10/17/2018			<0.005			<0.005
10/18/2018		<0.005			0.0047 (J)	
2/25/2019					0.0071 (J)	
2/27/2019						<0.005
2/28/2019		<0.005	<0.005			
4/1/2019			0.00034 (J)			
4/2/2019	0.00016 (J)	0.00027 (J)			0.0056 (J)	0.00015 (J)
9/23/2019	0.00042 (J)					
9/25/2019		0.00056 (J)	0.0004 (J)			
9/26/2019					0.0093	<0.005
2/18/2020	0.00032 (J)					
2/20/2020		<0.005			0.0092	
2/24/2020			0.00034 (J)			<0.005
3/19/2020	<0.005		0.00035 (J)		0.0089	<0.005
3/23/2020		0.00031 (J)				
5/22/2020				0.00041 (J)		
6/23/2020				<0.005		
7/28/2020				<0.005		
9/2/2020				0.001 (J)		
9/23/2020	<0.005					
9/24/2020		<0.005			0.0095	<0.005
9/25/2020			0.00049 (J)			

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
10/1/2020				0.0018 (J)		
11/10/2020				0.0016 (J)		
12/15/2020				0.0018		
1/20/2021				0.0019 (J)		
2/18/2021	<0.005	<0.005		0.0013 (J)	0.0088	<0.005
2/19/2021			0.00066 (J)			
3/24/2021			0.00048 (J)	<0.005	0.0078	<0.005
3/30/2021		0.00052 (J)				
3/31/2021	0.00094 (J)					
8/16/2021	0.00052 (J)					
8/18/2021		0.00042 (J)	0.00085 (J)	0.0034 (J)	0.0098	
8/19/2021						<0.005
2/9/2022	0.0005 (J)			<0.005		
2/11/2022		0.00047 (J)	0.00057 (J)		0.0097	<0.005
7/26/2022	<0.005			0.003 (J)		
7/27/2022			<0.005		0.012	<0.005
7/28/2022		0.00058 (J)				
1/25/2023	0.00074 (J)					
1/26/2023			0.00045 (J)	0.0033 (J)	0.0098	<0.005
1/27/2023		0.00051 (J)				
Mean	0.003007	0.003419	0.002645	0.002822	0.006917	0.004789
Std. Dev.	0.002267	0.002214	0.002308	0.001651	0.00248	0.001011
Upper Lim.	0.005	0.005	0.005	0.002579	0.008215	0.005
Lower Lim.	0.00052	0.00052	0.00045	0.001178	0.00562	0.00015

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	0.00071 (J)	<0.005	<0.005	0.00041 (J)	0.0079	
6/9/2016						<0.005
8/12/2016	0.0006 (J)	<0.005	<0.005			
8/18/2016				<0.005	0.0109	<0.005
10/7/2016	0.0005 (J)	<0.005				
10/10/2016			<0.005	<0.005	0.011	<0.005
12/6/2016	0.0009 (J)					
12/7/2016		<0.005	0.0008 (J)			0.0015 (J)
12/8/2016				0.0006 (J)	0.013	
2/16/2017	<0.005	<0.005				
2/17/2017			<0.005	<0.005	0.0122	
2/20/2017						<0.005
4/19/2017	<0.005	<0.005	<0.005	<0.005		<0.005
4/20/2017					0.0116	
6/1/2017	<0.005	<0.005	<0.005	<0.005		
6/5/2017					0.0112	<0.005
7/14/2017	<0.005	<0.005				
7/17/2017						<0.005
7/18/2017			<0.005	0.0004 (J)		
7/19/2017					0.0131	
3/27/2018	<0.005	<0.005				
3/28/2018			<0.005	<0.005		
3/29/2018					0.016	<0.005
6/13/2018			<0.005			<0.005
6/14/2018	<0.005			<0.005	0.017	
6/15/2018		<0.005				
10/18/2018	<0.005					
10/19/2018		<0.005		<0.005		
10/22/2018			<0.005		0.021	<0.005
2/27/2019	<0.005		<0.005			
3/1/2019		<0.005			0.017	<0.005
4/2/2019	0.00012 (J)					
4/3/2019		7.2E-05 (J)	0.00024 (J)	0.00064 (J)	0.019	0.00058 (J)
5/2/2019					0.023 (J)	
9/26/2019	<0.005	<0.005	<0.005			
9/27/2019					0.027	0.00034 (J)
9/30/2019				0.0004 (J)		
2/24/2020	<0.005	<0.005	<0.005			
2/25/2020					0.017	0.00046 (J)
2/26/2020				0.00037 (J)		
3/20/2020	<0.005	<0.005		<0.005	0.02	
3/23/2020			0.00036 (J)			0.0004 (J)
9/24/2020	<0.005			0.00098 (J)	0.041	<0.005
9/28/2020		<0.005	<0.005			
2/18/2021	<0.005	<0.005	<0.005			
2/19/2021				0.0013 (J)	0.032	0.00044 (J)
3/24/2021	<0.005					
3/26/2021		<0.005				<0.005
3/29/2021			<0.005	0.00069 (J)	0.029 (J)	
7/19/2021					0.039	<0.005
8/19/2021	<0.005					
8/20/2021		<0.005	<0.005	0.00058 (J)		

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/23/2021					0.029	0.00047 (J)
11/1/2021					0.04	<0.005
2/14/2022						<0.005
2/15/2022					0.03	
2/16/2022	<0.005	<0.005	<0.005	0.0021 (J)		
7/27/2022	<0.005	<0.005	<0.005			
7/28/2022				0.0027 (J)		
8/1/2022						<0.005
8/2/2022					0.034	
1/26/2023	<0.005					
1/27/2023		<0.005		0.0021 (J)		
1/30/2023			<0.005			
2/2/2023						<0.005
2/7/2023					0.017	
Mean	0.004036	0.004786	0.004409	0.002649	0.0215	0.003768
Std. Dev.	0.001874	0.001028	0.001564	0.002089	0.009947	0.002027
Upper Lim.	0.005	0.005	0.005	0.005	0.02634	0.005
Lower Lim.	0.0009	7.2E-05	0.0008	0.0006	0.01665	0.0015

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016		<0.005				
6/9/2016	0.0026					
8/15/2016		<0.005				
8/18/2016	0.0021 (J)					
10/10/2016	0.0018 (J)	<0.005				
12/7/2016	0.0018 (J)					
12/8/2016		0.0006 (J)				
1/23/2017			0.0012 (J)			
2/7/2017			0.0008 (J)			
2/20/2017	0.0027 (J)	<0.005				
3/27/2017			0.001 (J)			
4/17/2017			0.0009 (J)			
4/19/2017	0.0032 (J)					
4/20/2017		<0.005				
5/22/2017			0.0008 (J)			
6/1/2017		<0.005				
6/5/2017	0.0034 (J)		0.0008 (J)			
7/11/2017			0.0008 (J)			
7/17/2017	0.0033 (J)	<0.005				
8/23/2017			0.0006 (J)			
3/26/2018			<0.005			
3/28/2018		<0.005				
3/29/2018	<0.005					
6/13/2018	0.0039 (J)					
6/14/2018		<0.005				
6/15/2018			<0.005			
10/18/2018				0.00079 (J)		
10/19/2018						0.0012 (J)
10/22/2018	0.0043 (J)	<0.005	<0.005		0.0037 (J)	
3/1/2019	0.0055 (J)	<0.005	<0.005			
4/2/2019			0.00022 (J)			
4/3/2019	0.0048 (J)					
4/4/2019		0.00022 (J)		0.00051 (J)		0.00042 (J)
4/5/2019					0.011	
5/3/2019					0.0078 (J)	
9/24/2019				0.00041 (J)		<0.005
9/26/2019					0.01	
9/27/2019			<0.005			
9/30/2019	0.0048 (J)	<0.005				
11/15/2019					0.0077	
2/26/2020	0.0045 (J)	<0.005	<0.005	0.00031 (J)		
2/27/2020					0.00095 (J)	<0.005
3/23/2020			<0.005	0.00036 (J)		
3/24/2020		<0.005			0.0037 (J)	0.00039 (J)
3/25/2020	0.0037 (J)					
9/25/2020	0.0038 (J)		<0.005		0.0081	
9/28/2020		<0.005		0.00046 (J)		0.00048 (J)
2/19/2021	0.0042 (J)					0.00057 (J)
2/22/2021				<0.005		
2/23/2021		<0.005			0.0062	
3/8/2021			<0.005			
3/25/2021			<0.005			

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
3/26/2021	<0.005	<0.005				
3/29/2021				<0.005		
3/30/2021					0.0014 (J)	0.00065 (J)
7/19/2021	0.0034 (J)					
7/20/2021			<0.005			
8/19/2021		<0.005	0.002 (J)			
8/20/2021				<0.005		
8/23/2021	0.0062					
8/24/2021						0.00085 (J)
8/25/2021					0.0018 (J)	
11/1/2021	0.0038 (J)		<0.005			
2/14/2022			<0.005			
2/15/2022	0.0037 (J)					
2/16/2022		<0.005		<0.005	<0.005	0.001 (J)
7/27/2022		<0.005				
7/28/2022				<0.005		0.0012 (J)
7/29/2022					0.0022 (J)	
8/1/2022			<0.005			
8/2/2022	<0.005					
10/21/2022	0.0026 (J)					
1/27/2023		<0.005		<0.005		
1/30/2023						0.0014 (J)
1/31/2023					0.0029 (J)	
2/1/2023	0.0024 (J)		<0.005			
Mean	0.003462	0.004601	0.003365	0.002737	0.004996	0.001513
Std. Dev.	0.001123	0.001324	0.002063	0.002367	0.003382	0.001662
Upper Lim.	0.004009	0.005	0.005	0.005	0.007392	0.0009685
Lower Lim.	0.002914	0.0006	0.0009	0.00036	0.002601	0.0004919

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018		0.00057 (J)				
10/22/2018	<0.01					
4/2/2019		0.0011 (J)				
4/4/2019	0.0011 (J)					
9/26/2019	0.0019 (J)					
9/27/2019		0.0009 (J)				
12/13/2019					0.0033 (J)	
2/25/2020	0.0011 (J)		0.0015 (J)			
2/26/2020		0.00058 (J)				
2/27/2020				0.014	0.00047 (J)	
2/28/2020						0.00049 (J)
3/23/2020		0.00049 (J)				
3/24/2020			0.0019 (J)	0.0065	<0.005	
3/25/2020	0.00046 (J)					0.00056 (J)
9/2/2020				0.0043 (J)		
9/25/2020	0.00082 (J)		0.0011 (J)			
9/28/2020		0.00038 (J)				
9/29/2020					0.00061 (J)	0.00044 (J)
2/22/2021	0.0011 (J)		0.0007 (J)		<0.005	0.0006 (J)
3/8/2021		<0.005				
3/9/2021				0.0014 (J)		
3/25/2021		<0.005				
3/26/2021	0.0015 (J)		0.0011 (J)			
3/29/2021				0.0015 (J)		
3/30/2021						0.00052 (J)
3/31/2021					<0.005	
8/19/2021				0.004 (J)		
8/20/2021	0.0018 (J)		0.00088 (J)			
8/23/2021		<0.005				
8/24/2021					<0.005	0.00061 (J)
11/1/2021				0.0033 (J)		
2/14/2022		<0.005		0.0019 (J)		
2/16/2022					<0.005	0.00052 (J)
2/17/2022	0.0024 (J)		0.00056 (J)			
7/28/2022	0.0038 (J)		<0.005			0.00042 (J)
7/29/2022		<0.005				
8/2/2022				0.0019 (J)	<0.005	
1/30/2023	0.0029 (J)		<0.005			
1/31/2023						0.00046 (J)
2/1/2023		<0.005				
2/2/2023					<0.005	
2/7/2023				0.0014 (J)		
Mean	0.00199	0.002835	0.001971	0.00402	0.003938	0.0005133
Std. Dev.	0.001338	0.002269	0.001764	0.003879	0.001868	6.764E-05
Upper Lim.	0.00304	0.005	0.001437	0.006358	0.005	0.0005786
Lower Lim.	0.0009399	0.00049	0.000643	0.001386	0.00061	0.000448

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-52	BGWC-7
6/8/2016						0.00081 (J)
8/11/2016						0.0007 (J)
10/6/2016						<0.01
12/6/2016						0.0009 (J)
2/15/2017						<0.01
4/18/2017						0.0005 (J)
6/2/2017						0.0006 (J)
7/14/2017						0.0006 (J)
3/27/2018						<0.01
6/13/2018						0.00068 (J)
10/18/2018						<0.01
2/28/2019						0.00067 (J)
4/2/2019						0.00094 (J)
9/24/2019						0.00078 (J)
2/21/2020						0.00081 (J)
3/19/2020						0.00091 (J)
9/2/2020	0.00075 (J)					
9/3/2020		0.002 (J)				
9/25/2020						0.00077 (J)
1/28/2021					0.0048 (J)	
2/18/2021						0.00074 (J)
2/22/2021	0.00053 (J)					
2/23/2021					0.0033 (J)	
3/8/2021		0.0043 (J)				
3/29/2021		0.0057				
3/30/2021					0.0031 (J)	0.00085 (J)
3/31/2021	<0.005					
4/19/2021			0.00079 (J)	0.0013 (J)		
7/20/2021		0.0057				
8/18/2021				0.0016 (J)		
8/19/2021						0.0008 (J)
8/23/2021		0.0051			0.0036 (J)	
8/24/2021	0.00044 (J)		0.001 (J)			
2/9/2022				0.00079 (J)		
2/11/2022						0.00068 (J)
2/14/2022					0.00044 (J)	
2/15/2022	<0.005	0.0038 (J)				
2/17/2022			0.00088 (J)			
7/26/2022				0.00072 (J)		
7/28/2022					0.00082 (J)	0.00074 (J)
7/29/2022	0.0004 (J)					
8/1/2022		0.0024 (J)	0.00065 (J)			
1/25/2023				0.00066 (J)		
1/26/2023						0.00068 (J)
1/31/2023					0.0045 (J)	
2/1/2023	0.00067 (J)		0.00089 (J)			
2/7/2023		0.0016 (J)				
Mean	0.001827	0.003825	0.000842	0.001014	0.002937	0.002355
Std. Dev.	0.002171	0.001656	0.0001307	0.0004145	0.001695	0.003588
Upper Lim.	0.005	0.00558	0.001061	0.001709	0.00495	0.00091
Lower Lim.	0.0004	0.00207	0.0006231	0.0003195	0.0009244	0.00068

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-8	BGWC-9
6/6/2016		<0.005
6/7/2016	0.00013 (J)	
8/10/2016	0.0003 (J)	
8/11/2016		0.0003 (J)
10/4/2016	<0.005	
10/5/2016		<0.005
12/2/2016	<0.005	
12/5/2016		0.0006 (J)
2/14/2017	<0.005	
2/15/2017		<0.005
4/14/2017	<0.005	
4/17/2017		<0.005
5/26/2017	<0.005	<0.005
7/10/2017	<0.005	
7/11/2017		<0.005
3/26/2018	<0.005	
3/27/2018		<0.005
6/12/2018	<0.005	<0.005
10/16/2018	<0.005	
10/17/2018		<0.005
2/25/2019	<0.005	
4/1/2019	5.6E-05 (J)	0.00024 (J)
9/24/2019	0.0012 (J)	<0.005
2/19/2020	<0.005	
2/20/2020		<0.005
3/18/2020	<0.005	
3/19/2020		<0.005
9/23/2020	<0.005	
9/24/2020		<0.005
2/16/2021	<0.005	
2/17/2021		<0.005
3/24/2021	<0.005	<0.005
8/18/2021	<0.005	<0.005
2/10/2022	<0.005	<0.005
7/26/2022	<0.005	<0.005
1/26/2023	<0.005	<0.005
Mean	0.004204	0.00437
Std. Dev.	0.001785	0.001624
Upper Lim.	0.005	0.005
Lower Lim.	0.0012	0.0006

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	0.239 (U)					
6/7/2016		0.616	0.024 (U)		0.284 (U)	0.135 (U)
8/10/2016	1.19					
8/11/2016					1.71	0.808
8/12/2016			0.849			
8/16/2016		1.08				
10/4/2016	0.231 (U)					
10/6/2016			1.57			
10/7/2016		2.82			0.485 (U)	0.874 (U)
12/1/2016	0.428 (U)					
12/5/2016			0.956			
12/6/2016		0.719 (U)			1.22	0.131 (U)
2/14/2017	0.36 (U)					
2/15/2017			0.229 (U)			
2/16/2017		0.966 (U)			0.19 (U)	0.471 (U)
4/13/2017	0.387 (U)					
4/18/2017		1.01 (U)	0.0114 (U)		0.52 (U)	
4/19/2017						0.65 (U)
5/25/2017	0.123 (U)					
5/30/2017					1.21 (U)	0.65 (U)
6/2/2017		1.13 (U)	0.375 (U)			
7/7/2017	0.876 (U)					
7/12/2017		1.29				
7/13/2017			0.636 (U)			
7/14/2017					0.526 (U)	0.592 (U)
3/27/2018		0.779 (U)			1.34	0.551 (U)
3/28/2018			0.36 (U)			
6/12/2018					0.732 (U)	
6/14/2018		1.22 (U)	0.316 (U)			0.638 (U)
10/16/2018	0.881 (U)					
10/17/2018			0.326 (U)			0.555 (U)
10/18/2018		0.841 (U)			0.522 (U)	
2/25/2019					1.08	
2/27/2019						1.57
2/28/2019		1.88	1.04			
4/1/2019			0.328 (U)			
4/2/2019	0.64 (U)	1.21 (U)			1.73	0.71 (U)
9/23/2019	1.13					
9/25/2019		0.816 (U)	0.649 (U)			
9/26/2019					1.45	1.17 (U)
2/18/2020	0.373 (U)					
2/20/2020		1.47 (U)			1.22 (U)	
2/24/2020			0.455 (U)			1.17
3/19/2020	0.431 (U)		0.838 (U)		1.63	0.626 (U)
3/23/2020		1.69				
5/22/2020				1.82		
6/23/2020				1.05 (U)		
7/28/2020				1.71		
9/2/2020				0.0158 (U)		
9/23/2020	0.293 (U)					
9/24/2020		1.19 (U)			0.469 (U)	0.594 (U)
9/25/2020			0.818 (U)			

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
10/1/2020				1.19 (U)		
11/10/2020				0.675 (U)		
12/15/2020				1.26		
1/20/2021				0.701 (U)		
2/18/2021	0.232 (U)	1.52		1	0.721 (U)	0.723 (U)
2/19/2021			0.608 (U)			
3/24/2021			0.369 (U)	1.1 (U)	0.92 (U)	0.391 (U)
3/30/2021		1.51 (U)				
3/31/2021	0.301 (U)					
8/16/2021	0.813 (U)					
8/18/2021		1.26	0.19 (U)	0.721 (U)	1.05	
8/19/2021						0.742 (U)
2/9/2022	0.296 (U)			0.355 (U)		
2/11/2022		1.01 (U)	0.288 (U)		1.03	0.208 (U)
7/26/2022	1.15 (U)			0.659 (U)		
7/27/2022			0.705 (U)		0.917 (U)	0.138 (U)
7/28/2022		1.18 (U)				
1/25/2023	0.723					
1/26/2023			0.664 (U)	1.31	1.21 (U)	1.02 (U)
1/27/2023		1.82				
Mean	0.5549	1.262	0.548	0.9691	0.9637	0.6573
Std. Dev.	0.3423	0.4805	0.3617	0.4922	0.4512	0.3524
Upper Lim.	0.7492	1.513	0.7372	1.318	1.2	0.8416
Lower Lim.	0.3605	1.011	0.3589	0.6204	0.7277	0.4729

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	0.406	0.264 (U)	0.863 (U)	0.573	1.53	
6/9/2016						0.704
8/12/2016	1.39	1.18	1.74			
8/18/2016				0.44 (U)	2.47	1.88
10/7/2016	0.451 (U)	1.97				
10/10/2016			0.944 (U)	0.933 (U)	2.11	1.48
12/6/2016	0.516 (U)					
12/7/2016		1.31 (U)	2.29			2.61
12/8/2016				1.02 (U)	2.64	
2/16/2017	0.172 (U)	0.35 (U)				
2/17/2017			1.35 (U)	0.193 (U)	1.34	
2/20/2017						0.884 (U)
4/19/2017	0.704 (U)	0.974 (U)	1.48	0.488 (U)		0.948 (U)
4/20/2017					2.35	
6/1/2017	0.493 (U)	0.332 (U)	1.61	0.837 (U)		
6/5/2017					1.6	1.33
7/14/2017	0.547 (U)	1.27				
7/17/2017						1.04
7/18/2017				0.498 (U)		
7/19/2017			1.626		1.76	
3/27/2018	0.569 (U)	0.169 (U)				
3/28/2018			0.97 (U)	0.864 (U)		
3/29/2018					2.43	1.65
6/13/2018			0.686 (U)			0.983 (U)
6/14/2018	0.989 (U)			0.583 (U)	2.14	
6/15/2018		0.625 (U)				
10/18/2018	0.875 (U)					
10/19/2018		0.784 (U)		0.982 (U)		
10/22/2018			0.559 (U)		1.43	1.21
2/27/2019	1.12		1.24			
3/1/2019		0.989 (U)			3.32	2.24
4/2/2019	0.814 (U)					
4/3/2019		0.98 (U)	0.567 (U)	0.532 (U)	2.48	2.86
9/26/2019	0.973 (U)	1.16	0.662 (U)			
9/27/2019					2.83	2.28
9/30/2019				1.16 (U)		
2/24/2020	1.07	1.19	1.38			
2/25/2020					1.7	2.49
2/26/2020				1.08 (U)		
3/20/2020	2.59	0.89 (U)		1.08 (U)	3.6	
3/23/2020			1.27 (U)			1.68
9/24/2020	0.789 (U)			0.157 (U)	4.18	0.56 (U)
9/28/2020		1.11 (U)	1.07 (U)			
2/18/2021	0.62 (U)	1.05 (U)	0.87 (U)			
2/19/2021				1 (U)	2.63	1.17 (U)
3/24/2021	1.21 (U)					
3/26/2021		0.848 (U)				1.04 (U)
3/29/2021			1.49	0.471 (U)	4.1	
8/19/2021	0.858 (U)					
8/20/2021		0.731 (U)	1.42	0.277 (U)		
8/23/2021					3.25	1.2 (U)
2/14/2022						0.563 (U)

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/15/2022					1.94	
2/16/2022	0.708 (U)	0.349 (U)	0.322 (U)	0.49 (U)		
7/27/2022	0.737 (U)	0.964 (U)	1.53			
7/28/2022				0.424 (U)		
8/1/2022						2.28
8/2/2022					2.32	
1/26/2023	1.46					
1/27/2023		1.16		0.28 (U)		
1/30/2023			0.563 (U)			
2/2/2023						0.783 (U)
2/7/2023					1.45	
Mean	0.8722	0.8978	1.152	0.6528	2.417	1.472
Std. Dev.	0.491	0.417	0.4795	0.3173	0.8258	0.6943
Upper Lim.	1.06	1.116	1.403	0.8231	2.849	1.836
Lower Lim.	0.6051	0.6797	0.9015	0.4825	1.985	1.109

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016		0.314 (U)				
6/9/2016	2.13					
8/15/2016		1.2				
8/18/2016	2.67					
10/10/2016	3.46	1.03 (U)				
12/7/2016	1.65					
12/8/2016		1.47 (U)				
1/23/2017			2.17			
2/7/2017			3			
2/20/2017	2.68	0.547 (U)				
4/17/2017			2.73			
4/19/2017	3.81					
4/20/2017		0.0595 (U)				
5/22/2017			3.15			
6/1/2017		0.67 (U)				
6/5/2017	2.86		0.86 (U)			
7/11/2017			1.87			
7/17/2017	2.87	1.25 (U)				
8/23/2017			3.39			
3/26/2018			1.61			
3/28/2018		0.507 (U)				
3/29/2018	2.79					
6/13/2018	2.19					
6/14/2018		0.721 (U)				
6/15/2018			0.815 (U)			
10/18/2018				0.96		
10/19/2018						2.28
10/22/2018	2.18	0.741 (U)	1.02 (U)		1.22 (U)	
3/1/2019	3.37	0.634 (U)	2.47			
4/2/2019			2.29			
4/3/2019	3.6					
4/4/2019		0.346 (U)		1.49		1.89
4/5/2019					2.2	
9/24/2019				1.68		3.98
9/26/2019					2.36	
9/27/2019			1.23 (U)			
9/30/2019	2.73	0.953 (U)				
2/26/2020	2.4	1.16	1.09 (U)	1.31		
2/27/2020					1.44	1.31
3/23/2020			1.42	2.39		
3/24/2020		0.899 (U)			1.25 (U)	2.56
3/25/2020	4.72					
9/25/2020	1.49		0.783 (U)		2.62	
9/28/2020		0.744 (U)		1.48		2.12
2/19/2021	1.07 (U)					2.23
2/22/2021				1.07 (U)		
2/23/2021		0.456 (U)			1.55	
3/8/2021			0.429 (U)			
3/25/2021			1.48			
3/26/2021	2.91	0.134 (U)				
3/29/2021				1.63		
3/30/2021					2.04	1.35 (U)

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
8/19/2021		0.908 (U)	1.63			
8/20/2021				1.82		
8/23/2021	1.77 (U)					
8/24/2021						2.39
8/25/2021					0.784 (U)	
2/14/2022			0.744 (U)			
2/15/2022	14.2 (U)					
2/16/2022		0.189 (U)		1.02	1.16 (U)	2.24
7/27/2022		1.09 (U)				
7/28/2022				0.684 (U)		2.74
7/29/2022					1.82	
8/1/2022			1.01 (U)			
8/2/2022	0.84 (U)					
1/27/2023		0.768 (U)		1.46		
1/30/2023						2.58
1/31/2023					1.49	
2/1/2023	1.3		0.936			
Mean	3.03	0.73	1.642	1.416	1.661	2.306
Std. Dev.	2.606	0.3781	0.8713	0.4543	0.5512	0.6916
Upper Lim.	3.385	0.9278	2.11	1.773	2.094	2.849
Lower Lim.	1.878	0.5323	1.174	1.06	1.229	1.763

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018		1.24				
10/22/2018	1.54					
4/2/2019		2.81				
4/4/2019	2.37					
9/26/2019	3.09					
9/27/2019		1.66				
2/25/2020	4.16		2.87			
2/26/2020		1.76				
2/27/2020				5.89	1.03 (U)	
2/28/2020						0.649 (U)
3/23/2020		2.75				
3/24/2020			2.8	5.9	1.35	
3/25/2020	2.81					0.848 (U)
9/2/2020				5.91		
9/25/2020	2.15		3.29			
9/28/2020		1.59				
9/29/2020					1.71	0.441 (U)
2/22/2021	2.03		1.73		1.65	1.31 (U)
3/8/2021		2.09				
3/9/2021				3.34		
3/25/2021		2.43				
3/26/2021	2.4		3.15			
3/29/2021				3.54		
3/30/2021						0.826 (U)
3/31/2021					0.251 (U)	
8/19/2021				4.63		
8/20/2021	2.53		3.01			
8/23/2021		0.857 (U)				
8/24/2021					0.432 (U)	0.21 (U)
2/14/2022		1.43		4.6		
2/16/2022					0.799	0.473 (U)
2/17/2022	1.88		2.41			
7/28/2022	2.71		2.92			0.656 (U)
7/29/2022		1.47 (U)				
8/2/2022				3.64	0.93 (U)	
1/30/2023	2.3		2.14			
1/31/2023						0.498 (U)
2/1/2023		1.17				
2/2/2023					0.942 (U)	
2/7/2023				2.93		
Mean	2.498	1.771	2.702	4.487	1.01	0.6568
Std. Dev.	0.6716	0.6256	0.509	1.193	0.4977	0.3157
Upper Lim.	3.024	2.262	3.194	5.638	1.491	0.9615
Lower Lim.	1.971	1.281	2.211	3.335	0.53	0.352

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D
9/2/2020	1.31 (U)					
9/3/2020		1.05 (U)	1.9	0.982 (U)		
2/18/2021				1.34		
2/22/2021	1.91	0.578 (U)				
3/8/2021			1.34			
3/29/2021			1.62 (U)			
3/31/2021	1			0.517 (U)		
4/1/2021		0.461 (U)				
4/19/2021					2.45	1.01 (U)
8/18/2021				0.886 (U)		0.99 (U)
8/20/2021		1.38				
8/23/2021			1.93			
8/24/2021	0.918 (U)				3.66	
2/9/2022				1.52		1.4
2/15/2022	0.765 (U)		0.96 (U)			
2/17/2022		0.51 (U)			2.41	
7/26/2022				0.818 (U)		1 (U)
7/28/2022		0.503 (U)				
7/29/2022	1.6					
8/1/2022			1.38		2.36	
1/25/2023				0.617 (U)		0.588 (U)
1/30/2023		0.71 (U)				
2/1/2023	1.59				1.57	
Mean	1.299	0.7417	1.522	0.9543	2.49	0.9976
Std. Dev.	0.422	0.3463	0.371	0.3646	0.7484	0.2872
Upper Lim.	1.8	1.137	2.031	1.387	3.744	1.479
Lower Lim.	0.7978	0.3852	1.012	0.5212	1.236	0.5164

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016					0.488
6/7/2016				0.0507 (U)	
6/8/2016			0.854		
8/10/2016				0.862 (U)	
8/11/2016			1.24		0.639 (U)
10/4/2016				0.48 (U)	
10/5/2016					0.945 (U)
10/6/2016			2.43		
12/2/2016				0.219 (U)	
12/5/2016					2.2
12/6/2016			0.958 (U)		
2/14/2017				0.636 (U)	
2/15/2017			1.18		0.74 (U)
4/14/2017				0.13 (U)	
4/17/2017					0.764 (U)
4/18/2017			1.26		
5/26/2017				0.349 (U)	0.245 (U)
6/2/2017			1.24 (U)		
7/10/2017				0.565 (U)	
7/11/2017					0.502 (U)
7/14/2017			1.55		
3/26/2018				0.303 (U)	
3/27/2018			2.15		0.745 (U)
6/12/2018				0.494 (U)	0.319 (U)
6/13/2018			1.95		
10/16/2018				0.633 (U)	
10/17/2018					0.319 (U)
10/18/2018			1.1		
2/25/2019				1.03 (U)	
2/28/2019			1.38		
4/1/2019				0.474 (U)	0.225 (U)
4/2/2019			1.57		
9/24/2019			1.85	1.69	1.65
2/19/2020				1.02 (U)	
2/20/2020					0.921 (U)
2/21/2020			2.02		
3/18/2020				0.987 (U)	
3/19/2020			1.18 (U)		1.94
9/23/2020				0.25 (U)	
9/24/2020					0.9 (U)
9/25/2020			1.64		
1/28/2021	0.444 (U)	1.59			
2/16/2021				0.709 (U)	
2/17/2021					0.692 (U)
2/18/2021			1.09		
2/23/2021	0.589 (U)	0.567 (U)			
3/24/2021				0.808 (U)	0.554 (U)
3/30/2021	0.852 (U)	1.66 (U)	1.41 (U)		
8/18/2021				0.192 (U)	0.458 (U)
8/19/2021			0.952 (U)		
8/23/2021	0.558 (U)	0.785 (U)			
2/10/2022				0.813	0.86

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
2/11/2022			1.26		
2/14/2022	0.487 (U)	0.224 (U)			
7/26/2022				0.523 (U)	0.866 (U)
7/28/2022		1.02 (U)	1.22 (U)		
8/1/2022	0.642 (U)				
1/26/2023			1.73	0.629 (U)	0.248 (U)
1/31/2023	0.707 (U)	0.58 (U)			
Mean	0.6113	0.918	1.444	0.602	0.7827
Std. Dev.	0.1383	0.54	0.4149	0.371	0.5275
Upper Lim.	0.7756	1.559	1.661	0.7961	0.9806
Lower Lim.	0.447	0.2766	1.227	0.408	0.4849

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.1					
6/7/2016		0.09 (J)	<0.1		<0.1	0.15 (J)
8/10/2016	0.04 (J)					
8/11/2016					0.12 (J)	0.3 (J)
8/12/2016			0.08 (J)			
8/16/2016		0.09 (J)				
10/4/2016	0.06 (J)					
10/6/2016			0.06 (J)			
10/7/2016		0.17 (J)			0.08 (J)	0.14 (J)
12/1/2016	0.09 (J)					
12/5/2016			0.12 (J)			
12/6/2016		0.16 (J)			0.24 (J)	0.19 (J)
2/14/2017	<0.1					
2/15/2017			0.33			
2/16/2017		0.38			0.31	0.51
4/13/2017	0.04 (J)					
4/18/2017		0.12 (J)	0.006 (J)		0.02 (J)	
4/19/2017						0.18 (J)
5/25/2017	0.02 (J)					
5/30/2017					0.51	0.15 (J)
6/2/2017		0.03 (J)	0.04 (J)			
7/7/2017	0.12 (J)					
7/12/2017		0.15 (J)				
7/13/2017			0.17 (J)			
7/14/2017					0.14 (J)	0.16 (J)
10/9/2017	<0.1					
10/10/2017			0.08 (J)			
10/11/2017		0.07 (J)			0.29 (J)	0.64
3/27/2018		<0.1			<0.1	0.33
3/28/2018			<0.1			
6/12/2018					0.061 (J)	
6/14/2018		0.046 (J)	<0.1			0.11 (J)
10/16/2018	<0.1					
10/17/2018			<0.1			<0.3
10/18/2018		<0.1			<0.1	
2/25/2019					0.13 (J)	
2/27/2019						0.26 (J)
2/28/2019		0.14 (J)	0.18 (J)			
4/1/2019			0.065 (J)			
4/2/2019	<0.1	0.044 (J)			0.23 (J)	0.14 (J)
9/23/2019	<0.1					
9/25/2019		0.075 (J)	0.13 (J)			
9/26/2019					<0.1	0.071 (J)
2/18/2020	<0.1					
2/20/2020		<0.1			<0.1	
2/24/2020			0.051 (J)			0.11 (J)
3/19/2020	<0.1		<0.1		0.052 (J)	0.12 (J)
3/23/2020		<0.1				
5/22/2020				0.065 (J)		
6/23/2020				<0.1		
7/28/2020				<0.1		
9/2/2020				0.061 (J)		

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
9/23/2020	<0.1					
9/24/2020		<0.1			0.059 (J)	0.12
9/25/2020			<0.1			
10/1/2020				<0.1		
11/10/2020				<0.1		
12/15/2020				0.052		
1/20/2021				<0.1		
2/18/2021	<0.1	<0.1		0.055 (J)	0.064 (J)	0.1
2/19/2021			<0.1			
3/24/2021			<0.1	<0.1	0.053 (J)	0.11
3/30/2021		<0.1				
3/31/2021	<0.1					
8/16/2021	<0.1					
8/18/2021		<0.1	<0.1	<0.1	<0.1	
8/19/2021						0.097 (J)
2/9/2022	<0.1			<0.1		
2/11/2022		<0.1	<0.1		0.056 (J)	0.1
7/26/2022	0.052 (J)			0.082 (J)		
7/27/2022			0.081 (J)		0.091 (J)	0.13
7/28/2022		0.064 (J)				
1/25/2023	0.066 (J)					
1/26/2023			0.083 (J)	0.084 (J)	0.091 (J)	0.13
1/27/2023		0.058 (J)				
Mean	0.08514	0.1078	0.1032	0.08564	0.1332	0.1874
Std. Dev.	0.02695	0.06778	0.06057	0.01915	0.1102	0.1363
Upper Lim.	0.1	0.108	0.12	0.1	0.1444	0.19
Lower Lim.	0.06	0.05591	0.08	0.061	0.06181	0.11

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	0.1 (J)	<0.1	0.09 (J)	<0.1	0.43	
6/9/2016						0.12 (J)
8/12/2016	0.39	0.2 (J)	0.04 (J)			
8/18/2016				0.09 (J)	0.3 (J)	0.08 (J)
10/7/2016	0.16 (J)	0.07 (J)				
10/10/2016			0.06 (J)	0.04 (J)	0.32	0.09 (J)
12/6/2016	0.32					
12/7/2016		0.09 (J)	0.07 (J)			0.08 (J)
12/8/2016				0.08 (J)	0.26 (J)	
2/16/2017	0.38	0.6				
2/17/2017			0.06 (J)	0.08 (J)	0.39	
2/20/2017						0.09 (J)
4/19/2017	0.08 (J)	0.09 (J)	0.005 (J)	0.04 (J)		0.03 (J)
4/20/2017					0.34	
6/1/2017	0.09 (J)	0.05 (J)	0.65	0.03 (J)		
6/5/2017					0.29 (J)	<0.1
7/14/2017	0.06 (J)	0.08 (J)				
7/17/2017						0.09 (J)
7/18/2017			0.36	0.08 (J)		
7/19/2017					0.33	
10/11/2017	0.14 (J)	0.11 (J)	<0.1			0.09 (J)
10/12/2017				0.12 (J)	0.31	
3/27/2018	<0.1	<0.1				
3/28/2018			<0.1	<0.1		
3/29/2018					0.58	<0.1
6/13/2018			0.038 (J)			0.71
6/14/2018	0.095 (J)			<0.1	0.15 (J)	
6/15/2018		0.07 (J)				
10/18/2018	0.054 (J)					
10/19/2018		0.17 (J)		<0.1		
10/22/2018			<0.1		0.78	0.81
2/27/2019	<0.1		0.13 (J)			
3/1/2019		0.14 (J)			0.34	0.38
4/2/2019	0.044 (J)					
4/3/2019		0.051 (J)	0.072 (J)	0.032 (J)	0.23 (J)	0.1 (J)
5/2/2019					1.4	
9/26/2019	0.052 (J)	<0.1	<0.1			
9/27/2019					1	0.54
9/30/2019				0.066 (J)		
2/24/2020	<0.1	0.05 (J)	<0.1			
2/25/2020					0.24 (J)	0.066 (J)
2/26/2020				<0.1		
3/20/2020	<0.1	<0.1		<0.1	0.23 (J)	
3/23/2020			<0.1			0.056 (J)
9/24/2020	0.058 (J)			<0.1	0.24	0.062 (J)
9/28/2020		<0.1	<0.1			
2/18/2021	<0.1	<0.1	<0.1			
2/19/2021				<0.1	0.2	<0.1
3/24/2021	<0.1					
3/26/2021		0.053 (J)				0.054 (J)
3/29/2021			<0.1	<0.1	0.22	
7/19/2021					0.24	0.065 (J)

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/19/2021	<0.1					
8/20/2021		<0.1	<0.1	<0.1		
8/23/2021					0.23	<0.1
11/1/2021					0.25	0.068 (J)
2/14/2022						<0.1
2/15/2022					0.24	
2/16/2022	<0.1	<0.1	<0.1	<0.1		
7/27/2022	0.081 (J)	0.071 (J)	0.062 (J)			
7/28/2022				<0.1		
8/1/2022						0.07 (J)
8/2/2022					0.19	
1/26/2023	0.056 (J)					
1/27/2023		0.077 (J)		<0.1		
1/30/2023			0.064 (J)			
2/2/2023						0.074 (J)
2/7/2023					0.26	
Mean	0.1233	0.1155	0.1167	0.08513	0.37	0.1625
Std. Dev.	0.09708	0.1092	0.13	0.02567	0.2768	0.2063
Upper Lim.	0.14	0.11	0.1	0.1	0.34	0.1
Lower Lim.	0.06	0.071	0.062	0.066	0.23	0.068

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
6/8/2016		0.14 (J)				
6/9/2016	<0.1					
8/15/2016		0.08 (J)				
8/18/2016	0.24 (J)					
10/10/2016	0.3	0.1 (J)				
12/7/2016	0.05 (J)					
12/8/2016		0.06 (J)				
1/23/2017			0.06 (J)			
2/7/2017			0.09 (J)			
2/20/2017	0.65	0.16 (J)				
3/27/2017			0.09 (J)			
4/17/2017			0.36			
4/19/2017	0.21 (J)					
4/20/2017		0.02 (J)				
5/22/2017			0.05 (J)			
6/1/2017		0.04 (J)				
6/5/2017	0.05 (J)		0.32			
7/11/2017			0.13 (J)			
7/17/2017	2.5	0.07 (J)				
8/23/2017			0.17 (J)			
10/10/2017			0.35			
10/11/2017	1.8	0.11 (J)				
3/26/2018			0.75			
3/28/2018		<0.1				
3/29/2018	2					
6/13/2018	3.1					
6/14/2018		<0.1				
6/15/2018			0.51			
10/19/2018					<0.1	
10/22/2018	3.1	<0.1	0.44	0.65		0.91
3/1/2019	1	0.12 (J)	0.24 (J)			
4/2/2019			0.68			
4/3/2019	3					
4/4/2019		<0.1			0.035 (J)	0.26 (J)
4/5/2019				0.66		
5/3/2019				1.3		
9/24/2019					<0.1	
9/26/2019				0.15 (J)		0.11 (J)
9/27/2019			0.13 (J)			
9/30/2019	1.2	0.065 (J)				
11/15/2019				0.51		
2/25/2020						0.14 (J)
2/26/2020	0.064 (J)	<0.1	0.057 (J)			
2/27/2020				0.13 (J)	<0.1	
3/23/2020			0.054 (J)			
3/24/2020		<0.1		0.13 (J)	<0.1	
3/25/2020	0.056 (J)					0.17 (J)
9/25/2020	0.054 (J)		<0.1	0.097 (J)		0.17
9/28/2020		<0.1			<0.1	
2/19/2021	0.14				<0.1	
2/22/2021						0.21
2/23/2021		<0.1		0.13		

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
3/8/2021			<0.1			
3/25/2021			<0.1			
3/26/2021	0.095 (J)	<0.1				0.13
3/30/2021				0.14	<0.1	
7/19/2021	0.13					
7/20/2021			<0.1			
8/19/2021		<0.1	<0.1			
8/20/2021						0.22
8/23/2021	0.12					
8/24/2021					<0.1	
8/25/2021				0.15		
11/1/2021	0.15		0.055 (J)			
2/14/2022			0.075 (J)			
2/15/2022	<0.1					
2/16/2022		<0.1		0.13	<0.1	
2/17/2022						0.21
7/27/2022		0.051 (J)				
7/28/2022					0.053 (J)	0.23
7/29/2022				0.16		
8/1/2022			0.09 (J)			
8/2/2022	0.097 (J)					
10/21/2022	0.14 (R)					
1/27/2023		0.053 (J)				
1/30/2023					0.06 (J)	0.17
1/31/2023				0.13		
2/1/2023	0.18		0.092 (J)			
Mean	0.7602	0.09038	0.2036	0.3191	0.08733	0.2442
Std. Dev.	1.062	0.03108	0.1979	0.3472	0.02357	0.2143
Upper Lim.	1.2	0.08958	0.32	0.65	0.1	0.26
Lower Lim.	0.064	0.0544	0.09	0.13	0.053	0.13

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D
10/17/2018	<0.3					
4/2/2019	0.44					
9/27/2019	0.26 (J)					
12/13/2019				0.16 (J)		
12/16/2019					0.13 (J)	
2/25/2020		0.57				
2/26/2020	0.13 (J)					
2/27/2020			0.55	0.071 (J)		
2/28/2020					0.062 (J)	
3/23/2020	0.13 (J)					
3/24/2020		0.43	0.61	0.06 (J)		
3/25/2020					<0.1	
5/4/2020						<0.1
9/2/2020			0.47			0.088 (J)
9/25/2020		0.34				
9/28/2020	0.1					
9/29/2020				<0.1	<0.1	
2/22/2021		0.3		0.095 (J)	<0.1	0.099 (J)
3/8/2021	0.14					
3/9/2021			0.67			
3/25/2021	0.12					
3/26/2021		0.27				
3/29/2021			0.73			
3/30/2021					0.06 (J)	
3/31/2021				0.08 (J)		0.077 (J)
8/19/2021			0.4			
8/20/2021		0.18				
8/23/2021	0.11					
8/24/2021				0.18	0.076 (J)	0.11
11/1/2021			0.32			
2/14/2022	0.12		0.34			
2/15/2022						0.07 (J)
2/16/2022				0.11	0.068 (J)	
2/17/2022		0.16				
7/28/2022		0.19			0.092 (J)	
7/29/2022	0.14					0.1
8/2/2022			0.46	0.12		
1/30/2023		0.16				
1/31/2023					0.084 (J)	
2/1/2023	0.13					0.084 (J)
2/2/2023				0.098 (J)		
2/7/2023			0.11			
Mean	0.1642	0.2889	0.466	0.1024	0.0872	0.08475
Std. Dev.	0.09587	0.14	0.1848	0.04192	0.02167	0.01916
Upper Lim.	0.26	0.4241	0.6309	0.1398	0.09728	0.1051
Lower Lim.	0.11	0.1537	0.3011	0.065	0.06132	0.06444

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51
5/4/2020		0.93	<0.1			
5/11/2020	0.34					
5/20/2020	0.4	0.78				
9/3/2020	0.5	0.87	<0.1			
1/28/2021						0.17
2/18/2021			0.16			
2/22/2021	0.69					
2/23/2021						0.087 (J)
3/8/2021		0.9				
3/29/2021		1				
3/30/2021						0.11
3/31/2021			0.088 (J)			
4/1/2021	0.72					
4/19/2021				0.055 (J)	0.078 (J)	
7/20/2021		1.2				
8/18/2021			<0.1		<0.1	
8/20/2021	0.56					
8/23/2021		1.2				0.084 (J)
8/24/2021				<0.1		
2/9/2022			0.11		0.08 (J)	
2/14/2022						0.13
2/15/2022		0.89				
2/17/2022	0.61			<0.1		
7/26/2022			<0.1		0.12	
7/28/2022	0.55					
8/1/2022		0.86		0.087 (J)		0.16
1/25/2023			0.28		0.16	
1/30/2023	0.64					
1/31/2023						0.15
2/1/2023				0.085 (J)		
2/7/2023		0.97				
Mean	0.5567	0.96	0.1298	0.0854	0.1076	0.1273
Std. Dev.	0.127	0.1402	0.06455	0.01839	0.03389	0.03467
Upper Lim.	0.6793	1.085	0.28	0.1002	0.1578	0.1685
Lower Lim.	0.4341	0.8349	0.088	0.05114	0.04901	0.0861

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016				0.12 (J)
6/7/2016			<0.1	
6/8/2016		0.19 (J)		
8/10/2016			0.07 (J)	
8/11/2016		0.15 (J)		0.27 (J)
10/4/2016			0.07 (J)	
10/5/2016				0.12 (J)
10/6/2016		0.17 (J)		
12/2/2016			0.09 (J)	
12/5/2016				0.26 (J)
12/6/2016		0.22 (J)		
2/14/2017			0.02 (J)	
2/15/2017		0.18 (J)		0.46
4/14/2017			0.02 (J)	
4/17/2017				0.14 (J)
4/18/2017		0.11 (J)		
5/26/2017			0.02 (J)	0.13 (J)
6/2/2017		0.07 (J)		
7/10/2017			0.03 (J)	
7/11/2017				0.2 (J)
7/14/2017		0.23 (J)		
10/10/2017			<0.1	0.61
10/11/2017		0.1 (J)		
3/26/2018			<0.1	
3/27/2018		<0.3		0.36
6/12/2018			0.061 (J)	0.13 (J)
6/13/2018		0.25 (J)		
10/16/2018			<0.1	
10/17/2018				0.13 (J)
10/18/2018		0.047 (J)		
2/25/2019			<0.1	
2/28/2019		0.23 (J)		
4/1/2019			<0.1	0.33
4/2/2019		0.22 (J)		
9/24/2019		0.12 (J)	<0.1	0.096 (J)
2/19/2020			<0.1	
2/20/2020				0.063 (J)
2/21/2020		0.12 (J)		
3/18/2020			<0.1	
3/19/2020		0.12 (J)		0.074 (J)
9/23/2020			<0.1	
9/24/2020				0.091 (J)
9/25/2020		0.11		
1/28/2021	0.1			
2/16/2021			<0.1	
2/17/2021				0.086 (J)
2/18/2021		0.13		
2/23/2021	0.073 (J)			
3/24/2021			<0.1	0.075 (J)
3/30/2021	0.12	0.18		
8/18/2021			<0.1	0.073 (J)
8/19/2021		0.12		

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
8/23/2021	0.093 (J)			
2/10/2022			<0.1	0.071 (J)
2/11/2022		0.12		
2/14/2022	0.1			
7/26/2022			0.067 (J)	0.11
7/28/2022	0.14	0.16		
1/26/2023		0.15	0.063 (J)	0.09 (J)
1/31/2023	0.14			
Mean	0.1094	0.152	0.07963	0.1778
Std. Dev.	0.02502	0.05276	0.0295	0.1423
Upper Lim.	0.1391	0.1789	0.1	0.1986
Lower Lim.	0.07971	0.125	0.063	0.1004

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.001					
6/7/2016		<0.001	<0.001		<0.001	<0.001
8/10/2016	<0.001					
8/11/2016					<0.001	<0.001
8/12/2016			0.0001 (J)			
8/16/2016		<0.001				
10/4/2016	<0.001					
10/6/2016			0.0002 (J)			
10/7/2016		<0.001			<0.001	<0.001
12/1/2016	<0.001					
12/5/2016			0.0003 (J)			
12/6/2016		<0.001			<0.001	<0.001
2/14/2017	<0.001					
2/15/2017			<0.001			
2/16/2017		<0.001			<0.001	<0.001
4/13/2017	<0.001					
4/18/2017		<0.001	<0.001		<0.001	
4/19/2017						<0.001
5/25/2017	<0.001					
5/30/2017					0.0001 (J)	<0.001
6/2/2017		<0.001	0.0001 (J)			
7/7/2017	<0.001					
7/12/2017		<0.001				
7/13/2017			0.0001 (J)			
7/14/2017					0.0002 (J)	<0.001
3/27/2018		<0.001			<0.001	<0.001
3/28/2018			<0.001			
2/25/2019					<0.001	
2/27/2019						<0.001
2/28/2019		<0.001	<0.001			
4/1/2019			<0.001			
4/2/2019	7E-05 (J)	<0.001			<0.001	<0.001
9/23/2019	<0.001					
9/25/2019		0.00019 (J)	0.00063 (J)			
9/26/2019					0.00034 (J)	<0.001
2/18/2020	<0.001					
2/20/2020		0.00014 (J)			0.00014 (J)	
2/24/2020			<0.001			7.9E-05 (J)
3/19/2020	<0.001		<0.001		0.00013 (J)	<0.001
3/23/2020		<0.001				
5/22/2020				7.3E-05 (J)		
6/23/2020				<0.001		
7/28/2020				<0.001		
9/2/2020				<0.001		
9/23/2020	6.4E-05 (J)					
9/24/2020		<0.001			0.00021 (J)	<0.001
9/25/2020			<0.001			
10/1/2020				6.2E-05 (J)		
11/10/2020				0.00011 (J)		
12/15/2020				5.6E-05 (J)		
1/20/2021				<0.001		
2/18/2021	5.7E-05 (J)	<0.001		<0.001	0.00013 (J)	<0.001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2021			8.7E-05 (J)			
3/24/2021			0.00013 (J)	<0.001	8E-05 (J)	<0.001
3/30/2021		<0.001				
3/31/2021	0.00016 (J)					
8/16/2021	<0.001					
8/18/2021		<0.001	<0.001	<0.001	<0.001	
8/19/2021						<0.001
2/9/2022	<0.001			<0.001		
2/11/2022		<0.001	<0.001		<0.001	<0.001
7/26/2022	<0.001			<0.001		
7/27/2022			<0.001		<0.001	<0.001
7/28/2022		<0.001				
1/25/2023	<0.001					
1/26/2023			<0.001	<0.001	<0.001	<0.001
1/27/2023		<0.001				
Mean	0.0008079	0.0009205	0.0006975	0.0007358	0.0006824	0.0009561
Std. Dev.	0.0003826	0.0002513	0.0004102	0.0004337	0.0004178	0.000201
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00016	0.00019	0.00013	7.3E-05	0.00014	7.9E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
6/9/2016						<0.001
8/12/2016	0.0001 (J)	<0.001	<0.001			
8/18/2016				<0.001	<0.001	<0.001
10/7/2016	<0.001	<0.001				
10/10/2016			<0.001	<0.001	<0.001	<0.001
12/6/2016	0.0001 (J)					
12/7/2016		<0.001	<0.001			<0.001
12/8/2016				<0.001	<0.001	
2/16/2017	0.0002 (J)	<0.001				
2/17/2017			<0.001	<0.001	<0.001	
2/20/2017						<0.001
4/19/2017	0.0001 (J)	0.0006 (J)	<0.001	<0.001		<0.001
4/20/2017					<0.001	
6/1/2017	9E-05 (J)	<0.001	0.0001 (J)	<0.001		
6/5/2017					<0.001	<0.001
7/14/2017	0.0001 (J)	<0.001				
7/17/2017						<0.001
7/18/2017			<0.001	<0.001		
7/19/2017					<0.001	
3/27/2018	<0.001	<0.001				
3/28/2018			<0.001	<0.001		
3/29/2018					<0.001	<0.001
2/27/2019	<0.001		<0.001			
3/1/2019		<0.001			0.00033 (J)	<0.001
4/2/2019	8.1E-05 (J)					
4/3/2019		<0.001	<0.001	6.8E-05 (J)	<0.001	<0.001
9/26/2019	<0.001	<0.001	<0.001			
9/27/2019					5.4E-05 (J)	<0.001
9/30/2019				7.3E-05 (J)		
2/24/2020	<0.001	<0.001	<0.001			
2/25/2020					<0.001	<0.001
2/26/2020				5.3E-05 (J)		
3/20/2020	<0.001	<0.001		6E-05 (J)	<0.001	
3/23/2020			<0.001			<0.001
9/24/2020	<0.001			5E-05 (J)	0.00014 (J)	0.00014 (J)
9/28/2020		3.8E-05 (J)	8.3E-05 (J)			
2/18/2021	<0.001	<0.001	<0.001			
2/19/2021				8.7E-05 (J)	0.00011 (J)	<0.001
3/24/2021	<0.001					
3/26/2021		<0.001				0.00031 (J)
3/29/2021			<0.001	9.4E-05 (J)	6.1E-05 (J)	
8/19/2021	<0.001					
8/20/2021		<0.001	<0.001	<0.001		
8/23/2021					<0.001	<0.001
2/14/2022						<0.001
2/15/2022					<0.001	
2/16/2022	<0.001	<0.001	<0.001	<0.001		
7/27/2022	<0.001	<0.001	<0.001			
7/28/2022				<0.001		
8/1/2022						<0.001
8/2/2022					<0.001	

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
1/26/2023	<0.001					
1/27/2023		<0.001		<0.001		
1/30/2023			<0.001			
2/2/2023						<0.001
2/7/2023					<0.001	
Mean	0.0007034	0.0009351	0.0009135	0.0006743	0.000795	0.0009262
Std. Dev.	0.0004304	0.0002233	0.0002733	0.0004556	0.0003791	0.0002347
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0001	0.0006	0.0001	7.3E-05	0.00033	0.00031

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016		<0.001				
6/9/2016	0.00059 (J)					
8/15/2016		0.0005 (J)				
8/18/2016	<0.001					
10/10/2016	<0.001	<0.001				
12/7/2016	<0.001					
12/8/2016		0.0006 (J)				
1/23/2017			0.0003 (J)			
2/7/2017			0.0002 (J)			
2/20/2017	<0.001	0.0004 (J)				
3/27/2017			8E-05 (J)			
4/17/2017			<0.001			
4/19/2017	<0.001					
4/20/2017		0.0002 (J)				
5/22/2017			<0.001			
6/1/2017		7E-05 (J)				
6/5/2017	7E-05 (J)		<0.001			
7/11/2017			8E-05 (J)			
7/17/2017	<0.001	<0.001				
8/23/2017			<0.001			
3/26/2018			<0.001			
3/28/2018		<0.001				
3/29/2018	<0.001					
3/1/2019	<0.001	<0.001	<0.001			
4/2/2019			<0.001			
4/3/2019	<0.001					
4/4/2019		<0.001		0.00065 (J)		5.4E-05 (J)
4/5/2019				<0.001		
9/24/2019				0.0004 (J)		<0.001
9/26/2019				<0.001		
9/27/2019			0.00018 (J)			
9/30/2019	<0.001	<0.001				
2/26/2020	<0.001	<0.001	0.00035 (J)	7.6E-05 (J)		
2/27/2020					<0.001	<0.001
3/23/2020			0.00011 (J)	0.00028 (J)		
3/24/2020		<0.001			<0.001	<0.001
3/25/2020	5.4E-05 (J)					
9/25/2020	0.0001 (J)		0.00016 (J)		0.00011 (J)	
9/28/2020		5.1E-05 (J)		0.0013 (J)		<0.001
2/19/2021	4.3E-05 (J)					<0.001
2/22/2021				0.00045 (J)		
2/23/2021		7.4E-05 (J)			7.2E-05 (J)	
3/8/2021			0.00018 (J)			
3/25/2021			0.00015 (J)			
3/26/2021	7.1E-05 (J)	0.00013 (J)				
3/29/2021				0.00061 (J)		
3/30/2021					<0.001	<0.001
8/19/2021		<0.001	<0.001			
8/20/2021				<0.001		
8/23/2021	<0.001					
8/24/2021						<0.001
8/25/2021					<0.001	

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
2/14/2022			<0.001			
2/15/2022	<0.001					
2/16/2022		<0.001		<0.001	<0.001	<0.001
7/27/2022		<0.001				
7/28/2022				<0.001		<0.001
7/29/2022					<0.001	
8/1/2022			<0.001			
8/2/2022	<0.001					
10/21/2022	<0.001 (R)					
1/27/2023		<0.001		<0.001		
1/30/2023						<0.001
1/31/2023					<0.001	
2/1/2023	<0.001		<0.001			
Mean	0.0007695	0.0007155	0.000609	0.000706	0.0008347	0.000914
Std. Dev.	0.0003993	0.0003931	0.0004243	0.0003806	0.0003678	0.0002852
Upper Lim.	0.001	0.001	0.001	0.0007551	0.001	0.001
Lower Lim.	0.00059	0.0002	0.00016	0.0002285	0.00011	0.001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019		0.00067 (J)				
4/4/2019	0.00023 (J)					
9/26/2019	6.9E-05 (J)					
9/27/2019		0.0005 (J)				
2/25/2020	0.00025 (J)		0.00011 (J)			
2/26/2020		0.00033 (J)				
2/27/2020				0.00025 (J)	<0.001	
2/28/2020						0.00014 (J)
3/23/2020		0.00014 (J)				
3/24/2020			7.3E-05 (J)	0.00016 (J)	0.0001 (J)	
3/25/2020	0.00018 (J)					0.00017 (J)
9/2/2020				0.00022 (J)		
9/25/2020	0.00037 (J)		0.00029 (J)			
9/28/2020		0.00017 (J)				
9/29/2020					<0.001	0.00024 (J)
2/22/2021	0.00011 (J)		8.2E-05 (J)		<0.001	0.00014 (J)
3/8/2021		0.00011 (J)				
3/9/2021				<0.001		
3/25/2021		<0.001				
3/26/2021	<0.001		<0.001			
3/29/2021				<0.001		
3/30/2021						0.00018 (J)
3/31/2021					<0.001	
8/19/2021				<0.001		
8/20/2021	<0.001		<0.001			
8/23/2021		<0.001				
8/24/2021					<0.001	<0.001
2/14/2022		<0.001		<0.001		
2/16/2022					<0.001	<0.001
2/17/2022	<0.001		<0.001			
7/28/2022	<0.001		<0.001			<0.001
7/29/2022		<0.001				
8/2/2022				<0.001	<0.001	
1/30/2023	<0.001		<0.001			
1/31/2023						<0.001
2/1/2023		<0.001				
2/2/2023					<0.001	
2/7/2023				<0.001		
Mean	0.0005645	0.0006291	0.0006172	0.0007367	0.0009	0.0005411
Std. Dev.	0.0004239	0.0003892	0.0004582	0.0003957	0.0003	0.0004363
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00011	0.00014	7.3E-05	0.00016	0.0001	0.00014

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D
9/2/2020	<0.001					
9/3/2020		<0.001	0.00012 (J)	<0.001		
2/18/2021				0.00017 (J)		
2/22/2021	<0.001	4.1E-05 (J)				
3/8/2021			<0.001			
3/29/2021			<0.001			
3/31/2021	3.6E-05 (J)			<0.001		
4/1/2021		4.4E-05 (J)				
4/19/2021					4.4E-05 (J)	0.00014 (J)
8/18/2021				<0.001		<0.001
8/20/2021		<0.001				
8/23/2021			<0.001			
8/24/2021	<0.001				<0.001	
2/9/2022				<0.001		<0.001
2/15/2022	<0.001		<0.001			
2/17/2022		<0.001			<0.001	
7/26/2022				<0.001		<0.001
7/28/2022		<0.001				
7/29/2022	<0.001					
8/1/2022			<0.001		<0.001	
1/25/2023				<0.001		<0.001
1/30/2023		<0.001				
2/1/2023	<0.001				<0.001	
2/7/2023			<0.001			
Mean	0.0008623	0.0007264	0.0008743	0.0008814	0.0008088	0.000828
Std. Dev.	0.0003644	0.0004672	0.0003326	0.0003137	0.0004275	0.0003846
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	3.6E-05	4.1E-05	0.00012	0.00017	4.4E-05	0.00014

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	BGWC-8	BGWC-9
6/6/2016				<0.001
6/7/2016			<0.001	
8/10/2016			<0.001	
8/11/2016				<0.001
10/4/2016			<0.001	
10/5/2016				0.0005 (J)
12/2/2016			<0.001	
12/5/2016				0.0002 (J)
2/14/2017			<0.001	
2/15/2017				<0.001
4/14/2017			<0.001	
4/17/2017				0.0001 (J)
5/26/2017			0.0003 (J)	0.0001 (J)
7/10/2017			<0.001	
7/11/2017				<0.001
3/26/2018			<0.001	
3/27/2018				<0.001
2/25/2019			<0.001	
4/1/2019			<0.001	9.2E-05 (J)
9/24/2019			<0.001	5.6E-05 (J)
2/19/2020			0.00014 (J)	
2/20/2020				8.2E-05 (J)
3/18/2020			<0.001	
3/19/2020				6.3E-05 (J)
9/23/2020			<0.001	
9/24/2020				<0.001
1/28/2021	0.00016 (J)	5.4E-05 (J)		
2/16/2021			0.0001 (J)	
2/17/2021				7.5E-05 (J)
2/23/2021	0.00015 (J)	0.0001 (J)		
3/24/2021			0.00015 (J)	<0.001
3/30/2021	0.00022 (J)	0.00011 (J)		
8/18/2021			<0.001	<0.001
8/23/2021	<0.001	<0.001		
2/10/2022			<0.001	<0.001
2/14/2022	<0.001	<0.001		
7/26/2022			<0.001	<0.001
7/28/2022		<0.001		
8/1/2022	<0.001			
1/26/2023			<0.001	<0.001
1/31/2023	<0.001	<0.001		
Mean	0.0006471	0.0006091	0.0008424	0.0006134
Std. Dev.	0.0004406	0.0004878	0.0003347	0.000448
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	0.00015	5.4E-05	0.0003	9.2E-05

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.03					
6/7/2016		0.0065	<0.03		<0.03	<0.03
8/10/2016	<0.03					
8/11/2016					<0.03	<0.03
8/12/2016			<0.03			
8/16/2016		<0.03				
10/4/2016	<0.03					
10/6/2016			<0.03			
10/7/2016		<0.03			<0.03	<0.03
12/1/2016	<0.03					
12/5/2016			<0.03			
12/6/2016		<0.03			<0.03	<0.03
2/14/2017	<0.03					
2/15/2017			<0.03			
2/16/2017		<0.03			<0.03	<0.03
4/13/2017	<0.03					
4/18/2017		0.0011 (J)	<0.03		<0.03	
4/19/2017						<0.03
5/25/2017	<0.03					
5/30/2017					<0.03	<0.03
6/2/2017		0.0011 (J)	<0.03			
7/7/2017	<0.03					
7/12/2017		<0.03				
7/13/2017			<0.03			
7/14/2017					<0.03	<0.03
3/27/2018		0.0025 (J)			<0.03	<0.03
3/28/2018			<0.03			
6/12/2018					<0.03	
6/14/2018		0.0011 (J)	<0.03			<0.03
10/16/2018	<0.03					
10/17/2018			<0.03			<0.03
10/18/2018		0.0016 (J)			<0.03	
2/25/2019					<0.03	
2/27/2019						<0.03
2/28/2019		0.0017 (J)	0.0011 (J)			
4/1/2019			0.00078 (J)			
4/2/2019	<0.03	0.0012 (J)			0.00049 (J)	0.00069 (J)
9/23/2019	<0.03					
9/25/2019		<0.03	0.001 (J)			
9/26/2019					<0.03	<0.03
2/18/2020	<0.03					
2/20/2020		0.00093 (J)			<0.03	
2/24/2020			0.00091 (J)			<0.03
3/19/2020	<0.03		0.00097 (J)		<0.03	<0.03
3/23/2020		0.00084 (J)				
5/22/2020				<0.03		
6/23/2020				<0.03		
7/28/2020				<0.03		
9/2/2020				0.00095 (J)		
9/23/2020	<0.03					
9/24/2020		0.0013 (J)			<0.03	<0.03
9/25/2020			0.001 (J)			

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
10/1/2020				0.00095 (J)		
11/10/2020				<0.03		
12/15/2020				0.00091		
1/20/2021				0.00082 (J)		
2/18/2021	<0.03	0.0011 (J)		<0.03	<0.03	<0.03
2/19/2021			0.0011 (J)			
3/24/2021			0.0012 (J)	<0.03	<0.03	<0.03
3/30/2021		0.00092 (J)				
3/31/2021	0.00082 (J)					
8/16/2021	<0.03					
8/18/2021		<0.03	0.0013 (J)	0.00087 (J)	<0.03	
8/19/2021						<0.03
2/9/2022	<0.03			<0.03		
2/11/2022		0.00079 (J)	0.0011 (J)		<0.03	<0.03
7/26/2022	<0.03			0.0011 (J)		
7/27/2022			0.0014 (J)		<0.03	<0.03
7/28/2022		0.00076 (J)				
1/25/2023	<0.03					
1/26/2023			0.0013 (J)	0.00077 (J)	<0.03	<0.03
1/27/2023		0.00082 (J)				
Mean	0.02854	0.01019	0.01492	0.01545	0.02872	0.02873
Std. Dev.	0.006525	0.01345	0.01476	0.01509	0.006153	0.006112
Upper Lim.	0.03	0.03	0.03	0.03	0.03	0.03
Lower Lim.	0.00082	0.00093	0.0011	0.00087	0.00049	0.00069

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-34D
6/8/2016	0.016	0.012				
6/9/2016			0.0074	0.0057		
8/12/2016	0.0202 (J)					
8/18/2016		0.0118 (J)	0.0078 (J)	0.0061 (J)		
10/10/2016	0.0194 (J)	0.0137 (J)	0.0093 (J)	0.006 (J)		
12/7/2016	0.0265 (J)		0.0117 (J)	0.0066 (J)		
12/8/2016		0.0154 (J)				
1/23/2017					0.0171 (J)	
2/7/2017					0.0196 (J)	
2/17/2017	0.0253 (J)	0.0125 (J)				
2/20/2017			0.011 (J)	0.0053 (J)		
3/27/2017					0.0192 (J)	
4/17/2017					0.0169 (J)	
4/19/2017	0.0233 (J)		0.0105 (J)	0.0055 (J)		
4/20/2017		0.012 (J)				
5/22/2017					0.0167 (J)	
6/1/2017	0.023 (J)					
6/5/2017		0.0114 (J)	0.0108 (J)	0.0068 (J)	0.0177 (J)	
7/11/2017					0.0203 (J)	
7/17/2017			0.0095 (J)	<0.03		
7/18/2017	0.0207 (J)					
7/19/2017		0.0126 (J)				
8/23/2017					0.0182 (J)	
3/26/2018					0.0063 (J)	
3/28/2018	0.013 (J)					
3/29/2018		0.021 (J)	0.014 (J)	0.0053 (J)		
6/13/2018	0.02 (J)		0.014 (J)	0.0067 (J)		
6/14/2018		0.024 (J)				
6/15/2018					0.0049 (J)	
10/19/2018						0.00098 (J)
10/22/2018	0.016 (J)	0.034 (J)	0.016 (J)	0.0075 (J)	0.005 (J)	
2/27/2019	0.015 (J)					
3/1/2019		0.022 (J)	0.017 (J)	0.0068 (J)	0.0044 (J)	
4/2/2019					0.0041 (J)	
4/3/2019	0.012 (J)	0.024 (J)	0.013 (J)	0.0048 (J)		
4/4/2019						0.00068 (J)
9/24/2019						<0.03
9/26/2019	0.018 (J)					
9/27/2019		0.039	0.024 (J)		0.0012 (J)	
9/30/2019				0.0077 (J)		
2/24/2020	0.021 (J)					
2/25/2020		0.026 (J)	0.033			
2/26/2020				0.0082 (J)	0.00096 (J)	
2/27/2020						<0.03
3/20/2020		0.029 (J)				
3/23/2020	0.02 (J)		0.032		0.0014 (J)	
3/24/2020						<0.03
3/25/2020				0.0078 (J)		
9/24/2020		0.043	0.031			
9/25/2020				0.0078 (J)	0.0011 (J)	
9/28/2020	0.027 (J)					<0.03
2/18/2021	0.041					

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-34D
2/19/2021		0.035	0.04	0.0086 (J)		<0.03
3/8/2021					0.0012 (J)	
3/25/2021					<0.03	
3/26/2021			0.039 (J)	<0.03		
3/29/2021	0.036	0.033				
3/30/2021						<0.03
8/19/2021					0.0012 (J)	
8/20/2021	0.025 (J)					
8/23/2021		0.028 (J)	0.029 (J)	0.0076 (J)		
8/24/2021						<0.03
2/14/2022			0.033		0.0015 (J)	
2/15/2022		0.032 (J)		0.0086 (J)		
2/16/2022	0.031					<0.03
7/27/2022	0.037					
7/28/2022						<0.03
8/1/2022			0.029 (J)		0.0012 (J)	
8/2/2022		0.03 (J)		<0.03		
10/21/2022				0.0057 (J)		
1/30/2023	0.059					<0.03
2/1/2023				0.0063 (J)	0.0018 (J)	
2/2/2023			0.025 (J)			
2/7/2023		0.018 (J)				
Mean	0.02458	0.02345	0.0203	0.007767	0.008563	0.02514
Std. Dev.	0.01063	0.0098	0.0108	0.002991	0.007819	0.01135
Upper Lim.	0.02891	0.02858	0.02596	0.0082	0.0171	0.03
Lower Lim.	0.01895	0.01833	0.01465	0.006	0.0014	0.00098

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018		0.0044 (J)				
10/22/2018	0.011 (J)					
4/2/2019		0.0021 (J)				
4/4/2019	0.0096 (J)					
9/26/2019	0.013					
9/27/2019		0.0028 (J)				
2/25/2020	0.011 (J)		0.044			
2/26/2020		0.001 (J)				
2/27/2020				0.02 (J)	0.0036 (J)	
2/28/2020						0.00084 (J)
3/23/2020		<0.03				
3/24/2020			0.025 (J)	0.019 (J)	0.0029 (J)	
3/25/2020	0.0092 (J)					0.00079 (J)
9/2/2020				0.0096 (J)		
9/25/2020	0.0062 (J)		0.014 (J)			
9/28/2020		0.0011 (J)				
9/29/2020					0.0066 (J)	<0.03
2/22/2021	0.014 (J)		0.0092 (J)		0.0038 (J)	<0.03
3/8/2021		0.0017 (J)				
3/9/2021				0.011 (J)		
3/25/2021		0.0022 (J)				
3/26/2021	0.02 (J)		0.0066 (J)			
3/29/2021				0.012 (J)		
3/30/2021						0.00086 (J)
3/31/2021					0.0039 (J)	
8/19/2021				0.0066 (J)		
8/20/2021	0.016 (J)		0.004 (J)			
8/23/2021		0.0022 (J)				
8/24/2021					0.0056 (J)	0.001 (J)
2/14/2022		0.002 (J)		0.0061 (J)		
2/16/2022					0.0042 (J)	<0.15 (o)
2/17/2022	0.018 (J)		<0.15 (o)			
7/28/2022	0.016 (J)		0.0026 (J)			<0.03
7/29/2022		0.0012 (J)				
8/2/2022				0.009 (J)	0.0038 (J)	
1/30/2023	0.021 (J)		0.0025 (J)			
1/31/2023						<0.03
2/1/2023		0.0013 (J)				
2/2/2023					0.0029 (J)	
2/7/2023				0.0011 (J)		
Mean	0.01375	0.003083	0.01349	0.01049	0.004144	0.01544
Std. Dev.	0.004578	0.003866	0.01444	0.006031	0.001217	0.01557
Upper Lim.	0.01734	0.0044	0.02665	0.01631	0.005259	0.03
Lower Lim.	0.01016	0.0011	0.001905	0.004666	0.003037	0.00079

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D
9/2/2020	0.00092 (J)					
9/3/2020		0.0014 (J)	0.023 (J)	0.0016 (J)		
2/18/2021				0.0035 (J)		
2/22/2021	0.0017 (J)	<0.03				
3/8/2021			0.024 (J)			
3/29/2021			0.026 (J)			
3/31/2021	0.0017 (J)			0.0029 (J)		
4/1/2021		0.0022 (J)				
4/19/2021					0.0083 (J)	<0.03
8/18/2021				0.0027 (J)		<0.03
8/20/2021		0.0012 (J)				
8/23/2021			0.031			
8/24/2021	0.0024 (J)				0.01 (J)	
2/9/2022				0.0036 (J)		<0.03
2/15/2022	0.002 (J)		0.027 (J)			
2/17/2022		<0.15 (o)			0.0076 (J)	
7/26/2022				0.0037 (J)		<0.03
7/28/2022		0.0016 (J)				
7/29/2022	0.0018 (J)					
8/1/2022			0.025 (J)		0.0057 (J)	
1/25/2023				0.004 (J)		0.0019 (J)
1/30/2023		<0.03				
2/1/2023	0.0019 (J)				0.0042 (J)	
2/7/2023			0.016 (J)			
Mean	0.001774	0.01107	0.02457	0.003143	0.00716	0.02438
Std. Dev.	0.0004472	0.01467	0.004577	0.0008182	0.002261	0.01257
Upper Lim.	0.002305	0.03	0.03001	0.004115	0.01095	0.03
Lower Lim.	0.001243	0.0012	0.01913	0.002171	0.003371	0.0019

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016					<0.03
6/7/2016				<0.03	
6/8/2016			0.0079		
8/10/2016				<0.03	
8/11/2016			0.0093 (J)		<0.03
10/4/2016				<0.03	
10/5/2016					<0.03
10/6/2016			0.0102 (J)		
12/2/2016				<0.03	
12/5/2016					<0.03
12/6/2016			0.0094 (J)		
2/14/2017				<0.03	
2/15/2017			<0.03		<0.03
4/14/2017				<0.03	
4/17/2017					0.0013 (J)
4/18/2017			0.0086 (J)		
5/26/2017				<0.03	0.0013 (J)
6/2/2017			0.0102 (J)		
7/10/2017				<0.03	
7/11/2017					<0.03
7/14/2017			0.0092 (J)		
3/26/2018				<0.03	
3/27/2018			0.0087 (J)		0.0014 (J)
6/12/2018				<0.03	0.0012 (J)
6/13/2018			0.0084 (J)		
10/16/2018				0.001 (J)	
10/17/2018					<0.03
10/18/2018			0.0083 (J)		
2/25/2019				<0.03	
2/28/2019			0.0086 (J)		
4/1/2019				<0.03	0.0012 (J)
4/2/2019			0.0073 (J)		
9/24/2019			0.0083 (J)	<0.03	0.0011 (J)
2/19/2020				<0.03	
2/20/2020					0.002 (J)
2/21/2020			0.0088 (J)		
3/18/2020				<0.03	
3/19/2020			0.0097 (J)		0.0019 (J)
9/23/2020				<0.03	
9/24/2020					0.0011 (J)
9/25/2020			0.0065 (J)		
1/28/2021	0.0017 (J)	0.0037 (J)			
2/16/2021				<0.03	
2/17/2021					0.0013 (J)
2/18/2021			0.0072 (J)		
2/23/2021	0.0015 (J)	0.0038 (J)			
3/24/2021				<0.03	0.0014 (J)
3/30/2021	0.0035 (J)	0.0038 (J)	0.0084 (J)		
8/18/2021				<0.03	0.0013 (J)
8/19/2021			0.007 (J)		
8/23/2021	0.0011 (J)	0.0033 (J)			
2/10/2022				<0.03	0.0016 (J)

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
2/11/2022			0.0074 (J)		
2/14/2022	<0.03	0.002 (J)			
7/26/2022				<0.03	0.0014 (J)
7/28/2022		0.00088 (J)	0.0061 (J)		
8/1/2022	<0.03				
1/26/2023			0.0065 (J)	<0.03	0.0018 (J)
1/31/2023	<0.03	0.0011 (J)			
Mean	0.01397	0.002654	0.008565	0.02874	0.01051
Std. Dev.	0.01501	0.001299	0.001812	0.006047	0.01363
Upper Lim.	0.03	0.0038	0.009394	0.03	0.03
Lower Lim.	0.0011	0.00088	0.007621	0.001	0.0013

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	8.4E-05 (J)					
6/7/2016		0.0001 (J)	0.0001 (J)		9.8E-05 (J)	0.00017 (J)
8/10/2016	<0.0002					
8/11/2016					<0.0002	0.00019 (J)
8/12/2016			<0.0002			
8/16/2016		<0.0002				
10/4/2016	<0.0002					
10/6/2016			<0.0002			
10/7/2016		<0.0002			<0.0002	0.00014 (J)
12/1/2016	<0.0002					
12/5/2016			<0.0002			
12/6/2016		<0.0002			<0.0002	0.00016 (J)
2/14/2017	<0.0002					
2/15/2017			<0.0002			
2/16/2017		<0.0002			<0.0002	0.00017 (J)
4/13/2017	<0.0002					
4/18/2017		<0.0002	<0.0002		<0.0002	
4/19/2017						0.00014 (J)
5/25/2017	<0.0002					
5/30/2017					<0.0002	0.00023 (J)
6/2/2017		<0.0002	<0.0002			
7/7/2017	<0.0002					
7/12/2017		<0.0002				
7/13/2017			<0.0002			
7/14/2017					<0.0002	0.00016 (J)
3/27/2018		<0.0002			<0.0002	<0.0002
3/28/2018			<0.0002			
2/25/2019					<0.0002	
2/27/2019						0.00029 (J)
2/28/2019		4.8E-05 (J)	5.8E-05 (J)			
4/1/2019			<0.0002			
4/2/2019	<0.0002	<0.0002			<0.0002	0.0004
9/23/2019	<0.0002					
9/25/2019		<0.0002	<0.0002			
9/26/2019					<0.0002	<0.0002
2/18/2020	<0.0002					
2/20/2020		<0.0002			<0.0002	
2/24/2020			<0.0002			0.0003 (J)
3/19/2020	<0.0002		<0.0002		<0.0002	0.00017 (J)
3/23/2020		<0.0002				
5/22/2020				<0.0002		
6/23/2020				<0.0002		
7/28/2020				<0.0002		
9/2/2020				<0.0002		
9/23/2020	<0.0002					
9/24/2020		<0.0002			<0.0002	0.00027 (J)
9/25/2020			<0.0002			
10/1/2020				<0.0002		
11/10/2020				<0.0002		
12/15/2020				<0.0002		
1/20/2021				<0.0002		
2/18/2021	<0.0002	<0.0002		<0.0002	<0.0002	0.00017 (J)

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2021			<0.0002			
3/24/2021			<0.0002	<0.0002	<0.0002	0.00012 (J)
3/30/2021		<0.0002				
3/31/2021	<0.0002					
8/16/2021	<0.0002					
8/18/2021		<0.0002	<0.0002	<0.0002	0.0002 (J)	
8/19/2021						<0.0002
2/9/2022	<0.0002			<0.0002		
2/11/2022		<0.0002	<0.0002		<0.0002	<0.0002
7/26/2022	<0.0002			0.00016 (J)		
7/27/2022			<0.0002		<0.0002	0.00025
7/28/2022		<0.0002				
1/25/2023	<0.0002					
1/26/2023			0.00013 (J)	<0.0002	0.00015 (J)	0.00027
1/27/2023		0.00018 (J)				
Mean	0.0001939	0.000187	0.0001851	0.0001971	0.0001928	0.0002095
Std. Dev.	2.661E-05	3.872E-05	3.901E-05	1.069E-05	2.429E-05	6.704E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002269
Lower Lim.	8.4E-05	0.00018	0.00013	0.00016	0.00015	0.0001437

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	<0.0002	<0.0002	<0.0002	<0.0002	9.2E-05 (J)	
6/9/2016						<0.0002
8/12/2016	<0.0002	<0.0002	<0.0002			
8/18/2016				<0.0002	<0.0002	<0.0002
10/7/2016	<0.0002	<0.0002				
10/10/2016			<0.0002	<0.0002	<0.0002	<0.0002
12/6/2016	<0.0002					
12/7/2016		8E-05 (J)	<0.0002			5E-05 (J)
12/8/2016				<0.0002	<0.0002	
2/16/2017	<0.0002	<0.0002				
2/17/2017			<0.0002	<0.0002	<0.0002	
2/20/2017						<0.0002
4/19/2017	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
4/20/2017					<0.0002	
6/1/2017	<0.0002	<0.0002	<0.0002	<0.0002		
6/5/2017					<0.0002	<0.0002
7/14/2017	<0.0002	<0.0002				
7/17/2017						<0.0002
7/18/2017			<0.0002	<0.0002		
7/19/2017					<0.0002	
3/27/2018	<0.0002	<0.0002				
3/28/2018			<0.0002	<0.0002		
3/29/2018					<0.0002	<0.0002
2/27/2019	7.9E-05 (J)		6.6E-05 (J)			
3/1/2019		5E-05 (J)			4.2E-05 (J)	4.4E-05 (J)
4/2/2019	<0.0002					
4/3/2019		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/26/2019	<0.0002	<0.0002	<0.0002			
9/27/2019					<0.0002	<0.0002
9/30/2019				<0.0002		
2/24/2020	<0.0002	<0.0002	<0.0002			
2/25/2020					<0.0002	<0.0002
2/26/2020				<0.0002		
3/20/2020	<0.0002	<0.0002		<0.0002	<0.0002	
3/23/2020			<0.0002			<0.0002
9/24/2020	<0.0002			<0.0002	<0.0002	<0.0002
9/28/2020		<0.0002	<0.0002			
2/18/2021	<0.0002	<0.0002	<0.0002			
2/19/2021				<0.0002	<0.0002	<0.0002
3/24/2021	<0.0002					
3/26/2021		<0.0002				<0.0002
3/29/2021			<0.0002	<0.0002	<0.0002	
8/19/2021	<0.0002					
8/20/2021		<0.0002	<0.0002	<0.0002		
8/23/2021					<0.0002	<0.0002
2/14/2022						<0.0002
2/15/2022					<0.0002	
2/16/2022	<0.0002	<0.0002	<0.0002	<0.0002		
7/27/2022	<0.0002	<0.0002	<0.0002			
7/28/2022				<0.0002		
8/1/2022						<0.0002
8/2/2022					<0.0002	

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
1/26/2023	<0.0002					
1/27/2023		0.00018 (J)		0.00021		
1/30/2023			<0.0002			
2/2/2023						<0.0002
2/7/2023					<0.0002	
Mean	0.0001942	0.0001862	0.0001936	0.0002005	0.0001873	0.0001854
Std. Dev.	2.64E-05	4.08E-05	2.924E-05	2.236E-06	4.078E-05	4.603E-05
Upper Lim.	0.0002	0.0002	0.0002	0.00021	0.0002	0.0002
Lower Lim.	7.9E-05	0.00018	6.6E-05	0.0002	9.2E-05	5E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-34D	BGWC-35D
6/8/2016		<0.0002				
6/9/2016	<0.0002					
8/15/2016		<0.0002				
8/18/2016	<0.0002					
10/10/2016	4E-05 (J)	<0.0002				
12/7/2016	7E-05 (J)					
12/8/2016		<0.0002				
1/23/2017			8E-05 (J)			
2/7/2017			0.00011 (J)			
2/20/2017	5E-05 (J)	<0.0002				
3/27/2017			8E-05 (J)			
4/17/2017			4E-05 (J)			
4/19/2017	0.00016 (J)					
4/20/2017		<0.0002				
5/22/2017			<0.0002			
6/1/2017		<0.0002				
6/5/2017	0.00013 (J)		6E-05 (J)			
7/11/2017			9.1E-05 (J)			
7/17/2017	0.00013 (J)	<0.0002				
8/23/2017			5E-05 (J)			
3/26/2018			<0.0002			
3/28/2018		<0.0002				
3/29/2018	<0.0002					
3/1/2019	0.00093	4.7E-05 (J)	0.0001 (J)			
4/2/2019			<0.0002			
4/3/2019	0.0013					
4/4/2019		<0.0002		<0.0002	<0.0002	<0.0002
9/24/2019				<0.0002	<0.0002	
9/26/2019						<0.0002
9/27/2019			<0.0002			
9/30/2019	0.0011	<0.0002				
2/25/2020						<0.0002
2/26/2020	0.0011	<0.0002	<0.0002	<0.0002		
2/27/2020					<0.0002	
3/23/2020			<0.0002	<0.0002		
3/24/2020		<0.0002			<0.0002	
3/25/2020	0.0011					<0.0002
9/25/2020	0.0036		<0.0002			<0.0002
9/28/2020		<0.0002		<0.0002	<0.0002	
2/19/2021	0.0033				<0.0002	
2/22/2021				<0.0002		<0.0002
2/23/2021		<0.0002				
3/8/2021			<0.0002			
3/25/2021			<0.0002			
3/26/2021	0.0058	<0.0002				<0.0002
3/29/2021				<0.0002		
3/30/2021					<0.0002	
8/19/2021		<0.0002	<0.0002			
8/20/2021				<0.0002		<0.0002
8/23/2021	0.00026					
8/24/2021					<0.0002	
2/14/2022			<0.0002			

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-34D	BGWC-35D
2/15/2022	0.0014					
2/16/2022		<0.0002		<0.0002	<0.0002	
2/17/2022						<0.0002
7/27/2022		<0.0002				
7/28/2022				0.00015 (J)	0.00014 (J)	0.00016 (J)
8/1/2022			<0.0002			
8/2/2022	<0.0002					
10/21/2022	0.00026					
1/27/2023		0.00015 (J)		0.00014 (J)		
1/30/2023					0.00016 (J)	0.00014 (J)
2/1/2023	0.00059		<0.0002			
Mean	0.001005	0.0001903	0.0001529	0.00019	0.0001909	0.0001909
Std. Dev.	0.001449	3.46E-05	6.321E-05	2.236E-05	2.071E-05	2.071E-05
Upper Lim.	0.0009046	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.0001292	0.00015	8E-05	0.00015	0.00016	0.00016

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-38D	BGWC-44D	BGWC-52	BGWC-7	BGWC-8
6/7/2016						9.7E-05 (J)
6/8/2016					<0.0002	
8/10/2016						<0.0002
8/11/2016					<0.0002	
10/4/2016						<0.0002
10/6/2016					<0.0002	
12/2/2016						<0.0002
12/6/2016					<0.0002	
2/14/2017						<0.0002
2/15/2017					<0.0002	
4/14/2017						<0.0002
4/18/2017					<0.0002	
5/26/2017						<0.0002
6/2/2017					<0.0002	
7/10/2017						<0.0002
7/14/2017					<0.0002	
3/26/2018						<0.0002
3/27/2018					<0.0002	
2/25/2019						<0.0002
2/28/2019					5.3E-05 (J)	
4/1/2019						<0.0002
4/2/2019	<0.0002				<0.0002	
9/24/2019					<0.0002	<0.0002
9/27/2019	<0.0002					
2/19/2020						<0.0002
2/21/2020					<0.0002	
2/26/2020	0.00018 (J)					
2/27/2020		<0.0002				
3/18/2020						<0.0002
3/19/2020					<0.0002	
3/23/2020	<0.0002					
3/24/2020		<0.0002				
9/2/2020		0.0001 (J)				
9/3/2020			<0.0002			
9/23/2020						<0.0002
9/25/2020					<0.0002	
9/28/2020	<0.0002					
1/28/2021				0.00019 (J)		
2/16/2021						<0.0002
2/18/2021			<0.0002		<0.0002	
2/23/2021				<0.0002		
3/8/2021	<0.0002					
3/9/2021		<0.0002				
3/24/2021						<0.0002
3/25/2021	<0.0002					
3/29/2021		<0.0002				
3/30/2021				<0.0002	<0.0002	
3/31/2021			<0.0002			
8/18/2021			<0.0002			<0.0002
8/19/2021		0.00012 (J)			<0.0002	
8/23/2021	<0.0002			<0.0002		
2/9/2022			<0.0002			

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-38D	BGWC-44D	BGWC-52	BGWC-7	BGWC-8
2/10/2022						<0.0002
2/11/2022					<0.0002	
2/14/2022	<0.0002	<0.0002		<0.0002		
7/26/2022			0.00017 (J)			0.00016 (J)
7/28/2022				<0.0002	<0.0002	
7/29/2022	<0.0002					
8/2/2022		0.00028				
1/25/2023			<0.0002			
1/26/2023					<0.0002	<0.0002
1/31/2023				0.00018 (J)		
2/1/2023	<0.0002					
2/7/2023		<0.0002				
Mean	0.0001982	0.0001889	0.0001957	0.0001957	0.000193	0.0001932
Std. Dev.	6.03E-06	5.207E-05	1.134E-05	7.868E-06	3.208E-05	2.37E-05
Upper Lim.	0.0002	0.00028	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.0002	0.0001	0.00017	0.00018	5.3E-05	0.00016

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	8E-05 (J)
8/11/2016	<0.0002
10/5/2016	<0.0002
12/5/2016	<0.0002
2/15/2017	<0.0002
4/17/2017	<0.0002
5/26/2017	<0.0002
7/11/2017	<0.0002
3/27/2018	<0.0002
4/1/2019	<0.0002
9/24/2019	<0.0002
2/20/2020	<0.0002
3/19/2020	<0.0002
9/24/2020	<0.0002
2/17/2021	<0.0002
3/24/2021	<0.0002
8/18/2021	<0.0002
2/10/2022	<0.0002
7/26/2022	0.00016 (J)
1/26/2023	0.00013 (J)
Mean	0.0001885
Std. Dev.	3.1E-05
Upper Lim.	0.0002
Lower Lim.	0.00016

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21
6/6/2016	<0.01					
6/7/2016		0.0067 (J)				
6/8/2016				<0.01	0.011 (J)	0.0027 (J)
8/10/2016	<0.01					
8/12/2016				<0.01	0.0127	
8/16/2016		0.0032 (J)				
8/18/2016						0.0023 (J)
10/4/2016	<0.01					
10/7/2016		0.0032 (J)		<0.01		
10/10/2016					0.0136	0.0025 (J)
12/1/2016	<0.01					
12/6/2016		0.0049 (J)				
12/7/2016				<0.01	0.0139	
12/8/2016						<0.01
2/14/2017	<0.01					
2/16/2017		0.0039 (J)		<0.01		
2/17/2017					0.0148	<0.01
4/13/2017	<0.01					
4/18/2017		0.0032 (J)				
4/19/2017				<0.01	0.012	0.0014 (J)
5/25/2017	<0.01					
6/1/2017				<0.01	0.0125	0.0012 (J)
6/2/2017		0.0035 (J)				
7/7/2017	<0.01					
7/12/2017		0.0037 (J)				
7/14/2017				<0.01		
7/18/2017					0.0155	0.0013 (J)
3/27/2018		0.0032 (J)		<0.01		
3/28/2018					0.012	<0.01
6/13/2018					0.016	
6/14/2018		0.0033 (J)				<0.01
6/15/2018				<0.01		
10/16/2018	<0.01					
10/18/2018		0.0034 (J)				
10/19/2018				<0.01		<0.01
10/22/2018					0.013	
2/27/2019					0.013	
2/28/2019		0.0035 (J)				
3/1/2019				<0.01		
4/2/2019	0.00026 (J)	0.0032 (J)				
4/3/2019				0.00023 (J)	0.012	0.0019 (J)
9/23/2019	<0.01					
9/25/2019		0.0035 (J)				
9/26/2019				<0.01	0.015	
9/30/2019						0.003 (J)
2/18/2020	<0.01					
2/20/2020		0.0037 (J)				
2/24/2020				<0.01	0.015	
2/26/2020						0.0016 (J)
3/19/2020	<0.01					
3/20/2020				<0.01		0.0023 (J)
3/23/2020		0.0035 (J)			0.016	

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21
5/22/2020			0.0012 (J)			
6/23/2020			<0.01			
7/28/2020			0.00094 (J)			
9/2/2020			0.0013 (J)			
9/23/2020	<0.01					
9/24/2020		0.0032 (J)				0.0036 (J)
9/28/2020				<0.01	0.018	
10/1/2020			0.0017 (J)			
11/10/2020			0.0016 (J)			
12/15/2020			0.0019			
1/20/2021			0.0016 (J)			
2/18/2021	<0.01	0.0036 (J)	0.0045 (J)	<0.01	0.028	
2/19/2021						0.0013 (J)
3/24/2021			<0.01			
3/26/2021				<0.01		
3/29/2021					0.024	0.0021 (J)
3/30/2021		0.0035 (J)				
3/31/2021	0.001 (J)					
8/16/2021	<0.01					
8/18/2021		0.0029 (J)	0.0011 (J)			
8/20/2021				<0.01	0.026	0.003 (J)
2/9/2022	<0.01		<0.01			
2/11/2022		0.003 (J)				
2/16/2022				<0.01	0.025	0.005 (J)
7/26/2022	<0.01		0.0015 (J)			
7/27/2022				<0.01	0.028	
7/28/2022		0.0028 (J)				0.0042 (J)
1/25/2023	<0.01					
1/26/2023			0.0016 (J)			
1/27/2023		0.0025 (J)		<0.01		0.003 (J)
1/30/2023					0.035	
Mean	0.009063	0.003526	0.003496	0.009575	0.01748	0.0042
Std. Dev.	0.002887	0.0008291	0.003625	0.002037	0.00666	0.003352
Upper Lim.	0.01	0.0036	0.01	0.01	0.024	0.002634
Lower Lim.	0.001	0.0032	0.0012	0.00023	0.0127	0.001646

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31
6/8/2016	0.07			0.0064 (J)		
6/9/2016		0.013 (J)	0.0024 (J)			
8/15/2016				0.0039 (J)		
8/18/2016	0.0758	0.0136	0.0034 (J)			
10/10/2016	0.0712	0.0134	0.0047 (J)	0.0029 (J)		
12/7/2016		0.0128	0.0066 (J)			
12/8/2016	0.0682			<0.01		
1/23/2017					0.0125	
2/7/2017					0.0163	
2/17/2017	0.066					
2/20/2017		0.0122	0.0026 (J)	0.0024 (J)		
3/27/2017					0.0157	
4/17/2017					0.0178	
4/19/2017		0.0124	0.002 (J)			
4/20/2017	0.0662			0.0019 (J)		
5/22/2017					0.0208	
6/1/2017				0.0026 (J)		
6/5/2017	0.071	0.0115	0.0015 (J)		0.0191	
7/11/2017					0.0218	
7/17/2017		0.0131	0.0013 (J)	0.0024 (J)		
7/19/2017	0.0703					
8/23/2017					0.0218	
3/26/2018					0.014	
3/28/2018				<0.01		
3/29/2018	0.056	0.013	0.0027 (J)			
6/13/2018		0.013	<0.01			
6/14/2018	0.059			<0.01		
6/15/2018					0.012	
10/18/2018						<0.01
10/22/2018	0.055	0.013	<0.01	<0.01	0.01	
3/1/2019	0.039	0.013	<0.01	<0.01	0.011	
4/2/2019					0.01	
4/3/2019	0.039	0.012	0.00095 (J)			
4/4/2019				0.00096 (J)		0.00033 (J)
5/2/2019	0.043					
9/24/2019						<0.01
9/27/2019	0.045	0.012			0.0036 (J)	
9/30/2019			0.00099 (J)	<0.01		
2/25/2020	0.039	0.014				
2/26/2020			<0.01	<0.01	0.0023 (J)	<0.01
3/20/2020	0.039					
3/23/2020		0.013			0.0037 (J)	<0.01
3/24/2020				<0.01		
3/25/2020			<0.01			
9/24/2020	0.04	0.011				
9/25/2020			0.00081 (J)		0.0027 (J)	
9/28/2020				<0.01		<0.01
2/19/2021	0.046	0.011	<0.01			
2/22/2021						<0.01
2/23/2021				<0.01		
3/8/2021					0.0031 (J)	
3/25/2021					0.0017 (J)	

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31
3/26/2021		0.011 (J)	<0.01	<0.01		
3/29/2021	0.045					<0.01
7/19/2021	0.044	0.011	<0.01			
7/20/2021					0.0018 (J)	
8/19/2021				<0.01	0.0032 (J)	
8/20/2021						<0.01
8/23/2021	0.041	0.0098 (J)	<0.01			
11/1/2021	0.043	0.0092 (J)	<0.01		0.0032 (J)	
2/14/2022		0.0079 (J)			0.0048 (J)	
2/15/2022	0.039		<0.01			
2/16/2022				<0.01		<0.01
7/27/2022				<0.01		
7/28/2022						<0.01
8/1/2022		0.0071 (J)			0.0047 (J)	
8/2/2022	0.04		0.0027 (J)			
10/21/2022			<0.01 (R)			
1/27/2023				<0.01		<0.01
2/1/2023			<0.01		0.0058 (J)	
2/2/2023		0.0078 (J)				
2/7/2023	0.032					
Mean	0.05164	0.01163	0.006256	0.007542	0.009736	0.009194
Std. Dev.	0.01371	0.001921	0.003986	0.003562	0.007008	0.002791
Upper Lim.	0.0662	0.01262	0.01	0.01	0.01214	0.01
Lower Lim.	0.04	0.01088	0.0024	0.0029	0.005399	0.00033

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D
10/17/2018				0.017		
10/19/2018		0.0021 (J)				
10/22/2018	0.0038 (J)		0.033			
11/29/2018			0.03			
1/14/2019				0.013		
4/2/2019				0.011		
4/4/2019		0.0011 (J)	0.03			
4/5/2019	0.0035 (J)					
5/2/2019						0.11
5/3/2019	0.0048 (J)			0.04		
9/24/2019		<0.01				
9/26/2019	0.003 (J)		0.033			
9/27/2019				0.013		
2/25/2020			0.026		0.012	
2/26/2020				0.0032 (J)		
2/27/2020	0.0032 (J)	0.001 (J)				0.11
3/23/2020				0.0058 (J)		
3/24/2020	0.0031 (J)	0.001 (J)			0.01	0.12
3/25/2020			0.022			
9/2/2020						0.1
9/25/2020	0.003 (J)		0.024		0.0088 (J)	
9/28/2020		0.00078 (J)		0.0084 (J)		
2/19/2021		0.0009 (J)				
2/22/2021			0.035		0.012	
2/23/2021	0.0032 (J)					
3/8/2021				0.0083 (J)		
3/9/2021						0.13
3/25/2021				0.013		
3/26/2021			0.036		0.017	
3/29/2021						0.13
3/30/2021	0.0037 (J)	0.0011 (J)				
8/19/2021						0.076
8/20/2021			0.04		0.016	
8/23/2021				0.014		
8/24/2021		0.00098 (J)				
8/25/2021	0.0038 (J)					
11/1/2021						0.081
2/14/2022				0.012		0.097
2/16/2022	0.0038 (J)	0.00094 (J)				
2/17/2022			0.039		0.016	
7/28/2022		0.0011 (J)	0.036		0.0082 (J)	
7/29/2022	0.0036 (J)			0.0095 (J)		
8/2/2022						0.093
1/30/2023		0.0011 (J)	0.035		0.014	
1/31/2023	0.0039 (J)					
2/1/2023				0.0083 (J)		
2/7/2023						0.02
Mean	0.003569	0.001425	0.03223	0.0105	0.0154	0.097
Std. Dev.	0.0004956	0.001173	0.00557	0.003722	0.009178	0.03114
Upper Lim.	0.003938	0.0021	0.03637	0.01327	0.02067	0.1229
Lower Lim.	0.003201	0.0009	0.02809	0.007733	0.009233	0.07105

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D
2/27/2020	0.0039 (J)					
2/28/2020		0.0014 (J)				
3/24/2020	0.0026 (J)					
3/25/2020		0.0012 (J)				
5/4/2020			<0.01		0.14	<0.01
5/11/2020				0.02		
5/20/2020				0.021	0.16	
9/2/2020			0.015			
9/3/2020				0.018	0.11	0.0055 (J)
9/29/2020	0.01	0.00069 (J)				
2/18/2021						0.0062 (J)
2/22/2021	0.0076 (J)	<0.01	0.013	0.0052 (J)		
3/8/2021					0.2	
3/29/2021					0.21	
3/30/2021		<0.01				
3/31/2021	0.0062 (J)		0.011			0.0023 (J)
4/1/2021				0.0059 (J)		
7/20/2021					0.24	
8/18/2021						0.0041 (J)
8/20/2021				0.013		
8/23/2021					0.21	
8/24/2021	0.0076 (J)	<0.01	0.011			
2/9/2022						0.0011 (J)
2/15/2022			0.0087 (J)		0.15	
2/16/2022	0.0052 (J)	<0.01				
2/17/2022				0.0055 (J)		
7/26/2022						0.012
7/28/2022		<0.01		0.0092 (J)		
7/29/2022			0.008 (J)			
8/1/2022					0.16	
8/2/2022	0.0062 (J)					
1/25/2023						0.011
1/30/2023				0.0033 (J)		
1/31/2023		<0.01				
2/1/2023			0.0092 (J)			
2/2/2023	0.0035 (J)					
2/7/2023					0.13	
Mean	0.005867	0.007032	0.01011	0.01123	0.171	0.0059
Std. Dev.	0.002343	0.004455	0.003099	0.006946	0.04175	0.003846
Upper Lim.	0.008128	0.01	0.0134	0.01794	0.2083	0.009976
Lower Lim.	0.003605	0.00069	0.006828	0.004527	0.1337	0.001824

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/7/2016						0.00063 (J)
6/8/2016					0.0088 (J)	
8/10/2016						0.0039 (J)
8/11/2016					0.01	
10/4/2016						0.0052 (J)
10/6/2016					0.0117	
12/2/2016						<0.01
12/6/2016					0.0102	
2/14/2017						0.0044 (J)
2/15/2017					0.0018 (J)	
4/14/2017						0.0013 (J)
4/18/2017					0.0103	
5/26/2017						0.0024 (J)
6/2/2017					0.0129	
7/10/2017						0.0013 (J)
7/14/2017					0.0129	
3/26/2018						<0.01
3/27/2018					0.01	
6/12/2018						0.0026 (J)
6/13/2018					0.013	
10/16/2018						0.0041 (J)
10/18/2018					0.01 (J)	
2/25/2019						<0.01
2/28/2019					0.016	
4/1/2019						0.00054 (J)
4/2/2019					0.011	
9/24/2019					0.01 (J)	0.0016 (J)
2/19/2020						0.0018 (J)
2/21/2020					0.011	
3/18/2020						<0.01
3/19/2020					0.011	
9/23/2020						<0.01
9/25/2020					0.0099 (J)	
1/28/2021			<0.01	0.0038 (J)		
2/16/2021						0.0011 (J)
2/18/2021					0.0098 (J)	
2/23/2021			<0.01	0.0039 (J)		
3/24/2021						<0.01
3/30/2021			0.0027 (J)	0.0035 (J)	0.011	
4/19/2021	0.0067 (J)	0.0043 (J)				
8/18/2021		0.0021 (J)				0.0019 (J)
8/19/2021					0.0094 (J)	
8/23/2021			<0.01	0.0038 (J)		
8/24/2021	0.0049 (J)					
2/9/2022		0.0032 (J)				
2/10/2022						0.00081 (J)
2/11/2022					0.0088 (J)	
2/14/2022			<0.01	0.0041 (J)		
2/17/2022	0.0056 (J)					
7/26/2022		0.0029 (J)				0.00096 (J)
7/28/2022				0.0053 (J)	0.009 (J)	
8/1/2022	0.0066 (J)		<0.01			

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
1/25/2023		0.0067 (J)				
1/26/2023					0.0096 (J)	0.00095 (J)
1/31/2023			<0.01	0.0087 (J)		
2/1/2023	0.0072 (J)					
Mean	0.0062	0.00384	0.008957	0.004729	0.01035	0.004152
Std. Dev.	0.0009301	0.001783	0.002759	0.001845	0.002502	0.003764
Upper Lim.	0.007758	0.006827	0.01	0.0087	0.0117	0.002333
Lower Lim.	0.004642	0.0008528	0.0027	0.0035	0.0096	0.001124

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.0028 (J)
8/11/2016	0.003 (J)
10/5/2016	0.0032 (J)
12/5/2016	0.0033 (J)
2/15/2017	0.0027 (J)
4/17/2017	0.0025 (J)
5/26/2017	0.0029 (J)
7/11/2017	0.0029 (J)
3/27/2018	0.0031 (J)
6/12/2018	0.0043 (J)
10/17/2018	0.0038 (J)
4/1/2019	0.0027 (J)
9/24/2019	0.0041 (J)
2/20/2020	0.002 (J)
3/19/2020	0.0024 (J)
9/24/2020	0.0034 (J)
2/17/2021	0.0033 (J)
3/24/2021	0.0027 (J)
8/18/2021	0.0028 (J)
2/10/2022	0.0026 (J)
7/26/2022	0.0029 (J)
1/26/2023	0.002 (J)
Mean	0.002973
Std. Dev.	0.00058
Upper Lim.	0.003284
Lower Lim.	0.002661

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
6/6/2016	<0.005					
6/7/2016		<0.005		<0.005	0.0004 (J)	
6/8/2016						<0.005
8/10/2016	<0.005					
8/11/2016				<0.005	<0.005	
8/12/2016		<0.005				<0.005
10/4/2016	<0.005					
10/6/2016		<0.005				
10/7/2016				<0.005	<0.005	<0.005
12/1/2016	<0.005					
12/5/2016		<0.005				
12/6/2016				<0.005	<0.005	<0.005
2/14/2017	<0.005					
2/15/2017		<0.005				
2/16/2017				0.0012 (J)	<0.005	<0.005
4/13/2017	<0.005					
4/18/2017		<0.005		<0.005		
4/19/2017					<0.005	<0.005
5/25/2017	<0.005					
5/30/2017				<0.005	<0.005	
6/1/2017						<0.005
6/2/2017		<0.005				
7/7/2017	<0.005					
7/13/2017		<0.005				
7/14/2017				<0.005	<0.005	<0.005
3/27/2018				<0.005	<0.005	<0.005
3/28/2018		<0.005				
2/25/2019				<0.005		
2/27/2019					<0.005	<0.005
2/28/2019		<0.005				
4/1/2019		0.0004 (J)				
4/2/2019	0.00031 (J)			0.0006 (J)	0.00077 (J)	0.001 (J)
9/23/2019	<0.005					
9/25/2019		<0.005				
9/26/2019				<0.005	<0.005	<0.005
2/18/2020	<0.005					
2/20/2020				0.0026 (J)		
2/24/2020		<0.005			0.0013 (J)	<0.005
3/19/2020	<0.005	<0.005		0.0019 (J)	0.0022 (J)	
3/20/2020						<0.005
5/22/2020			0.0014 (J)			
6/23/2020			<0.005			
7/28/2020			<0.005			
9/2/2020			<0.005			
9/23/2020	<0.005					
9/24/2020				0.003 (J)	<0.005	<0.005
9/25/2020		<0.005				
10/1/2020			<0.005			
11/10/2020			<0.005			
12/15/2020			<0.005			
1/20/2021			<0.005			
2/18/2021	<0.005		<0.005	0.0017 (J)	<0.005	<0.005

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
2/19/2021		<0.005				
3/24/2021		<0.005	<0.005	0.0017 (J)	<0.005	<0.005
3/31/2021	0.0032 (J)					
8/16/2021	<0.005					
8/18/2021		<0.005	<0.005	<0.005		
8/19/2021					<0.005	<0.005
2/9/2022	<0.005		<0.005			
2/11/2022		<0.005		<0.005	<0.005	
2/16/2022						<0.005
7/26/2022	<0.005		<0.005			
7/27/2022		<0.005		0.0018 (J)	<0.005	<0.005
1/25/2023	<0.005					
1/26/2023		<0.005	<0.005	0.0024 (J)	<0.005	0.0022 (J)
Mean	0.004658	0.004781	0.004743	0.003662	0.00427	0.004676
Std. Dev.	0.001131	0.001004	0.0009621	0.001648	0.001571	0.00104
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0032	0.0004	0.0014	0.0018	0.0022	0.0022

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/8/2016	0.00043 (J)	<0.005	<0.005	<0.005		
6/9/2016					<0.005	0.00099 (J)
8/12/2016	<0.005	<0.005				
8/18/2016			<0.005	<0.005	<0.005	0.0023 (J)
10/7/2016	<0.005					
10/10/2016		<0.005	0.001 (J)	<0.005	<0.005	0.004 (J)
12/7/2016	<0.005	0.0037 (J)			0.0176	0.0302
12/8/2016			<0.005	0.012		
2/16/2017	<0.005					
2/17/2017		<0.005	<0.005	<0.005		
2/20/2017					<0.005	0.0044 (J)
4/19/2017	<0.005	<0.005	<0.005		<0.005	0.0046 (J)
4/20/2017				<0.005		
6/1/2017	<0.005	<0.005	<0.005			
6/5/2017				0.0018 (J)	<0.005	0.0033 (J)
7/14/2017	<0.005					
7/17/2017					<0.005	0.0052 (J)
7/18/2017		<0.005	<0.005			
7/19/2017				<0.005		
3/27/2018	<0.005					
3/28/2018		<0.005	<0.005			
3/29/2018				<0.005	<0.005	<0.05
2/27/2019		<0.005				
3/1/2019	<0.005			<0.005	<0.005	<0.05
4/3/2019	0.00058 (J)	<0.005	0.00012 (J)	<0.005	<0.005	0.0038 (J)
9/26/2019	<0.005	<0.005				
9/27/2019				<0.005	<0.005	
9/30/2019			<0.005			0.0065 (J)
2/24/2020	0.0013 (J)	<0.005				
2/25/2020				<0.005	0.002 (J)	
2/26/2020			<0.005			0.0077 (J)
3/20/2020	<0.005		<0.005	<0.005		
3/23/2020		<0.005			<0.005	
3/25/2020						0.0067 (J)
9/24/2020			<0.005	0.0026 (J)	<0.005	
9/25/2020						0.01
9/28/2020	<0.005	<0.005				
2/18/2021	<0.005	<0.005				
2/19/2021			<0.005	<0.005	<0.005	0.0065
3/26/2021	<0.005				<0.005	<0.05
3/29/2021		<0.005	<0.005	<0.005		
8/20/2021	<0.005	<0.005	<0.005			
8/23/2021				<0.005	<0.005	0.0045 (J)
2/14/2022					<0.005	
2/15/2022				<0.005		0.0055
2/16/2022	<0.005	<0.005	<0.005			
7/27/2022	<0.005	<0.005				
7/28/2022			<0.005			
8/1/2022					<0.005	
8/2/2022				<0.005		0.0027 (J)
10/21/2022						0.0045 (J)
1/27/2023	<0.005		<0.005			

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
1/30/2023		<0.005				
2/1/2023						0.006
2/2/2023					0.0019 (J)	
2/7/2023				0.0016 (J)		
Mean	0.004396	0.004938	0.004556	0.004905	0.00531	0.008836
Std. Dev.	0.001524	0.0002837	0.001374	0.001954	0.002961	0.008694
Upper Lim.	0.005	0.005	0.005	0.012	0.0176	0.009666
Lower Lim.	0.0013	0.0037	0.001	0.0026	0.002	0.003907

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-36D	BGWC-38D
1/23/2017	0.015					
2/7/2017	0.0114					
3/27/2017	0.0092 (J)					
4/17/2017	0.0082 (J)					
5/22/2017	0.0094 (J)					
6/5/2017	0.0118					
7/11/2017	0.012					
8/23/2017	0.0097 (J)					
3/26/2018	<0.01					
3/1/2019	0.01 (J)					
4/2/2019	0.0092 (J)				0.014	
4/4/2019		8E-05 (J)		0.0001 (J)		
4/5/2019			0.00015 (J)			
9/24/2019		<0.005		<0.005		
9/26/2019			<0.005			
9/27/2019	0.0033 (J)				0.0071 (J)	
2/26/2020	<0.01	<0.005			0.0029 (J)	
2/27/2020			<0.005	<0.005		<0.005
3/23/2020	0.0041 (J)	<0.005			0.0033 (J)	
3/24/2020			<0.005	<0.005		<0.005
9/2/2020						0.003 (J)
9/25/2020	0.0035 (J)		<0.005			
9/28/2020		<0.005		<0.005	0.0076 (J)	
2/19/2021				<0.005		
2/22/2021		<0.005				
2/23/2021			<0.005			
3/8/2021	0.0048 (J)				0.011	
3/9/2021						0.005
3/25/2021	0.0021 (J)				0.012	
3/29/2021		<0.005				<0.005
3/30/2021			<0.005	<0.005		
8/19/2021	0.0052					<0.005
8/20/2021		<0.005				
8/23/2021					0.0086	
8/24/2021				<0.005		
8/25/2021			<0.005			
2/14/2022	0.0084				0.011	<0.005
2/16/2022		<0.005	<0.005	<0.005		
7/28/2022		<0.005		<0.005		
7/29/2022			<0.005		0.011	
8/1/2022	0.0074					
8/2/2022						<0.005
1/27/2023		<0.005				
1/30/2023				<0.005		
1/31/2023			<0.005			
2/1/2023	0.01				0.0098	
2/7/2023						<0.005
Mean	0.007843	0.004553	0.004559	0.004555	0.008936	0.004778
Std. Dev.	0.003429	0.001483	0.001462	0.001477	0.003493	0.0006667
Upper Lim.	0.009735	0.005	0.005	0.005	0.01185	0.005
Lower Lim.	0.005951	0.005	0.005	0.005	0.006025	0.003

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-51
2/27/2020	<0.005					
2/28/2020		0.0018 (J)				
3/24/2020	<0.005					
3/25/2020		0.0039 (J)				
9/2/2020			0.0016 (J)			
9/3/2020				0.0022 (J)	0.0028 (J)	
9/29/2020	0.002 (J)	0.005 (J)				
1/28/2021						0.014
2/22/2021	<0.005	0.0094	<0.005	<0.005		
2/23/2021						0.013
3/8/2021					<0.005	
3/29/2021					<0.005	
3/30/2021		0.0098				0.01 (J)
3/31/2021	0.002 (J)		0.0016 (J)			
4/1/2021				0.0027 (J)		
8/20/2021				<0.005		
8/23/2021					<0.005	0.013
8/24/2021	<0.005	0.0096	<0.005			
2/14/2022						0.0042 (J)
2/15/2022			<0.005		<0.005	
2/16/2022	<0.005	0.0084				
2/17/2022				<0.005		
7/28/2022		0.007		<0.005		
7/29/2022			<0.005			
8/1/2022					<0.005	0.0036 (J)
8/2/2022	<0.005					
1/30/2023				<0.005		
1/31/2023		0.0097				0.0058
2/1/2023			0.0016 (J)			
2/2/2023	<0.005					
2/7/2023					<0.005	
Mean	0.004333	0.007178	0.003543	0.004271	0.004686	0.009086
Std. Dev.	0.001323	0.002958	0.001817	0.001253	0.0008315	0.004479
Upper Lim.	0.005	0.00975	0.005	0.005	0.005	0.01441
Lower Lim.	0.002	0.00485	0.0016	0.0022	0.0028	0.003765

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-8	BGWC-9
6/6/2016			0.00031 (J)
6/7/2016		4.8E-05 (J)	
8/10/2016		<0.005	
8/11/2016			0.001 (J)
10/4/2016		<0.005	
10/5/2016			0.0017 (J)
12/2/2016		<0.005	
12/5/2016			<0.005
2/14/2017		<0.005	
2/15/2017			<0.005
4/14/2017		<0.005	
4/17/2017			<0.005
5/26/2017		<0.005	0.0014 (J)
7/10/2017		<0.005	
7/11/2017			<0.005
3/26/2018		<0.005	
3/27/2018			<0.005
2/25/2019		<0.005	
4/1/2019		0.00015 (J)	0.0004 (J)
9/24/2019		<0.005	<0.005
2/19/2020		<0.005	
2/20/2020			<0.005
3/18/2020		<0.005	
3/19/2020			0.0015 (J)
9/23/2020		<0.005	
9/24/2020			<0.005
1/28/2021	<0.005		
2/16/2021		<0.005	
2/17/2021			<0.005
2/23/2021	0.0016 (J)		
3/24/2021		<0.005	<0.005
3/30/2021	<0.005		
8/18/2021		<0.005	0.0014 (J)
8/23/2021	<0.005		
2/10/2022		<0.005	<0.005
2/14/2022	0.0018 (J)		
7/26/2022		<0.005	0.0015 (J)
7/28/2022	<0.005		
1/26/2023		<0.005	0.0015 (J)
1/31/2023	<0.005		
Mean	0.004057	0.004533	0.003285
Std. Dev.	0.001611	0.001474	0.001973
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.0016	0.00015	0.0014

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
6/6/2016	<0.001					
6/7/2016		<0.001		0.0002 (J)	8.5E-05 (J)	
6/8/2016						<0.001
8/10/2016	7E-05 (J)					
8/11/2016				0.0002 (J)	8E-05 (J)	
8/12/2016		9E-05 (J)				6E-05 (J)
10/4/2016	<0.001					
10/6/2016		<0.001				
10/7/2016				0.0002 (J)	<0.001	<0.001
12/1/2016	<0.001					
12/5/2016		<0.001				
12/6/2016				0.0003 (J)	<0.001	<0.001
2/14/2017	<0.001					
2/15/2017		<0.001				
2/16/2017				0.0003 (J)	<0.001	<0.001
4/13/2017	0.0001 (J)					
4/18/2017		9E-05 (J)		0.0002 (J)		
4/19/2017					8E-05 (J)	<0.001
5/25/2017	6E-05 (J)					
5/30/2017				0.0002 (J)	9E-05 (J)	
6/1/2017						<0.001
6/2/2017		<0.001				
7/7/2017	7E-05 (J)					
7/13/2017		8E-05 (J)				
7/14/2017				0.0002 (J)	9E-05 (J)	<0.001
3/27/2018				0.00019 (J)	<0.001	<0.001
3/28/2018		<0.001				
6/12/2018				0.0002 (J)		
6/14/2018		<0.001			<0.001	<0.001
10/16/2018	<0.001					
10/17/2018		<0.001			<0.001	
10/18/2018				0.0002 (J)		<0.001
2/25/2019				0.00023 (J)		
2/27/2019					<0.001	<0.001
2/28/2019		<0.001				
4/1/2019		<0.001				
4/2/2019	6.2E-05 (J)			0.0002 (J)	7.5E-05 (J)	<0.001
9/23/2019	6E-05 (J)					
9/25/2019		6E-05 (J)				
9/26/2019				0.00023 (J)	0.00026 (J)	7.1E-05 (J)
2/18/2020	5.3E-05 (J)					
2/20/2020				0.00028 (J)		
2/24/2020		<0.001			5.9E-05 (J)	6.8E-05 (J)
3/19/2020	6.1E-05 (J)	6.2E-05 (J)		0.00022 (J)	6.1E-05 (J)	
3/20/2020						<0.001
5/22/2020			0.00016 (J)			
6/23/2020			0.00011 (J)			
7/28/2020			0.00026 (J)			
9/2/2020			0.00035 (J)			
9/23/2020	<0.001					
9/24/2020				0.00024 (J)	0.00018 (J)	<0.001
9/25/2020		<0.001				

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
10/1/2020			0.0005 (J)			
11/10/2020			0.00044 (J)			
12/15/2020			0.00044			
1/20/2021			0.00031 (J)			
2/18/2021	<0.001		0.00077 (J)	0.00023 (J)	<0.001	<0.001
2/19/2021		<0.001				
3/24/2021		<0.001	0.00023 (J)	0.00019 (J)	<0.001	<0.001
3/31/2021	0.00017 (J)					
8/16/2021	<0.001					
8/18/2021		<0.001	0.00039 (J)	0.00023 (J)		
8/19/2021					<0.001	<0.001
2/9/2022	<0.001		0.00024 (J)			
2/11/2022		<0.001		0.00024 (J)	<0.001	
2/16/2022						<0.001
7/26/2022	<0.001		0.00047 (J)			
7/27/2022		<0.001		0.00025 (J)	<0.001	<0.001
1/25/2023	0.00022 (J)					
1/26/2023		<0.001	0.00048 (J)	0.00023 (J)	<0.001	0.00019 (J)
Mean	0.0005463	0.0007992	0.0003679	0.0002243	0.0006113	0.000843
Std. Dev.	0.0004671	0.0003896	0.0001695	3.273E-05	0.000455	0.0003506
Upper Lim.	0.001	0.001	0.0004879	0.00024	0.001	0.001
Lower Lim.	6.2E-05	9E-05	0.0002478	0.0002	8.5E-05	0.00019

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30
6/8/2016	8.5E-05 (J)	<0.001	0.00035 (J)			
6/9/2016				0.0001 (J)	0.00022 (J)	
8/12/2016	8E-05 (J)	<0.001				
8/18/2016			0.0005 (J)	<0.001	<0.001	
10/7/2016	<0.001					
10/10/2016		<0.001	0.0006 (J)	<0.001	0.0003 (J)	
12/7/2016	<0.001	<0.001		<0.001	<0.001	
12/8/2016			0.0005 (J)			
1/23/2017						0.0008 (J)
2/7/2017						0.0008 (J)
2/16/2017	<0.001					
2/17/2017		<0.001	0.0006 (J)			
2/20/2017				<0.001	0.0003 (J)	
3/27/2017						0.0006 (J)
4/17/2017						0.0007 (J)
4/19/2017	6E-05 (J)	<0.001		<0.001	0.0004 (J)	
4/20/2017			0.0006 (J)			
5/22/2017						0.0008 (J)
6/1/2017	8E-05 (J)	<0.001				
6/5/2017			0.0006 (J)	<0.001	0.0004 (J)	0.0007 (J)
7/11/2017						0.0007 (J)
7/14/2017	8E-05 (J)					
7/17/2017				<0.001	0.0004 (J)	
7/18/2017		<0.001				
7/19/2017			0.0007 (J)			
8/23/2017						0.0007 (J)
3/26/2018						0.00058 (J)
3/27/2018	<0.001					
3/28/2018		<0.001				
3/29/2018			0.00063 (J)	<0.001	0.00048 (J)	
6/13/2018		<0.001		<0.001	0.00053 (J)	
6/14/2018			0.00069 (J)			
6/15/2018	<0.001					0.00056 (J)
10/19/2018	<0.001					
10/22/2018		<0.001	0.00071 (J)	<0.001	0.00047 (J)	0.00034 (J)
2/27/2019		<0.001				
3/1/2019	<0.001		0.00074 (J)	<0.001	0.0007 (J)	0.00024 (J)
4/2/2019						0.00024 (J)
4/3/2019	<0.001	<0.001	0.0007 (J)	<0.001	0.00064 (J)	
9/26/2019	8E-05 (J)	<0.001				
9/27/2019			0.00088 (J)	0.00018 (J)		0.00014 (J)
9/30/2019					0.00069 (J)	
2/24/2020	<0.001	<0.001				
2/25/2020			0.00062 (J)	0.00015 (J)		
2/26/2020					0.00073 (J)	8.5E-05 (J)
3/20/2020	<0.001		0.00063 (J)			
3/23/2020		0.0002 (J)		0.00016 (J)		9.1E-05 (J)
3/25/2020					0.00066 (J)	
9/24/2020			0.001	0.00038 (J)		
9/25/2020					0.00057 (J)	<0.001
9/28/2020	<0.001	<0.001				
2/18/2021	<0.001	<0.001				

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30
2/19/2021			0.00089 (J)	0.00039 (J)	0.0005 (J)	
3/8/2021						<0.001
3/25/2021						<0.001
3/26/2021	<0.001			0.00069 (J)	0.00057 (J)	
3/29/2021		<0.001	0.0009 (J)			
8/19/2021						0.00022 (J)
8/20/2021	<0.001	0.00025 (J)				
8/23/2021			0.00088 (J)	<0.001	0.00051 (J)	
2/14/2022				<0.001		<0.001
2/15/2022			0.0011		0.00045 (J)	
2/16/2022	0.00021 (J)	<0.001				
7/27/2022	<0.001	<0.001				
8/1/2022				<0.001		<0.001
8/2/2022			0.00098 (J)		<0.001	
10/21/2022					0.00032 (J)	
1/27/2023	<0.001					
1/30/2023		<0.001				
2/1/2023					0.00035 (J)	<0.001
2/2/2023				0.00027 (J)		
2/7/2023			0.0008 (J)			
Mean	0.000725	0.0009326	0.0007217	0.000753	0.0004871	0.0006216
Std. Dev.	0.0004259	0.0002234	0.000182	0.0003626	0.0001364	0.0003246
Upper Lim.	0.001	0.001	0.0008169	0.001	0.0005567	0.0004801
Lower Lim.	8.5E-05	0.00025	0.0006265	0.00038	0.0004175	0.0002308

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-39
10/17/2018				0.00026 (J)		
10/19/2018		<0.001				
10/22/2018	0.00014 (J)		<0.001			
4/2/2019				0.00022 (J)		
4/4/2019		<0.001	<0.001			
4/5/2019	0.00046 (J)					
9/24/2019		<0.001				
9/26/2019	0.00017 (J)		<0.001			
9/27/2019				0.00037 (J)		
2/25/2020			<0.001			
2/26/2020				0.00013 (J)		
2/27/2020	0.00013 (J)	8.9E-05 (J)			0.0027	0.00017 (J)
3/23/2020				0.00011 (J)		
3/24/2020	8.4E-05 (J)	<0.001			5.6E-05 (J)	0.00013 (J)
3/25/2020			6.8E-05 (J)			
9/2/2020					0.00042 (J)	
9/25/2020	0.00014 (J)		<0.001			
9/28/2020		<0.001		0.00019 (J)		
9/29/2020						0.00025 (J)
2/19/2021		<0.001				
2/22/2021			0.00016 (J)			0.00021 (J)
2/23/2021	0.00015 (J)					
3/8/2021				0.0002 (J)		
3/9/2021					<0.001	
3/25/2021				0.00019 (J)		
3/26/2021			<0.001			
3/29/2021					0.00018 (J)	
3/30/2021	0.00016 (J)	<0.001				
3/31/2021						0.00017 (J)
8/19/2021					<0.001	
8/20/2021			0.00026 (J)			
8/23/2021				0.00024 (J)		
8/24/2021		<0.001				0.00027 (J)
8/25/2021	<0.001					
2/14/2022				0.00022 (J)	<0.001	
2/16/2022	<0.001	<0.001				<0.001
2/17/2022			<0.001			
7/28/2022		<0.001	0.00022 (J)			
7/29/2022	<0.001			0.00018 (J)		
8/2/2022					<0.001	<0.001
1/30/2023		<0.001	<0.001			
1/31/2023	<0.001					
2/1/2023				<0.001		
2/2/2023						<0.001
2/7/2023					<0.001	
Mean	0.0004528	0.0009241	0.0007257	0.0002342	0.0009284	0.0004667
Std. Dev.	0.0004146	0.000263	0.0004076	0.0001064	0.0007701	0.0004022
Upper Lim.	0.001	0.001	0.001	0.0003065	0.0027	0.001
Lower Lim.	0.00013	8.9E-05	0.00016	0.0001556	5.6E-05	0.00013

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-51	BGWC-52	BGWC-7	BGWC-9
6/6/2016						<0.001
6/8/2016					<0.001	
8/11/2016					<0.001	<0.001
10/5/2016						<0.001
10/6/2016					<0.001	
12/5/2016						<0.001
12/6/2016					<0.001	
2/15/2017					<0.001	<0.001
4/17/2017						<0.001
4/18/2017					<0.001	
5/26/2017						<0.001
6/2/2017					<0.001	
7/11/2017						<0.001
7/14/2017					<0.001	
3/27/2018					<0.001	<0.001
6/12/2018						<0.001
6/13/2018					<0.001	
10/17/2018						<0.001
10/18/2018					<0.001	
2/28/2019					<0.001	
4/1/2019						6.5E-05 (J)
4/2/2019					7E-05 (J)	
9/24/2019					8.7E-05 (J)	<0.001
2/20/2020						0.00022 (J)
2/21/2020					9.6E-05 (J)	
2/28/2020	<0.001					
3/19/2020					0.00011 (J)	0.00018 (J)
3/25/2020	0.00014 (J)					
9/3/2020		0.0024				
9/24/2020						<0.001
9/25/2020					<0.001	
9/29/2020	<0.001					
1/28/2021			0.0002 (J)	0.00045 (J)		
2/17/2021						<0.001
2/18/2021					<0.001	
2/22/2021	<0.001					
2/23/2021			<0.001	0.00023 (J)		
3/8/2021		0.0015				
3/24/2021						<0.001
3/29/2021		0.0016				
3/30/2021	<0.001		0.0004 (J)	0.00024 (J)	0.00015 (J)	
8/18/2021						<0.001
8/19/2021					0.00023 (J)	
8/23/2021		0.0028	<0.001	0.00037 (J)		
8/24/2021	<0.001					
2/10/2022						<0.001
2/11/2022					0.0003 (J)	
2/14/2022			<0.001	<0.001		
2/15/2022		0.0034				
2/16/2022	<0.001					
7/26/2022						<0.001
7/28/2022	<0.001			<0.001	0.00029 (J)	

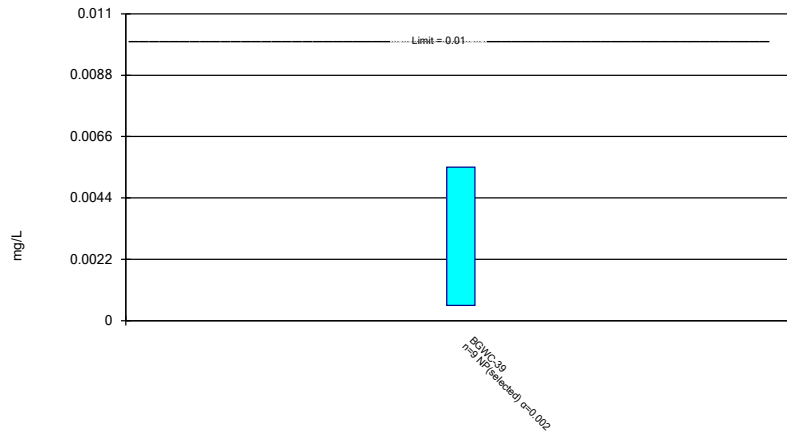
Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-51	BGWC-52	BGWC-7	BGWC-9
8/1/2022		0.0028	<0.001			
1/26/2023					0.00019 (J)	0.00018 (J)
1/31/2023	<0.001		<0.001	0.0002 (J)		
2/7/2023		0.0011				
Mean	0.0009044	0.002229	0.0008	0.0004986	0.0006749	0.0008475
Std. Dev.	0.0002867	0.000842	0.0003464	0.0003535	0.0004179	0.0003321
Upper Lim.	0.001	0.003229	0.001	0.0004096	0.001	0.001
Lower Lim.	0.00014	0.001228	0.0002	0.0001965	0.00019	0.00022

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

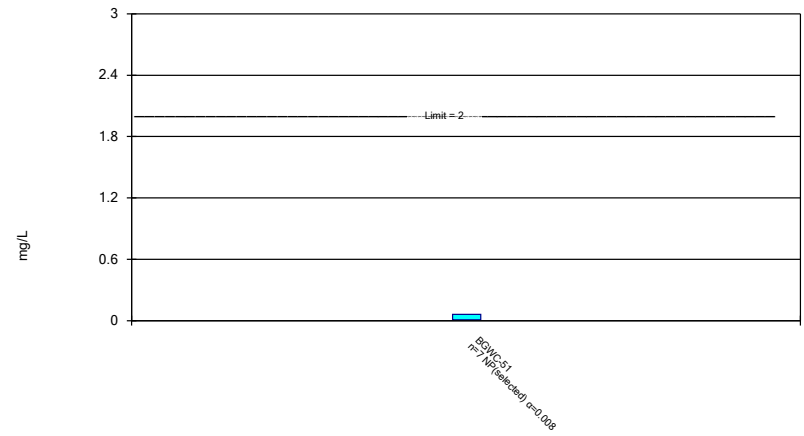


Normality testing disabled.

Constituent: Arsenic Analysis Run 5/25/2023 2:47 PM View: Appendix IV Nonparametric
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

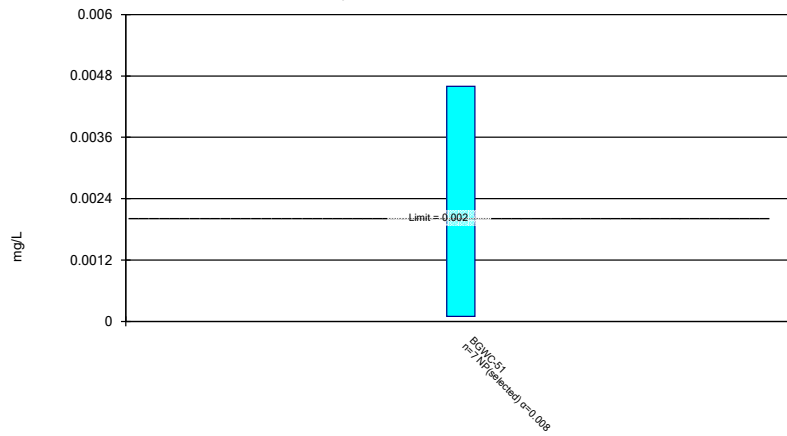


Normality testing disabled.

Constituent: Barium Analysis Run 5/25/2023 2:47 PM View: Appendix IV Nonparametric
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Mercury Analysis Run 5/25/2023 2:47 PM View: Appendix IV Nonparametric
Plant Bowen Client: Southern Company Data: Bowen AP-1

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV Nonparametric
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-39
2/27/2020	0.00055 (J)
3/24/2020	<0.005
9/29/2020	<0.005
2/22/2021	0.0026 (J)
3/31/2021	<0.005
8/24/2021	0.0028 (J)
2/16/2022	0.0052
8/2/2022	0.0055
2/2/2023	0.0048 (J)
Mean	0.00405
Std. Dev.	0.001681
Upper Lim.	0.0055
Lower Lim.	0.00055

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV Nonparametric
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51
1/28/2021	0.061
2/23/2021	0.054
3/30/2021	0.051
8/23/2021	0.044
2/14/2022	0.011
8/1/2022	0.0081
1/31/2023	0.011
Mean	0.0343
Std. Dev.	0.02326
Upper Lim.	0.061
Lower Lim.	0.0081

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV Nonparametric
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51
1/28/2021	0.0046
2/23/2021	0.0033
3/30/2021	0.002
8/23/2021	0.0014
2/14/2022	0.00025
8/1/2022	<0.0002
1/31/2023	0.00021
Mean	0.001694
Std. Dev.	0.001734
Upper Lim.	0.0046
Lower Lim.	0.0001

FIGURE I.

Appendix IV Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:51 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	BGWC-22	0.004028	232	118	Yes	26	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-33 (bg)	-0.003419	-39	-38	Yes	12	0	n/a	n/a	0.01	NP

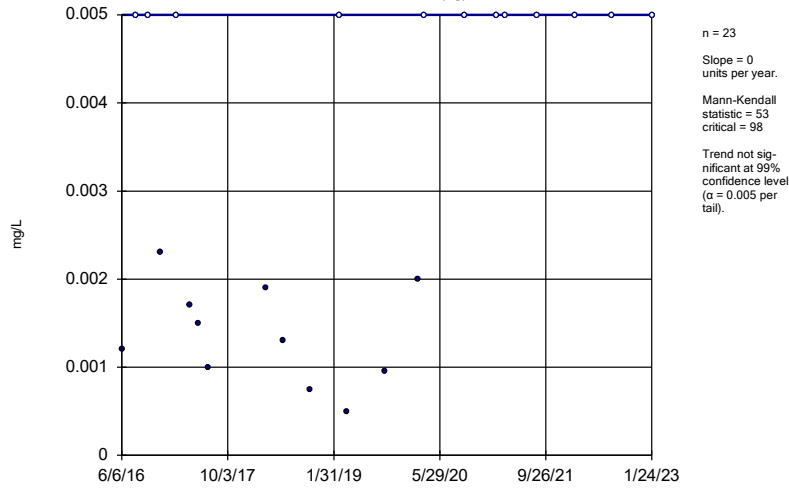
Appendix IV Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:51 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	BGWA-2 (bg)	0	53	98	No	23	52.17	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	27	98	No	23	60.87	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-33 (bg)	0.001043	20	34	No	11	18.18	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	14	48	No	14	71.43	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-48D (bg)	0.0005603	24	48	No	14	42.86	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWC-34D	0	-3	-48	No	14	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	14	105	No	24	87.5	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	98	No	23	100	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-33 (bg)	0	1	34	No	11	81.82	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	11	48	No	14	92.86	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	13	48	No	14	85.71	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWC-22	0.004028	232	118	Yes	26	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-2 (bg)	0	34	105	No	24	50	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	-2	-98	No	23	95.65	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-33 (bg)	-0.003419	-39	-38	Yes	12	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	13	48	No	14	92.86	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.001228	-33	-48	No	14	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWC-43D	0.005598	3	30	No	10	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

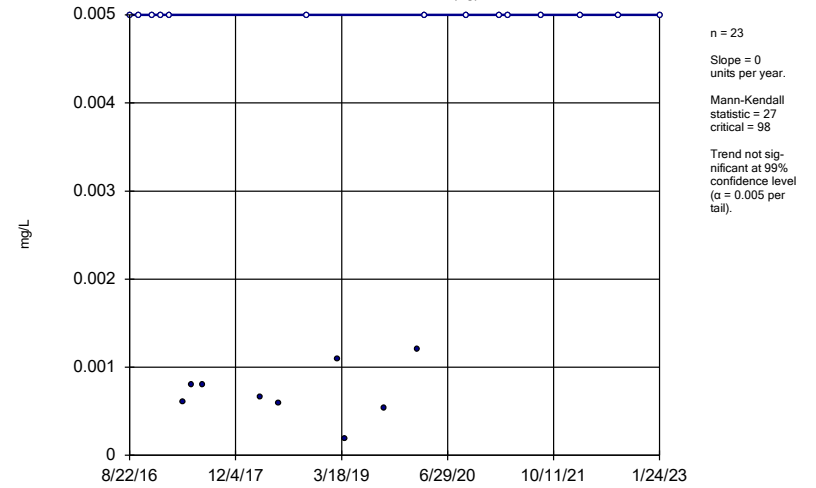
BGWA-2 (bg)



Constituent: Arsenic Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

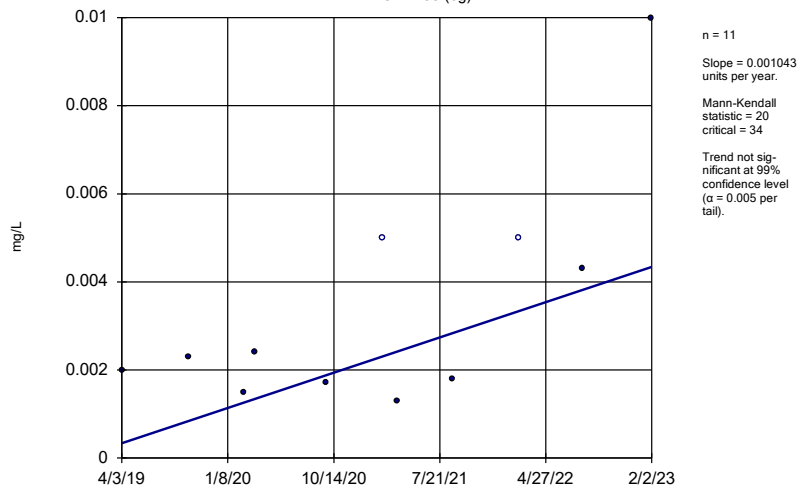
BGWA-29 (bg)



Constituent: Arsenic Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

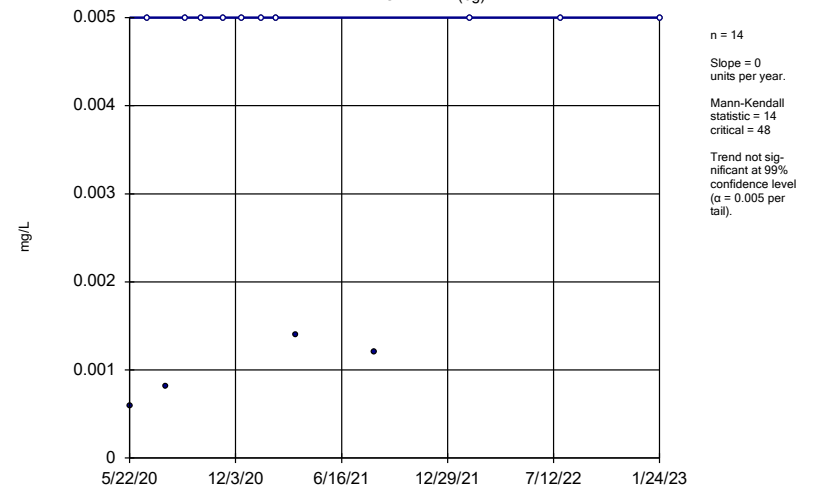
BGWA-33 (bg)



Constituent: Arsenic Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

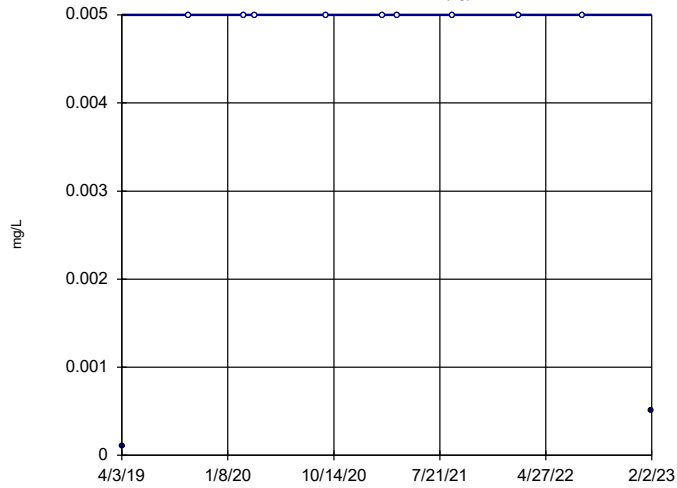
BGWA-47D (bg)



Constituent: Arsenic Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-33 (bg)

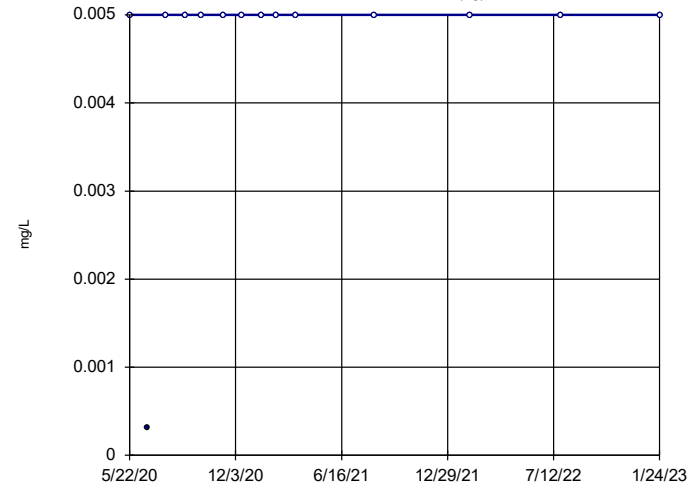


n = 11
Slope = 0
units per year.
Mann-Kendall
statistic = 1
critical = 34
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

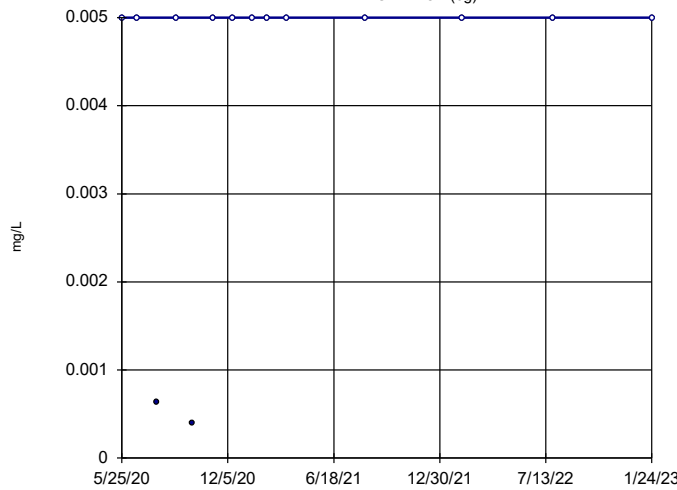


n = 14
Slope = 0
units per year.
Mann-Kendall
statistic = 11
critical = 48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

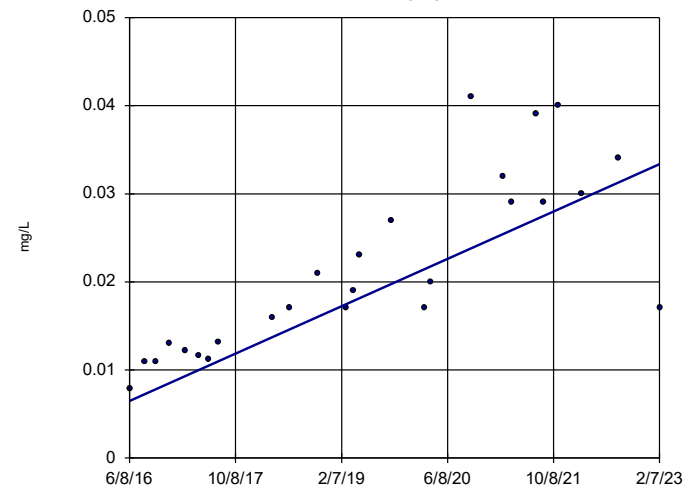


n = 14
Slope = 0
units per year.
Mann-Kendall
statistic = 13
critical = 48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

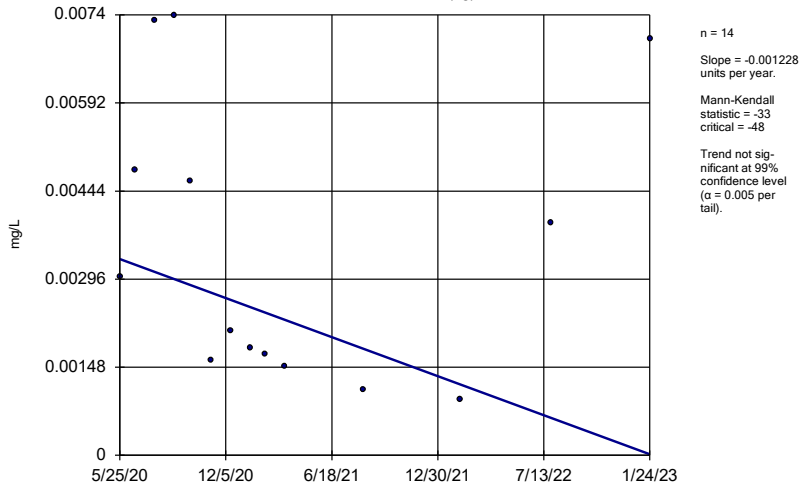


n = 26
Slope = 0.004028
units per year.
Mann-Kendall
statistic = 232
critical = 118
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

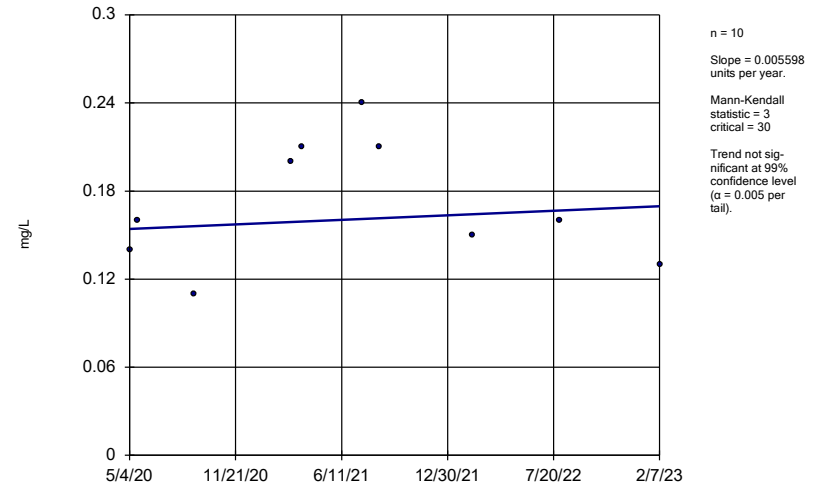
BGWA-48D (bg)



Constituent: Molybdenum Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-43D



Constituent: Molybdenum Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE J.

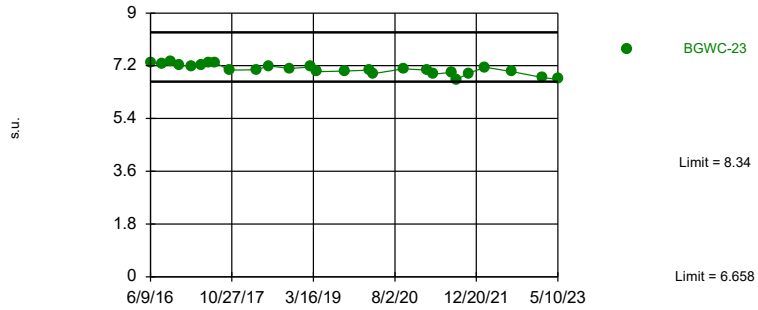
Appendix III - Interwell Prediction Limits - Resample Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:26 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (s.u.)	BGWC-23	8.34	6.658	5/10/2023	6.74	No	89	56.94	5.928	0	None	x^2	0.000198	Param Inter 1 of 2

Within Limits

Prediction Limit
Interwell Parametric



Prediction Limit

Constituent: pH (s.u.) Analysis Run 5/25/2023 2:26 PM View: Appendix III - Resample
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-23	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
6/6/2016	7.69					
6/9/2016		7.3				
8/9/2016	7.72					
8/18/2016		7.27				
8/22/2016			7.91			
10/3/2016	7.74					
10/4/2016			7.81			
10/10/2016		7.35				
11/29/2016	7.74					
12/1/2016			8.06			
12/7/2016		7.23				
1/10/2017			7.97			
2/13/2017	7.63					
2/14/2017			7.89			
2/20/2017		7.17				
4/13/2017	7.57					
4/14/2017			7.86			
4/19/2017		7.22				
5/25/2017	7.84		8.11			
6/5/2017		7.31				
7/7/2017	7.82					
7/10/2017			8.12			
7/17/2017		7.3				
10/9/2017	7.8					
10/10/2017			8.13			
10/11/2017		7.05				
3/26/2018	7.74		7.98			
3/29/2018		7.06				
6/12/2018	7.88		8.09			
6/13/2018		7.19				
10/16/2018	7.73		7.64			
10/22/2018		7.11				
2/25/2019	7.78					
2/27/2019			8			
3/1/2019		7.16				
4/1/2019	7.7		7.85			
4/2/2019				7.67		
4/3/2019		7				
5/2/2019	7.71					
9/23/2019	7.58		7.98			
9/27/2019		7.02		7.75		
2/18/2020	7.67					
2/19/2020			8.01			
2/21/2020				7.54		
2/25/2020		7.05				
3/18/2020	7.65		8.12			
3/20/2020				7.53		
3/23/2020		6.93				
5/22/2020				7.15		
5/25/2020					7.45	
6/23/2020				7 (D)	7.46 (D)	
7/28/2020				6.98	7.79	

Prediction Limit

Constituent: pH (s.u.) Analysis Run 5/25/2023 2:26 PM View: Appendix III - Resample
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-23	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)
9/2/2020					6.95	
9/3/2020						7.35
9/23/2020	7.32		8.08			
9/24/2020		7.09				
9/25/2020				7.62		
9/28/2020				7.02		
10/1/2020					6.94	7.41
11/10/2020					6.89	7.17
12/15/2020					7.04	7.37
1/20/2021					6.83	7.31
2/16/2021	7.75		8			
2/17/2021					6.89	7.21
2/19/2021		7.05		7.73		
3/23/2021			8			
3/25/2021					6.94	7.22
3/26/2021	7.63	6.91				
4/1/2021				7.75		
7/19/2021		6.98				
8/16/2021	7.46		7.6		6.8	7.13
8/23/2021		6.73				
8/25/2021				7.52		
11/1/2021		6.94				
2/9/2022	7.36				6.86	7.16
2/10/2022			8.09			
2/14/2022		7.15				
2/16/2022				7.2		
7/26/2022	7.45		7.92		6.75	7.37
8/1/2022		7				
8/3/2022				6.89		
1/24/2023	7.32		7.77		6.72	7.32
2/2/2023		6.8		6.7		
5/10/2023		6.74				

FIGURE K.

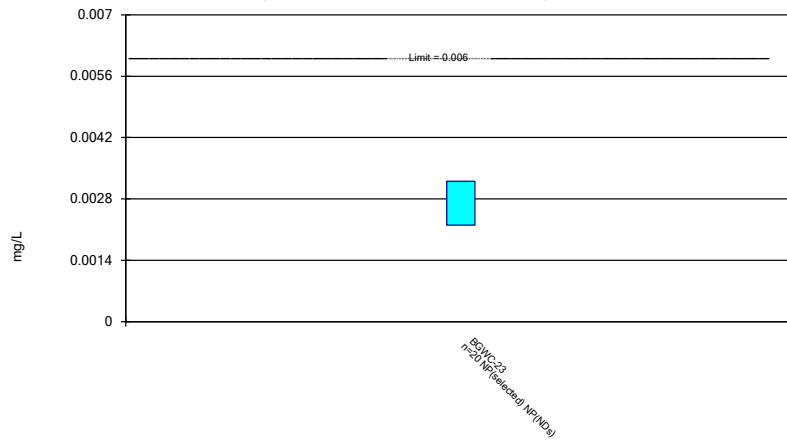
Confidence Intervals - Resample Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 5/25/2023, 2:30 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Antimony (mg/L)	BGWC-23	0.0032	0.0022	0.006	No	20	0.002722	0.001366	60	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01.



Normality testing disabled.

Constituent: Antimony Analysis Run 5/25/2023 2:29 PM View: Appendix IV - Resample
Plant Bowen Client: Southern Company Data: Bowen AP-1

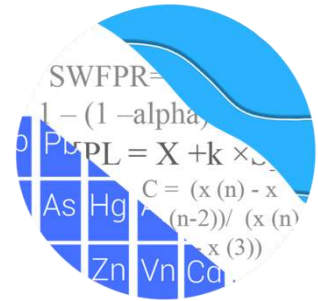
Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 5/25/2023 2:30 PM View: Appendix IV - Resample
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-23
6/9/2016	<0.003
8/18/2016	0.0009 (J)
10/10/2016	<0.003
12/7/2016	<0.003
2/20/2017	<0.003
4/19/2017	<0.003
6/5/2017	<0.003
7/17/2017	<0.003
3/29/2018	<0.003
3/1/2019	<0.003
2/25/2020	<0.003
3/23/2020	0.00053 (J)
9/24/2020	<0.003
2/19/2021	0.00031 (J)
3/26/2021	<0.003
8/23/2021	0.0029 (J)
2/14/2022	0.0014 (J)
8/1/2022	0.0022 (J)
2/2/2023	0.007
5/10/2023	0.0032
Mean	0.002722
Std. Dev.	0.001366
Upper Lim.	0.0032
Lower Lim.	0.0022

August 2023

GROUNDWATER STATS CONSULTING



January 31, 2024

Southern Company Services
Attn: Ms. Kristen Jurinko
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308

Re: Plant Bowen Ash Pond 1 (AP-1)
August 2023 Sample Event

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the Groundwater Detection and Assessment Monitoring Semi-Annual August 2023 sample event for Georgia Power Company's Plant Bowen AP-1. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Appendix III and IV parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells with exceptions noted below. All wells were sampled most recently in August 2023. Sampling is conducted on a semi-annual basis for all constituents. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient well:** BGWA-2, BGWA-29, BGWA-33, BGWA-47D, and BGWA-48D
- **Downgradient wells:** BGWC-7, BGWC-8, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20,

BGWC-21, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, and BGWC-52

- **Assessment wells:** BGWA-6, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-36D, BGWC-37D, BGWC-38D, BGWC-39, BGWC-40, BGWC-41D, BGWC-42D, BGWC-43D, BGWC-44D, BGWC-49D, and BGWC-50D

Sampling for upgradient well BGWA-33 began in April 2019 and for upgradient wells BGWA-47D and BGWA-48D in May 2020. Data from these wells are pooled with upgradient wells for construction of interwell statistical limits. Downgradient wells BGWC-51 and BGWC-52 were first sampled in January 2021 and currently have a maximum of 8 samples; therefore, these wells are evaluated with intrawell prediction limits for Appendix III parameters, which require a minimum of 8 samples, and confidence intervals for Appendix IV constituents, which require a minimum of 4 samples.

Sampling for assessment wells started at various dates ranging from June 2016 to March 2021 as listed below:

- June 2016 - BGWA-6
- October 2018 - BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, and BGWC-36D
- May 2019 - BGWC-37D and BGWC-38D
- December 2019 - BGWC-39 and BGWC-40
- May 2020 - BGWC-41D, BGWC-42D, BGWC-43D, and BGWC-44D
- March 2021 – BGWC-49D and BGWC-50D

Data from assessment wells are analyzed using confidence intervals for Appendix IV constituents when a minimum of 4 samples are available as mentioned above. Currently assessment wells BGWC-49D and BGWC-50D have the required minimum samples and, therefore, are evaluated using confidence intervals. Data from all assessment wells are plotted on the time series graphs and box plots.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The CCR program consists of the following constituents listed below. The terms “constituent” and “parameter” are interchangeable.

- **Appendix III** (Detection Monitoring) - boron, calcium, chloride, fluoride, pH, sulfate, and TDS

- **Appendix IV** (Assessment Monitoring) – antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix IV downgradient and assessment well/constituent pairs with 100% non-detects follows this letter. For all constituents, a substitution of the most recent reporting limit is used for non-detect data which generally gives the most conservative limit in each case. In the cases of antimony, arsenic, and cadmium, historic reporting limits were either higher than or equal to the MCL or CCR-Rule specified levels; therefore, a substitution of the most recent (and lower) respective reporting limits were substituted across all wells for these constituents. Similarly, dilution factors for beryllium and lithium resulted in elevated reporting limits for some wells; therefore, the most recent (and lower) respective reporting limits were substituted across all wells for these constituents.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Based on the previous screening, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the 2017 screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

The original background screening was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Interwell prediction limits, combined with a 1-of-2 resample plan, were recommended.

Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. While data were further tested for intrawell eligibility during the screening, interwell methods are used for all Appendix III constituents in accordance with Georgia EPD requirements.

Summary of Statistical Methods – Appendix III and IV Parameters

Based on the evaluation for state and federal regulatory requirements, the following methods were selected for Appendix III and IV constituents:

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan, for each Appendix III constituent
- Appendix IV: Confidence intervals on downgradient well data compared against Groundwater Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric prediction limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric limits. This technique

adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.

- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. While this was not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Statistical Analysis of Appendix III Parameters – August 2023

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were reassessed for potential outliers during this analysis. No additional Appendix III values were flagged as an outlier in the database for Appendix III parameters. Values in background which were previously flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through August 2023 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The August 2023 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result. Therefore, no exceedance is noted and no further action is necessary. If no

resample is collected, the original result is considered a confirmed exceedance. Several prediction limit exceedances were noted for Appendix III parameters and a summary table of the interwell prediction limits follows this letter.

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of variability in groundwater unrelated to practices at the site. A summary along with complete graphical results of the trend tests follows this report. Statistically significant trends were noted for the following well/constituent pairs:

Increasing

- Boron: BGWC-12, BGWC-20, BGWC-22, BGWC-23, and BGWC-25
- Calcium: BGWA-2 (upgradient), BGWC-12, BGWC-16, BGWC-20, BGWC-22, and BGWC-23
- Chloride: BGWC-10, BGWC-22, and BGWC-23
- Sulfate: BGWA-2 (upgradient), BGWC-12, and BGWC-16
- TDS: BGWA-2 (upgradient), BGWC-12, BGWC-16, BGWC-20, BGWC-22, and BGWC-23

Decreasing

- Boron: BGWC-7, BGWC-9, BGWC-17, BGWC-18, BGWC-19, BGWC-30, and BGWC-51
- Chloride: BGWA-29 (upgradient), BGWA-47D (upgradient), BGWC-12, BGWC-16, BGWC-24, BGWC-30, BGWC-51, and BGWC-9
- Fluoride: BGWA-48D (upgradient)
- pH: BGWA-2 (upgradient), BGWA-33 (upgradient), BGWA-47D (upgradient), BGWA-48D (upgradient), BGWC-16, BGWC-22, and BGWC-24
- Sulfate: BGWC-7, BGWC-9, and BGWC-10
- TDS: BGWC-7 and BGWC-30

Statistical Analysis of Appendix IV Parameters – August 2023

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs that have 100% non-detects do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis. No additional measurements were flagged and all previously flagged measurements were confirmed. A summary of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

Interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through August 2023 for Appendix IV constituents (Figure F). Parametric tolerance limits are used when data follow a normal or transformed-normal distribution. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title
- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison of downgradient well data to GWPS, confidence intervals were constructed for the Appendix IV constituents in each downgradient and assessment well using all available data through August 2023 (Figure H).

Confidence intervals were compared to the GWPS prepared as described above. These intervals were constructed as either parametric or nonparametric confidence intervals depending on the data distribution and percentage of non-detects. When data followed a normal or transformed-normal distribution, parametric confidence intervals were used for Appendix IV parameters. Nonparametric confidence intervals, which use the appropriate order statistics, depending on the sample size, as interval limits, were constructed when data did not follow a normal or transformed-normal distribution or when there were greater than 50% non-detects. The lower confidence limit, which is constructed with 99% confidence for parametric confidence intervals, is compared to the GWPS prepared as described above. The achievable confidence level associated with nonparametric confidence intervals is dependent upon the number samples available.

Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Summaries of the confidence intervals follow this letter and exceedances were identified for the following well/constituent pairs:

- Arsenic: BGWC-34D
- Cobalt: BGWC-22
- Molybdenum: BGWC-43D

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test at the 95% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure I). Although the trend tests for Assessment monitoring pairs were previously evaluated using 99% confidence, the 95% confidence level more rapidly identifies statistically significant trends. Additionally, the 95% confidence is recommended in cases with limited sample sizes and, particularly, for new assessment wells. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient wells, it is an indication of variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV

trend test results follows this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Cobalt: BGWC-22

Decreasing

- Molybdenum: BGWA-33 (upgradient)

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen AP-1. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Tristan Clark
Groundwater Analyst



Andrew Collins
Project Manager

100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 10/30/2023 2:54 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Antimony (mg/L)

BGWC-12, BGWC-18, BGWC-30, BGWC-39

Beryllium (mg/L)

BGWA-6, BGWC-10, BGWC-14A, BGWC-20, BGWC-21, BGWC-25, BGWC-30, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-37D, BGWC-40, BGWC-41D, BGWC-42D, BGWC-43D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-7, BGWC-8, BGWC-9

Cadmium (mg/L)

BGWA-6, BGWC-10, BGWC-12, BGWC-21, BGWC-25, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-36D, BGWC-37D, BGWC-40, BGWC-41D, BGWC-42D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-7, BGWC-8, BGWC-9

Chromium (mg/L)

BGWC-19, BGWC-22, BGWC-34D, BGWC-50D

Cobalt (mg/L)

BGWC-42D, BGWC-44D, BGWC-51

Fluoride (mg/L)

BGWC-31

Lead (mg/L)

BGWC-7

Lithium (mg/L)

BGWC-18, BGWC-19, BGWC-21, BGWC-25, BGWC-31, BGWC-32

Mercury (mg/L)

BGWC-32, BGWC-37D, BGWC-39, BGWC-40, BGWC-42D, BGWC-49D, BGWC-50D

Molybdenum (mg/L)

BGWC-12, BGWC-16, BGWC-17, BGWC-18

Selenium (mg/L)

BGWC-10, BGWC-25, BGWC-35D, BGWC-37D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-7

Thallium (mg/L)

BGWC-10, BGWC-21, BGWC-25, BGWC-31, BGWC-41D, BGWC-42D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-8

Appendix III Interwell Prediction Limit - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:32 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg	NB	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.043	n/a	8/17/2023	0.57	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.043	n/a	8/16/2023	1.4	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.043	n/a	8/16/2023	1.7	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.043	n/a	8/17/2023	1.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.043	n/a	8/17/2023	1.3	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.043	n/a	8/17/2023	0.64	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.043	n/a	8/18/2023	0.39	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.043	n/a	8/18/2023	4.8	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.043	n/a	8/22/2023	19.6	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.043	n/a	8/23/2023	8.7	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.043	n/a	8/25/2023	16.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-25	0.043	n/a	8/17/2023	0.075	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.043	n/a	8/21/2023	2.3	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-51	0.043	n/a	8/21/2023	3.1	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-52	0.043	n/a	8/22/2023	1.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-7	0.043	n/a	8/17/2023	1	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.043	n/a	8/17/2023	0.56	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	8/16/2023	178	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	8/16/2023	196	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	8/17/2023	187	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	8/18/2023	309	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	8/22/2023	793	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	8/23/2023	332	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	8/25/2023	486	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-51	117	n/a	8/21/2023	123	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	8/17/2023	125	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	8.832	n/a	8/17/2023	29.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-12	8.832	n/a	8/16/2023	13.7	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-14A	8.832	n/a	8/16/2023	18.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-16	8.832	n/a	8/17/2023	18.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-17	8.832	n/a	8/17/2023	39.5	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-18	8.832	n/a	8/17/2023	12.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-20	8.832	n/a	8/18/2023	145	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-22	8.832	n/a	8/22/2023	1020	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-23	8.832	n/a	8/23/2023	439	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-24	8.832	n/a	8/25/2023	641	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-25	8.832	n/a	8/17/2023	11.4	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-30	8.832	n/a	8/21/2023	97.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-51	8.832	n/a	8/21/2023	108	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-52	8.832	n/a	8/22/2023	64.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-9	8.832	n/a	8/17/2023	10.7	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
pH (s.u.)	BGWC-14A	8.346	6.576	8/16/2023	6.56	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-16	8.346	6.576	8/17/2023	6.22	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-18	8.346	6.576	8/17/2023	6.23	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-19	8.346	6.576	8/18/2023	6.43	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-22	8.346	6.576	8/22/2023	6.4	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-24	8.346	6.576	8/25/2023	6.36	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
Sulfate (mg/L)	BGWC-10	78	n/a	8/17/2023	95	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	8/16/2023	398	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	8/16/2023	486	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	8/17/2023	453	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	8/17/2023	116	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	8/18/2023	612	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	8/22/2023	748	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	8/23/2023	320	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	8/25/2023	337	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-51	78	n/a	8/21/2023	95	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-52	78	n/a	8/22/2023	92.8	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	8/17/2023	207	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	8/17/2023	87.3	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-12	415	n/a	8/16/2023	1050	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-14A	415	n/a	8/16/2023	1090	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-16	415	n/a	8/17/2023	977	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-17	415	n/a	8/17/2023	438	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-20	415	n/a	8/18/2023	1490	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-22	415	n/a	8/22/2023	3940	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-23	415	n/a	8/23/2023	1620	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-24	415	n/a	8/25/2023	2120	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limit - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:32 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/L)	BGWC-30	415	n/a	8/21/2023	611	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-51	415	n/a	8/21/2023	704	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-52	415	n/a	8/22/2023	468	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-7	415	n/a	8/17/2023	702	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limit - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:32 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.043	n/a	8/17/2023	0.57	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.043	n/a	8/16/2023	1.4	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.043	n/a	8/16/2023	1.7	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.043	n/a	8/17/2023	1.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.043	n/a	8/17/2023	1.3	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.043	n/a	8/17/2023	0.64	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.043	n/a	8/18/2023	0.39	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.043	n/a	8/18/2023	4.8	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-21	0.043	n/a	8/23/2023	0.026J	No	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.043	n/a	8/22/2023	19.6	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.043	n/a	8/23/2023	8.7	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.043	n/a	8/25/2023	16.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-25	0.043	n/a	8/17/2023	0.075	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.043	n/a	8/21/2023	2.3	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-51	0.043	n/a	8/21/2023	3.1	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-52	0.043	n/a	8/22/2023	1.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-7	0.043	n/a	8/17/2023	1	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-8	0.043	n/a	8/16/2023	0.034J	No	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.043	n/a	8/17/2023	0.56	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-10	117	n/a	8/17/2023	62.2	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	8/16/2023	178	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	8/16/2023	196	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	8/17/2023	187	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-17	117	n/a	8/17/2023	75.4	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-18	117	n/a	8/17/2023	57	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-19	117	n/a	8/18/2023	56.5	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	8/18/2023	309	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-21	117	n/a	8/23/2023	43.9	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	8/22/2023	793	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	8/23/2023	332	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	8/25/2023	486	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-25	117	n/a	8/17/2023	48.1	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-30	117	n/a	8/21/2023	98.8	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-51	117	n/a	8/21/2023	123	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-52	117	n/a	8/22/2023	85.7	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	8/17/2023	125	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-8	117	n/a	8/16/2023	38.8	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-9	117	n/a	8/17/2023	66.9	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	8.832	n/a	8/17/2023	29.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-12	8.832	n/a	8/16/2023	13.7	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-14A	8.832	n/a	8/16/2023	18.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-16	8.832	n/a	8/17/2023	18.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-17	8.832	n/a	8/17/2023	39.5	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-18	8.832	n/a	8/17/2023	12.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-19	8.832	n/a	8/18/2023	5.9	No	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-20	8.832	n/a	8/18/2023	145	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-21	8.832	n/a	8/23/2023	5	No	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-22	8.832	n/a	8/22/2023	1020	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-23	8.832	n/a	8/23/2023	439	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-24	8.832	n/a	8/25/2023	641	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-25	8.832	n/a	8/17/2023	11.4	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-30	8.832	n/a	8/21/2023	97.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-51	8.832	n/a	8/21/2023	108	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-52	8.832	n/a	8/22/2023	64.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-7	8.832	n/a	8/17/2023	8	No	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-8	8.832	n/a	8/16/2023	1.7	No	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-9	8.832	n/a	8/17/2023	10.7	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Fluoride (mg/L)	BGWC-10	0.57	n/a	8/17/2023	0.05J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-12	0.57	n/a	8/16/2023	0.089J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-14A	0.57	n/a	8/16/2023	0.076J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-16	0.57	n/a	8/17/2023	0.074J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-17	0.57	n/a	8/17/2023	0.12	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-18	0.57	n/a	8/17/2023	0.056J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-19	0.57	n/a	8/18/2023	0.077J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-20	0.57	n/a	8/18/2023	0.068J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-21	0.57	n/a	8/23/2023	0.1ND	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-22	0.57	n/a	8/22/2023	0.23	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-23	0.57	n/a	8/23/2023	0.1ND	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limit - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:32 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	BGWC-24	0.57	n/a	8/25/2023	0.15	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-25	0.57	n/a	8/17/2023	0.1ND	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-30	0.57	n/a	8/21/2023	0.065J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-51	0.57	n/a	8/21/2023	0.14	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-52	0.57	n/a	8/22/2023	0.098J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-7	0.57	n/a	8/17/2023	0.14	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-8	0.57	n/a	8/16/2023	0.064J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-9	0.57	n/a	8/17/2023	0.091J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
pH (s.u.)	BGWC-10	8.346	6.576	8/17/2023	7.18	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-12	8.346	6.576	8/16/2023	6.7	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-14A	8.346	6.576	8/16/2023	6.56	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-16	8.346	6.576	8/17/2023	6.22	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-17	8.346	6.576	8/17/2023	6.9	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-18	8.346	6.576	8/17/2023	6.23	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-19	8.346	6.576	8/18/2023	6.43	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-20	8.346	6.576	8/18/2023	6.84	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-21	8.346	6.576	8/23/2023	6.96	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-22	8.346	6.576	8/22/2023	6.4	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-23	8.346	6.576	8/23/2023	6.69	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-24	8.346	6.576	8/25/2023	6.36	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-25	8.346	6.576	8/17/2023	6.97	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-30	8.346	6.576	8/21/2023	7	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-51	8.346	6.576	8/21/2023	6.79	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-52	8.346	6.576	8/22/2023	7.13	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-7	8.346	6.576	8/17/2023	6.79	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-8	8.346	6.576	8/16/2023	7.36	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-9	8.346	6.576	8/17/2023	6.79	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
Sulfate (mg/L)	BGWC-10	78	n/a	8/17/2023	95	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-12	78	n/a	8/16/2023	398	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-14A	78	n/a	8/16/2023	486	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-16	78	n/a	8/17/2023	453	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-17	78	n/a	8/17/2023	116	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-18	78	n/a	8/17/2023	60.8	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-19	78	n/a	8/18/2023	66	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-20	78	n/a	8/18/2023	612	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-21	78	n/a	8/23/2023	46.4	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-22	78	n/a	8/22/2023	748	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-23	78	n/a	8/23/2023	320	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-24	78	n/a	8/25/2023	337	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-25	78	n/a	8/17/2023	20.2	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-30	78	n/a	8/21/2023	54	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-51	78	n/a	8/21/2023	95	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-52	78	n/a	8/22/2023	92.8	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-7	78	n/a	8/17/2023	207	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-8	78	n/a	8/16/2023	21	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-9	78	n/a	8/17/2023	87.3	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-10	415	n/a	8/17/2023	398	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-12	415	n/a	8/16/2023	1050	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-14A	415	n/a	8/16/2023	1090	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-16	415	n/a	8/17/2023	977	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-17	415	n/a	8/17/2023	438	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-18	415	n/a	8/17/2023	303	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-19	415	n/a	8/18/2023	318	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-20	415	n/a	8/18/2023	1490	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-21	415	n/a	8/23/2023	268	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-22	415	n/a	8/22/2023	3940	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-23	415	n/a	8/23/2023	1620	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-24	415	n/a	8/25/2023	2120	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-25	415	n/a	8/17/2023	250	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-30	415	n/a	8/21/2023	611	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-51	415	n/a	8/21/2023	704	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-52	415	n/a	8/22/2023	468	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-7	415	n/a	8/17/2023	702	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-8	415	n/a	8/16/2023	189	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-9	415	n/a	8/17/2023	393	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	

Appendix III Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWC-12	0.06093	129	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.06493	-89	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.06733	-120	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.05163	-92	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.1986	106	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.62	191	111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.698	157	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.004361	94	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.297	-151	-105	Yes	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-51	-9.299	-24	-21	Yes	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.156	-151	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.03744	-109	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.813	150	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.32	184	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	8.673	122	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.42	151	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	57.52	211	111	Yes	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	70.58	159	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-51	-236.4	-22	-21	Yes	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.123	-144	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3306	-59	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.247	147	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-4.868	-197	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.682	-149	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	56.05	159	111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	71.1	129	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-166.2	-129	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-126.4	-164	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-51	-348.9	-22	-21	Yes	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-9	-4.582	-129	-87	Yes	21	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-48D (bg)	-0.01422	-59	-53	Yes	15	40	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-2 (bg)	-0.05727	-152	-118	Yes	26	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-33 (bg)	-0.2748	-45	-43	Yes	13	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1259	-81	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-48D (bg)	-0.1622	-56	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06875	-204	-111	Yes	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-22	-0.06847	-243	-131	Yes	28	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-24	-0.04846	-184	-131	Yes	28	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.322	162	92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-1.587	-91	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	31.65	154	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	18.89	129	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.32	-119	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-7.074	-117	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-2 (bg)	8.479	106	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	66.18	144	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-16	29.91	106	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-20	32.3	98	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	224.5	117	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	197.1	110	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-310.2	-137	-92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-42.86	-130	-87	Yes	21	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	-0.00002121	-5	-92	No	22	13.64	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	-3	-92	No	22	54.55	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-33 (bg)	-0.004584	-20	-34	No	11	9.091	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.001225	-16	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	0.002616	6	48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-10	0.004195	48	87	No	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-12	0.06093	129	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-14A	0.1655	34	48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-16	0	2	87	No	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.06493	-89	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.06733	-120	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.05163	-92	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.1986	106	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.62	191	111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.698	157	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-24	-1.136	-55	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.004361	94	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.297	-151	-105	Yes	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-51	-9.299	-24	-21	Yes	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-52	-4.431	-17	-21	No	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.156	-151	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.03744	-109	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.813	150	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-29 (bg)	0	-3	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-33 (bg)	7.88	29	34	No	11	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	2.086	18	48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	-0.8519	-3	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.32	184	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-14A	15.18	35	48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	8.673	122	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.42	151	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	57.52	211	111	Yes	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	70.58	159	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-24	-46.67	-66	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-51	-236.4	-22	-21	Yes	8	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-7	-1.6	-54	-87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-2 (bg)	0.158	74	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.123	-144	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-33 (bg)	-0.3585	-11	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3306	-59	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-48D (bg)	0.5721	13	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.247	147	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-4.868	-197	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-14A	-1.877	-28	-48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.682	-149	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-17	0.4813	23	87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-18	-2.883	-78	-87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-20	2.064	77	87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	56.05	159	111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	71.1	129	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-166.2	-129	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-25	0.3302	78	87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-126.4	-164	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-51	-348.9	-22	-21	Yes	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-52	-194.5	-18	-21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-9	-4.582	-129	-87	Yes	21	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-2 (bg)	-0.00176	-85	-118	No	26	42.31	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-29 (bg)	0	60	111	No	25	56	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-33 (bg)	-0.001734	-11	-38	No	12	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-47D (bg)	0	-22	-53	No	15	73.33	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-48D (bg)	-0.01422	-59	-53	Yes	15	40	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-2 (bg)	-0.05727	-152	-118	Yes	26	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-29 (bg)	-0.009636	-26	-111	No	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-33 (bg)	-0.2748	-45	-43	Yes	13	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1259	-81	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-48D (bg)	-0.1622	-56	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-14A	-0.1202	-47	-53	No	15	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06875	-204	-111	Yes	25	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
pH (s.u.)	BGWC-18	-0.07992	-103	-111	No	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-19	-0.005195	-35	-111	No	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-22	-0.06847	-243	-131	Yes	28	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-24	-0.04846	-184	-131	Yes	28	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.322	162	92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-29 (bg)	-0.4028	-66	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-33 (bg)	-1.634	-25	-30	No	10	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-47D (bg)	3.774	30	48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	-3.298	-33	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-1.587	-91	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	31.65	154	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-14A	49.66	28	48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	18.89	129	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-17	-2.714	-52	-87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-20	2.021	20	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-22	7.331	32	111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-23	11.27	54	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-24	-43.89	-104	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-51	-219.1	-16	-21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-52	-99.13	-12	-21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.32	-119	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-7.074	-117	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-2 (bg)	8.479	106	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-29 (bg)	-2.017	-46	-87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-33 (bg)	15.58	9	34	No	11	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-47D (bg)	5.224	22	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-48D (bg)	-2.486	-6	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	66.18	144	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-14A	80.2	31	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-16	29.91	106	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-17	1.91	16	87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-20	32.3	98	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	224.5	117	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	197.1	110	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-24	-277.3	-83	-92	No	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-310.2	-137	-92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-51	-992.5	-12	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-52	-532.4	-12	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-42.86	-130	-87	Yes	21	0	n/a	n/a	0.01	NP

Upper Tolerance Limit Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/30/2023, 2:45 PM

Constituent	Upper Lim.	Date	Observ.	Sig.	Bg.N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0042	n/a	n/a	n/a	80	62.5	n/a	n/a	0.01652	NP Inter(NDs)
Arsenic (mg/L)	0.01	n/a	n/a	n/a	90	53.33	n/a	n/a	0.009888	NP Inter(NDs)
Barium (mg/L)	0.218	n/a	n/a	n/a	90	0	n/a	n/a	0.009888	NP Inter(normality)
Beryllium (mg/L)	0.0005	n/a	n/a	n/a	86	98.84	n/a	n/a	0.01214	NP Inter(NDs)
Cadmium (mg/L)	0.0005	n/a	n/a	n/a	90	97.78	n/a	n/a	0.009888	NP Inter(NDs)
Chromium (mg/L)	0.005	n/a	n/a	n/a	86	63.95	n/a	n/a	0.01214	NP Inter(NDs)
Cobalt (mg/L)	0.005	n/a	n/a	n/a	91	90.11	n/a	n/a	0.009394	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.644	n/a	n/a	n/a	89	0	None	No	0.05	Inter
Fluoride (mg/L)	0.57	n/a	n/a	n/a	93	45.16	n/a	n/a	0.008478	NP Inter(normality)
Lead (mg/L)	0.0024	n/a	n/a	n/a	86	68.6	n/a	n/a	0.01214	NP Inter(NDs)
Lithium (mg/L)	0.03	n/a	n/a	n/a	90	82.22	n/a	n/a	0.009888	NP Inter(NDs)
Mercury (mg/L)	0.00022	n/a	n/a	n/a	86	90.7	n/a	n/a	0.01214	NP Inter(NDs)
Molybdenum (mg/L)	0.034	n/a	n/a	n/a	92	54.35	n/a	n/a	0.008924	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	n/a	86	86.05	n/a	n/a	0.01214	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	90	85.56	n/a	n/a	0.009888	NP Inter(NDs)

BOWEN ASH POND 1 GWPS				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.01	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.005	0.1
Cobalt, Total (mg/L)		0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.64	5
Fluoride, Total (mg/L)	4		0.57	4
Lead, Total (mg/L)		0.015	0.0024	0.015
Lithium, Total (mg/L)		0.04	0.03	0.04
Mercury, Total (mg/L)	0.002		0.00022	0.002
Molybdenum, Total (mg/L)		0.1	0.034	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

Appendix IV Confidence Intervals - Significant Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	BGWC-34D	0.01807	0.01513	0.01	Yes	15	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-22	0.02653	0.01709	0.006	Yes	27	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2049	0.1387	0.1	Yes	11	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BGWA-6	0.003	0.0017	0.006	No	18	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-10	0.003	0.0022	0.006	No	20	85	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-14A	0.003	0.00061	0.006	No	15	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-16	0.003	0.0004	0.006	No	20	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-17	0.003	0.0002	0.006	No	20	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-19	0.003	0.0005	0.006	No	20	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-20	0.003	0.0014	0.006	No	20	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-21	0.003	0.0017	0.006	No	19	89.47	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-22	0.003	0.0023	0.006	No	20	85	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-23	0.0032	0.0022	0.006	No	21	61.9	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-24	0.0032	0.0028	0.006	No	20	70	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-25	0.003	0.0013	0.006	No	20	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-31	0.003	0.003	0.006	No	10	90	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-32	0.003	0.00039	0.006	No	10	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-34D	0.003	0.00079	0.006	No	10	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-35D	0.003	0.00066	0.006	No	10	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-36D	0.003	0.003	0.006	No	10	90	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-37D	0.003	0.0022	0.006	No	10	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-38D	0.004254	0.0003617	0.006	No	10	30	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-40	0.003	0.003	0.006	No	10	90	Kaplan-Meier	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-41D	0.003	0.0014	0.006	No	8	75	Kaplan-Meier	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-42D	0.003	0.00072	0.006	No	8	50	None	No	0.004	NP (normality)
Antimony (mg/L)	BGWC-43D	0.003	0.00058	0.006	No	8	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-44D	0.004129	0.001097	0.006	No	8	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Antimony (mg/L)	BGWC-49D	0.003	0.00039	0.006	No	6	83.33	Kaplan-Meier	No	0.0155	NP (NDs)
Antimony (mg/L)	BGWC-50D	0.003	0.0017	0.006	No	6	66.67	Kaplan-Meier	No	0.0155	NP (NDs)
Antimony (mg/L)	BGWC-51	0.003	0.0019	0.006	No	8	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-52	0.003	0.00053	0.006	No	8	62.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-7	0.003	0.0016	0.006	No	20	80	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-8	0.003	0.00059	0.006	No	20	85	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-9	0.003	0.0014	0.006	No	19	78.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWA-6	0.005	0.0012	0.01	No	21	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-10	0.007199	0.005476	0.01	No	24	4.167	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-12	0.005	0.0009	0.01	No	24	41.67	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-14A	0.005	0.002	0.01	No	15	73.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-16	0.005	0.0008	0.01	No	24	62.5	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-17	0.005	0.0012	0.01	No	24	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-18	0.005	0.0013	0.01	No	24	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-19	0.005	0.0008	0.01	No	24	58.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-20	0.005	0.0015	0.01	No	24	41.67	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-21	0.005	0.0011	0.01	No	23	52.17	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-22	0.003418	0.001941	0.01	No	24	8.333	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	BGWC-23	0.004071	0.001958	0.01	No	24	4.167	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-24	0.005859	0.003221	0.01	No	25	12	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-25	0.00293	0.002125	0.01	No	24	12.5	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-30	0.005	0.001	0.01	No	24	37.5	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-31	0.005499	0.003901	0.01	No	13	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-32	0.003245	0.001279	0.01	No	13	15.38	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-34D	0.01807	0.01513	0.01	Yes	15	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-35D	0.005348	0.001386	0.01	No	13	7.692	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	BGWC-36D	0.00251	0.0007236	0.01	No	13	38.46	Kaplan-Meier	x^(1/3)	0.01	Param.
Arsenic (mg/L)	BGWC-37D	0.02866	0.008743	0.01	No	10	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-38D	0.004038	0.001489	0.01	No	10	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-39	0.00627	0.001632	0.01	No	10	30	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-40	0.002702	0.000975	0.01	No	10	40	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-41D	0.00843	0.0009751	0.01	No	8	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-42D	0.008482	0.002643	0.01	No	8	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-43D	0.005831	0.0009037	0.01	No	8	12.5	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-44D	0.006378	0.002572	0.01	No	8	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-49D	0.009852	0.002014	0.01	No	6	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-50D	0.003637	0.001763	0.01	No	6	33.33	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-51	0.005794	0.001906	0.01	No	8	37.5	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-52	0.005	0.00099	0.01	No	8	37.5	None	No	0.004	NP (normality)
Arsenic (mg/L)	BGWC-7	0.002856	0.002061	0.01	No	24	8.333	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-8	0.005	0.00065	0.01	No	24	45.83	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-9	0.00241	0.001807	0.01	No	23	17.39	Kaplan-Meier	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWA-6	0.016	0.0115	2	No	21	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-10	0.05677	0.04488	2	No	24	0	None	sqrt(x)	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	BGWC-12	0.03897	0.03138	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-14A	0.04129	0.03178	2	No	15	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-16	0.03071	0.02777	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-17	0.0183	0.015	2	No	24	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-18	0.03493	0.03048	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-19	0.03777	0.03123	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-20	0.0342	0.03121	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-21	0.04231	0.03175	2	No	23	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-22	0.08944	0.07812	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-23	0.1049	0.08861	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-24	0.104	0.07337	2	No	25	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-25	0.0243	0.01773	2	No	24	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-30	0.191	0.07	2	No	24	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-31	0.042	0.033	2	No	13	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-32	0.1183	0.08953	2	No	13	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-34D	0.05082	0.03918	2	No	13	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-35D	0.09413	0.06372	2	No	13	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-36D	0.084	0.06	2	No	13	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-37D	0.1	0.087	2	No	10	0	None	No	0.011	NP (normality)
Barium (mg/L)	BGWC-38D	0.1836	0.09599	2	No	10	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-39	0.07699	0.04761	2	No	10	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-40	0.05644	0.04376	2	No	10	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-41D	0.06753	0.05147	2	No	8	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-42D	0.13	0.07076	2	No	8	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-43D	0.07683	0.06042	2	No	8	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-44D	0.02905	0.01645	2	No	8	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-49D	0.09179	0.05454	2	No	6	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-50D	0.06954	0.02713	2	No	6	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-51	0.061	0.0081	2	No	8	0	None	No	0.004	NP (normality)
Barium (mg/L)	BGWC-52	0.08457	0.02268	2	No	8	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-7	0.03821	0.03237	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-8	0.03033	0.02716	2	No	24	0	None	x^3	0.01	Param.
Barium (mg/L)	BGWC-9	0.0314	0.02752	2	No	23	0	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-12	0.0005	0.000076	0.004	No	22	90.91	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-16	0.0005	0.00012	0.004	No	22	40.91	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-17	0.0005	0.000065	0.004	No	22	77.27	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-18	0.0005	0.00009	0.004	No	22	63.64	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-19	0.0005	0.000087	0.004	No	22	63.64	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-22	0.0005	0.00011	0.004	No	22	40.91	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-23	0.0005	0.000054	0.004	No	22	95.45	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-24	0.0005	0.00018	0.004	No	23	56.52	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-36D	0.0005	0.00007	0.004	No	12	91.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-38D	0.0005	0.000059	0.004	No	10	50	None	No	0.011	NP (normality)
Beryllium (mg/L)	BGWC-39	0.0005	0.0005	0.004	No	10	90	None	No	0.011	NP (NDs)
Beryllium (mg/L)	BGWC-51	0.0005	0.00007	0.004	No	8	25	None	No	0.004	NP (normality)
Beryllium (mg/L)	BGWC-52	0.0005	0.000052	0.004	No	8	87.5	None	No	0.004	NP (NDs)
Cadmium (mg/L)	BGWC-14A	0.0005	0.00017	0.005	No	15	40	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-16	0.001739	0.001353	0.005	No	24	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-17	0.0005	0.00016	0.005	No	24	41.67	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-18	0.0006	0.0003	0.005	No	24	54.17	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-19	0.0005	0.0002	0.005	No	24	87.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-20	0.0005	0.00008	0.005	No	24	95.83	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-22	0.0005	0.00033	0.005	No	24	62.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-23	0.0005	0.00019	0.005	No	24	95.83	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-24	0.00543	0.003064	0.005	No	25	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-30	0.0005	0.0003	0.005	No	24	58.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-38D	0.0005	0.0005	0.005	No	10	80	None	No	0.011	NP (NDs)
Cadmium (mg/L)	BGWC-39	0.0005	0.00014	0.005	No	10	40	None	No	0.011	NP (normality)
Cadmium (mg/L)	BGWC-43D	0.001153	0.0001451	0.005	No	8	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	BGWC-51	0.0005287	0.0002588	0.005	No	8	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	BGWC-52	0.0005	0.00018	0.005	No	8	62.5	Kaplan-Meier	No	0.004	NP (NDs)
Chromium (mg/L)	BGWA-6	0.005	0.0044	0.1	No	20	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-10	0.005	0.0011	0.1	No	22	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-12	0.005	0.0018	0.1	No	22	72.73	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-14A	0.026	0.0014	0.1	No	15	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-16	0.005	0.0019	0.1	No	22	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-17	0.005	0.00044	0.1	No	22	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-18	0.005	0.0011	0.1	No	22	86.36	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	BGWC-20	0.005	0.0022	0.1	No	22	63.64	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-21	0.005	0.0025	0.1	No	21	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-23	0.005	0.0033	0.1	No	22	77.27	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-24	0.005	0.0009	0.1	No	23	86.96	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-25	0.005	0.0021	0.1	No	22	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-30	0.005	0.00087	0.1	No	22	40.91	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-31	0.005	0.00064	0.1	No	12	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-32	0.005	0.00062	0.1	No	12	58.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-35D	0.005	0.00072	0.1	No	12	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-36D	0.005	0.00057	0.1	No	12	66.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-37D	0.005	0.00068	0.1	No	10	80	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-38D	0.005	0.0031	0.1	No	10	80	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-39	0.005	0.005	0.1	No	10	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-40	0.005	0.00058	0.1	No	10	40	None	No	0.011	NP (normality)
Chromium (mg/L)	BGWC-41D	0.005	0.00068	0.1	No	8	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-42D	0.005	0.00062	0.1	No	8	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-43D	0.005	0.0024	0.1	No	8	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-44D	0.005	0.00093	0.1	No	8	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-49D	0.005	0.00071	0.1	No	6	83.33	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-51	0.005	0.0006	0.1	No	8	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-52	0.005	0.00061	0.1	No	8	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-7	0.005	0.00095	0.1	No	22	86.36	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-8	0.005	0.0011	0.1	No	22	27.27	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-9	0.005	0.0021	0.1	No	21	90.48	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWA-6	0.005	0.00052	0.006	No	21	57.14	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-10	0.005	0.00051	0.006	No	24	62.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-12	0.005	0.00045	0.006	No	24	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-14A	0.002446	0.001162	0.006	No	15	26.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BGWC-16	0.008396	0.005779	0.006	No	24	4.167	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-17	0.005	0.00015	0.006	No	24	95.83	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-18	0.005	0.0009	0.006	No	24	79.17	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-19	0.005	0.000072	0.006	No	24	95.83	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-20	0.005	0.0008	0.006	No	24	87.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-21	0.005	0.0006	0.006	No	23	39.13	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-22	0.02653	0.01709	0.006	Yes	27	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-23	0.005	0.0015	0.006	No	26	73.08	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-24	0.003955	0.002882	0.006	No	27	11.11	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-25	0.005	0.0006	0.006	No	24	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-30	0.005	0.0009	0.006	No	26	61.54	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-31	0.005	0.00036	0.006	No	13	53.85	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-32	0.007046	0.002414	0.006	No	15	6.667	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-34D	0.000942	0.0004985	0.006	No	13	15.38	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-35D	0.002922	0.001013	0.006	No	13	7.692	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-36D	0.005	0.00049	0.006	No	13	53.85	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-37D	0.001394	0.0006629	0.006	No	10	30	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-38D	0.005261	0.001522	0.006	No	11	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-39	0.005	0.00061	0.006	No	11	72.73	None	No	0.006	NP (NDs)
Cobalt (mg/L)	BGWC-40	0.00061	0.00044	0.006	No	10	10	None	No	0.011	NP (normality)
Cobalt (mg/L)	BGWC-41D	0.005	0.0004	0.006	No	8	25	None	No	0.004	NP (normality)
Cobalt (mg/L)	BGWC-43D	0.005258	0.002231	0.006	No	9	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-49D	0.001025	0.0006887	0.006	No	6	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-50D	0.001526	0.0002969	0.006	No	6	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-52	0.004684	0.001331	0.006	No	8	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-7	0.00091	0.00068	0.006	No	24	16.67	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-8	0.005	0.0012	0.006	No	24	83.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-9	0.005	0.0006	0.006	No	23	86.96	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	BGWA-6	0.7328	0.363	5	No	21	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-10	1.443	0.9998	5	No	24	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-12	0.7317	0.3704	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-14A	1.266	0.5777	5	No	15	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-16	1.201	0.7474	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-17	0.8536	0.4929	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-18	1.066	0.6233	5	No	24	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-19	1.14	0.7054	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-20	1.372	0.8581	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-21	0.8173	0.4928	5	No	23	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-22	2.83	2.006	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-23	1.798	1.091	5	No	24	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	BGWC-24	3.292	1.863	5	No	24	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-25	0.9271	0.5479	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-30	2.065	1.163	5	No	23	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-31	1.781	1.113	5	No	13	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-32	2.031	1.227	5	No	13	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-34D	2.803	1.817	5	No	13	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-35D	3.037	2.05	5	No	13	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-36D	2.188	1.265	5	No	13	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-37D	3.178	2.298	5	No	10	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-38D	5.425	3.303	5	No	10	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-39	1.493	0.618	5	No	10	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-40	1.004	0.4066	5	No	10	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-41D	1.897	0.8913	5	No	8	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-42D	1.212	0.4597	5	No	8	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-43D	1.903	1.209	5	No	8	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-44D	1.296	0.5693	5	No	8	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-49D	3.528	1.612	5	No	6	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-50D	1.518	0.6351	5	No	6	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-51	0.7534	0.3871	5	No	8	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-52	1.444	0.384	5	No	8	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-7	1.651	1.237	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-8	0.7961	0.4237	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-9	0.9667	0.4948	5	No	23	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BGWA-6	0.1	0.066	4	No	22	63.64	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-10	0.1047	0.05525	4	No	25	36	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-12	0.12	0.08	4	No	25	40	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-14A	0.1	0.061	4	No	15	53.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-16	0.1415	0.06299	4	No	25	24	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-17	0.18	0.11	4	No	25	4	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-18	0.14	0.06	4	No	25	32	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-19	0.11	0.071	4	No	25	32	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-20	0.1	0.064	4	No	25	44	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-21	0.1	0.08	4	No	24	58.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-22	0.34	0.23	4	No	28	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-23	0.1	0.068	4	No	27	22.22	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-24	1	0.095	4	No	28	7.143	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-25	0.08852	0.0545	4	No	25	48	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-30	0.32	0.075	4	No	27	18.52	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-32	0.65	0.13	4	No	15	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-34D	0.1	0.052	4	No	13	69.23	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-35D	0.26	0.11	4	No	13	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-36D	0.26	0.11	4	No	13	7.692	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-37D	0.3991	0.1489	4	No	10	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-38D	0.6046	0.2645	4	No	11	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-39	0.1363	0.0699	4	No	11	9.091	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-40	0.09687	0.06469	4	No	11	27.27	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-41D	0.1012	0.07673	4	No	9	22.22	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-42D	0.6603	0.4457	4	No	10	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-43D	1.089	0.8565	4	No	11	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-44D	0.28	0.088	4	No	9	44.44	None	No	0.002	NP (normality)
Fluoride (mg/L)	BGWC-49D	0.09121	0.05607	4	No	6	50	Kaplan-Meier	x^4	0.01	Param.
Fluoride (mg/L)	BGWC-50D	0.1543	0.06469	4	No	6	16.67	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-51	0.1632	0.09452	4	No	8	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-52	0.1329	0.08308	4	No	8	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-7	0.1772	0.1257	4	No	25	4	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-8	0.1	0.064	4	No	25	56	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-9	0.1926	0.09982	4	No	24	0	None	ln(x)	0.01	Param.
Lead (mg/L)	BGWA-6	0.001	0.00016	0.015	No	20	80	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-10	0.001	0.00019	0.015	No	22	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-12	0.001	0.0002	0.015	No	22	63.64	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-14A	0.001	0.000073	0.015	No	15	73.33	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-16	0.001	0.0002	0.015	No	22	59.09	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-17	0.001	0.000079	0.015	No	22	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-18	0.001	0.0001	0.015	No	22	68.18	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-19	0.001	0.0006	0.015	No	22	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-20	0.001	0.0001	0.015	No	22	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-21	0.001	0.000073	0.015	No	21	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-22	0.001	0.00033	0.015	No	22	72.73	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	BGWC-23	0.001	0.00031	0.015	No	22	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-24	0.001	0.00059	0.015	No	23	73.91	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-25	0.001	0.0004	0.015	No	22	63.64	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-30	0.001	0.00017	0.015	No	22	50	None	No	0.01	NP (normality)
Lead (mg/L)	BGWC-31	0.0007069	0.0002185	0.015	No	12	33.33	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-32	0.001	0.00011	0.015	No	12	83.33	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-34D	0.001	0.000054	0.015	No	12	91.67	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-35D	0.001	0.00011	0.015	No	12	50	None	No	0.01	NP (normality)
Lead (mg/L)	BGWC-36D	0.001	0.00014	0.015	No	12	50	None	No	0.01	NP (normality)
Lead (mg/L)	BGWC-37D	0.001	0.000082	0.015	No	10	50	None	No	0.011	NP (normality)
Lead (mg/L)	BGWC-38D	0.001	0.00016	0.015	No	10	60	None	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-39	0.001	0.001	0.015	No	10	90	None	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-40	0.001	0.00014	0.015	No	10	50	None	No	0.011	NP (normality)
Lead (mg/L)	BGWC-41D	0.001	0.000036	0.015	No	8	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-42D	0.001	0.000041	0.015	No	8	75	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-43D	0.001	0.00012	0.015	No	8	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-44D	0.001	0.00017	0.015	No	8	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-49D	0.001	0.000044	0.015	No	6	83.33	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-50D	0.001	0.00014	0.015	No	6	83.33	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-51	0.001	0.00015	0.015	No	8	62.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-52	0.001	0.000054	0.015	No	8	62.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-8	0.001	0.0003	0.015	No	22	81.82	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-9	0.001	0.000092	0.015	No	21	57.14	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWA-6	0.03	0.00082	0.04	No	21	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-10	0.03	0.00093	0.04	No	24	33.33	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-12	0.03	0.0011	0.04	No	24	45.83	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-14A	0.03	0.00087	0.04	No	15	46.67	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-16	0.03	0.00049	0.04	No	24	95.83	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-17	0.03	0.00069	0.04	No	24	95.83	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-20	0.03145	0.01925	0.04	No	24	0	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	BGWC-22	0.02825	0.01845	0.04	No	24	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-23	0.02554	0.01471	0.04	No	24	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-24	0.0082	0.0058	0.04	No	25	12	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-30	0.0171	0.0012	0.04	No	24	4.167	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-34D	0.03	0.00098	0.04	No	13	84.62	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-35D	0.01824	0.01069	0.04	No	13	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-36D	0.0044	0.0011	0.04	No	13	7.692	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-37D	0.02198	0.002361	0.04	No	9	0	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	BGWC-38D	0.01617	0.005709	0.04	No	10	10	None	No	0.01	Param.
Lithium (mg/L)	BGWC-39	0.005042	0.003083	0.04	No	10	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-40	0.03	0.00079	0.04	No	9	55.56	None	No	0.002	NP (NDs)
Lithium (mg/L)	BGWC-41D	0.015	0.00092	0.04	No	8	12.5	None	No	0.004	NP (normality)
Lithium (mg/L)	BGWC-42D	0.03	0.0012	0.04	No	7	28.57	None	No	0.008	NP (normality)
Lithium (mg/L)	BGWC-43D	0.02884	0.01966	0.04	No	8	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-44D	0.004967	0.002108	0.04	No	8	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-49D	0.009853	0.004247	0.04	No	6	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-50D	0.03	0.0015	0.04	No	6	66.67	None	No	0.0155	NP (NDs)
Lithium (mg/L)	BGWC-51	0.03	0.0011	0.04	No	8	50	None	No	0.004	NP (normality)
Lithium (mg/L)	BGWC-52	0.007723	0.0009753	0.04	No	8	12.5	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	BGWC-7	0.00928	0.007502	0.04	No	24	4.167	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-8	0.03	0.001	0.04	No	24	95.83	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-9	0.03	0.0013	0.04	No	23	30.43	None	No	0.01	NP (normality)
Mercury (mg/L)	BGWA-6	0.0002	0.000084	0.002	No	20	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-10	0.0002	0.00018	0.002	No	22	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-12	0.0002	0.00013	0.002	No	22	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-14A	0.0002	0.00016	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-16	0.0002	0.00015	0.002	No	22	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-17	0.0002329	0.0001491	0.002	No	22	18.18	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	BGWC-18	0.0002	0.000079	0.002	No	22	95.45	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-19	0.0002	0.00018	0.002	No	22	86.36	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-20	0.0002	0.000066	0.002	No	22	95.45	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-21	0.00021	0.0002	0.002	No	21	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-22	0.0002	0.000092	0.002	No	22	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-23	0.0002	0.00013	0.002	No	22	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-24	0.0009712	0.0001515	0.002	No	23	17.39	Kaplan-Meier	x^(1/3)	0.01	Param.
Mercury (mg/L)	BGWC-25	0.0002	0.00015	0.002	No	22	90.91	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-30	0.0002	0.000091	0.002	No	22	63.64	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-31	0.0002	0.00015	0.002	No	12	83.33	Kaplan-Meier	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	BGWC-34D	0.0002	0.00016	0.002	No	12	83.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-35D	0.0002	0.00016	0.002	No	12	83.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-36D	0.0002	0.00018	0.002	No	12	83.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-38D	0.00028	0.00012	0.002	No	10	60	None	No	0.011	NP (NDs)
Mercury (mg/L)	BGWC-41D	0.0002	0.00018	0.002	No	8	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	BGWC-43D	0.0002	0.00015	0.002	No	8	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	BGWC-44D	0.0002	0.00017	0.002	No	8	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	BGWC-51	0.003181	0.00007545	0.002	No	8	12.5	None	sqrt(x)	0.01	Param.
Mercury (mg/L)	BGWC-52	0.0002	0.00018	0.002	No	8	75	None	No	0.004	NP (NDs)
Mercury (mg/L)	BGWC-7	0.0002	0.000053	0.002	No	22	95.45	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-8	0.0002	0.00016	0.002	No	22	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-9	0.0002	0.00016	0.002	No	21	85.71	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWA-6	0.01	0.001	0.1	No	21	90.48	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-10	0.0036	0.003	0.1	No	24	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-14A	0.01	0.0012	0.1	No	15	20	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-19	0.01	0.00023	0.1	No	24	95.83	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-20	0.025	0.0127	0.1	No	24	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-21	0.002577	0.001637	0.1	No	23	21.74	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-22	0.0662	0.04	0.1	No	27	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-23	0.01252	0.01063	0.1	No	26	0	None	x^2	0.01	Param.
Molybdenum (mg/L)	BGWC-24	0.01	0.0024	0.1	No	27	51.85	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-25	0.01	0.0029	0.1	No	24	66.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-30	0.01181	0.005365	0.1	No	26	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-31	0.01	0.00033	0.1	No	13	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-32	0.003959	0.003255	0.1	No	14	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-34D	0.0021	0.0009	0.1	No	13	7.692	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-35D	0.03616	0.02855	0.1	No	14	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-36D	0.013	0.00793	0.1	No	14	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-37D	0.02124	0.009609	0.1	No	11	0	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	BGWC-38D	0.1189	0.06562	0.1	No	12	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-39	0.007715	0.003365	0.1	No	10	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-40	0.01	0.0012	0.1	No	10	70	None	No	0.011	NP (NDs)
Molybdenum (mg/L)	BGWC-41D	0.01283	0.007197	0.1	No	9	11.11	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-42D	0.01727	0.005546	0.1	No	10	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2049	0.1387	0.1	Yes	11	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-44D	0.009165	0.001902	0.1	No	9	11.11	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-49D	0.007353	0.00458	0.1	No	6	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-50D	0.006079	0.001688	0.1	No	6	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-51	0.01	0.0027	0.1	No	8	87.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	BGWC-52	0.0087	0.0035	0.1	No	8	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	BGWC-7	0.0117	0.0096	0.1	No	24	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-8	0.002313	0.001134	0.1	No	24	29.17	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-9	0.003326	0.0027	0.1	No	23	0	None	No	0.01	Param.
Selenium (mg/L)	BGWA-6	0.005	0.0032	0.05	No	20	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-12	0.005	0.0004	0.05	No	22	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-14A	0.005	0.0014	0.05	No	15	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-16	0.005	0.0018	0.05	No	22	54.55	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-17	0.005	0.0022	0.05	No	22	81.82	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-18	0.005	0.0022	0.05	No	22	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-19	0.005	0.0013	0.05	No	22	86.36	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-20	0.005	0.0037	0.05	No	22	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-21	0.005	0.001	0.05	No	21	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-22	0.005	0.0026	0.05	No	22	77.27	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-23	0.0176	0.002	0.05	No	22	86.36	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-24	0.009372	0.003951	0.05	No	23	13.04	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-30	0.009585	0.005979	0.05	No	22	9.091	None	No	0.01	Param.
Selenium (mg/L)	BGWC-31	0.005	0.00008	0.05	No	12	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-32	0.005	0.00015	0.05	No	12	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-34D	0.005	0.0001	0.05	No	12	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-36D	0.01221	0.006504	0.05	No	12	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-38D	0.005	0.003	0.05	No	10	70	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-39	0.005	0.002	0.05	No	10	80	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-40	0.009785	0.004775	0.05	No	10	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-41D	0.005	0.0016	0.05	No	8	62.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	BGWC-42D	0.005	0.0022	0.05	No	8	75	None	No	0.004	NP (NDs)
Selenium (mg/L)	BGWC-43D	0.005	0.0028	0.05	No	8	87.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	BGWC-51	0.01356	0.004761	0.05	No	8	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-52	0.005	0.0016	0.05	No	8	62.5	None	No	0.004	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	BGWC-8	0.005	0.00015	0.05	No	22	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-9	0.005	0.0014	0.05	No	21	52.38	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWA-6	0.001	0.000062	0.002	No	21	52.38	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-12	0.001	0.00009	0.002	No	24	79.17	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-14A	0.0005	0.0002654	0.002	No	15	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-16	0.00024	0.0002	0.002	No	24	0	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-17	0.001	0.000085	0.002	No	24	58.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-18	0.001	0.00019	0.002	No	24	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-19	0.001	0.000085	0.002	No	24	70.83	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-20	0.001	0.00025	0.002	No	24	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-22	0.0008548	0.0006368	0.002	No	24	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-23	0.001	0.00038	0.002	No	24	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-24	0.0005485	0.0004091	0.002	No	25	12	None	No	0.01	Param.
Thallium (mg/L)	BGWC-30	0.001	0.00034	0.002	No	24	29.17	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-32	0.001	0.00013	0.002	No	13	38.46	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-34D	0.001	0.000089	0.002	No	13	92.31	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-35D	0.001	0.00016	0.002	No	13	69.23	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-36D	0.00037	0.00013	0.002	No	13	15.38	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-37D	0.001	0.001	0.002	No	10	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	BGWC-38D	0.001	0.00018	0.002	No	10	60	None	No	0.011	NP (NDs)
Thallium (mg/L)	BGWC-39	0.001	0.00017	0.002	No	10	40	None	No	0.011	NP (normality)
Thallium (mg/L)	BGWC-40	0.001	0.001	0.002	No	10	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	BGWC-43D	0.00304	0.001385	0.002	No	8	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-51	0.001	0.0002	0.002	No	8	75	None	No	0.004	NP (NDs)
Thallium (mg/L)	BGWC-52	0.001	0.0002	0.002	No	8	37.5	None	No	0.004	NP (normality)
Thallium (mg/L)	BGWC-7	0.001	0.00019	0.002	No	24	58.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-9	0.001	0.00022	0.002	No	23	78.26	None	No	0.01	NP (NDs)

Appendix IV Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/30/2023, 3:04 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	BGWC-22	0.003812	247	96	Yes	27	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-33 (bg)	-0.004019	-49	-34	Yes	13	0	n/a	n/a	0.05	NP

Appendix IV Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/30/2023, 3:04 PM

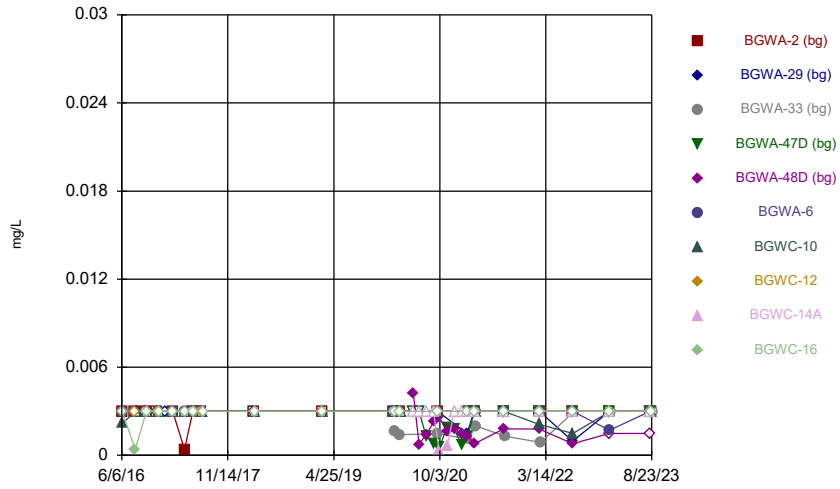
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	BGWA-2 (bg)	0	64	81	No	24	54.17	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	36	81	No	24	62.5	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-33 (bg)	0.000751	25	30	No	12	16.67	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	18	41	No	15	73.33	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-48D (bg)	0.0004358	26	41	No	15	46.67	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWC-34D	0	-5	-41	No	15	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	17	85	No	25	88	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-33 (bg)	0	-6	-30	No	12	75	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	12	41	No	15	93.33	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	15	41	No	15	86.67	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWC-22	0.003812	247	96	Yes	27	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-2 (bg)	0	46	85	No	25	52	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	-1	-81	No	24	95.83	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-33 (bg)	-0.004019	-49	-34	Yes	13	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	14	41	No	15	93.33	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.001014	-29	-41	No	15	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWC-43D	0.006134	5	27	No	11	0	n/a	n/a	0.05	NP

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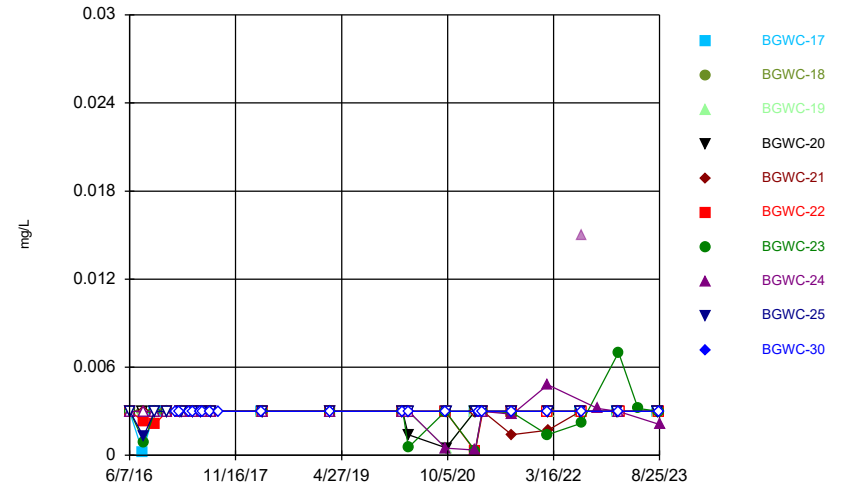
FIGURE A.

Time Series



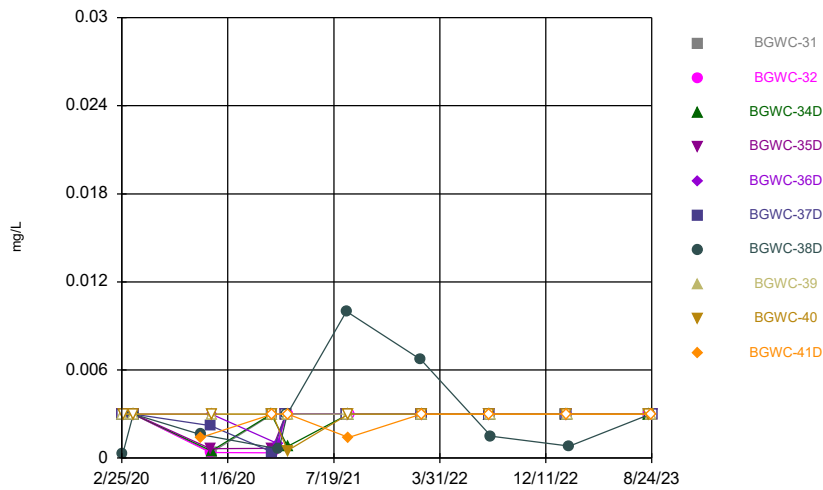
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



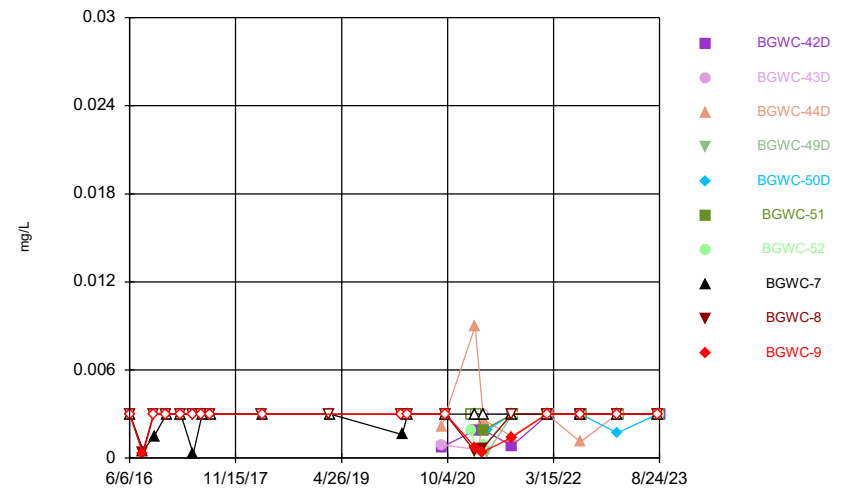
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



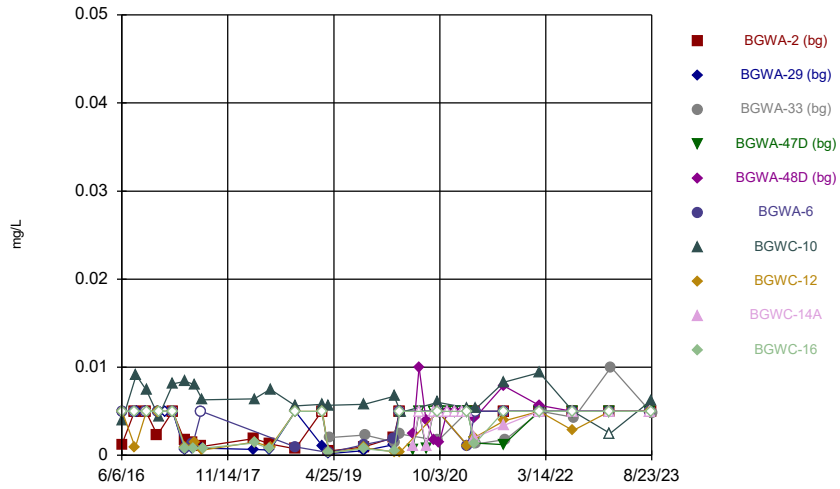
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



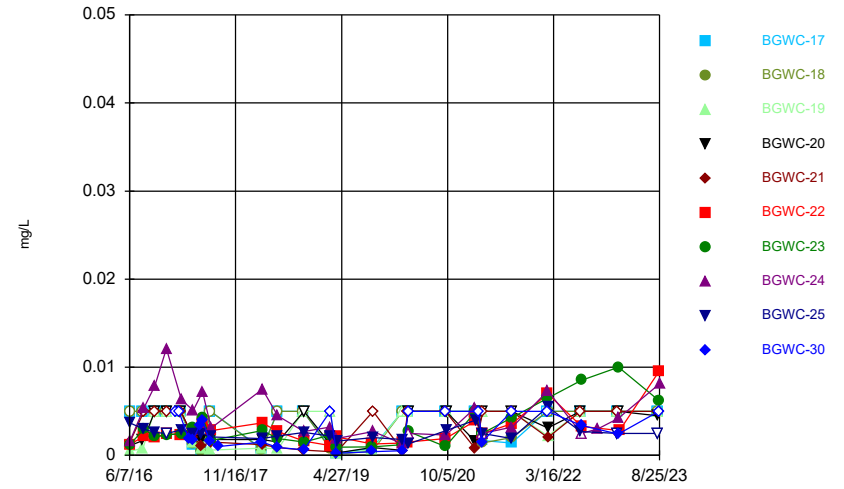
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



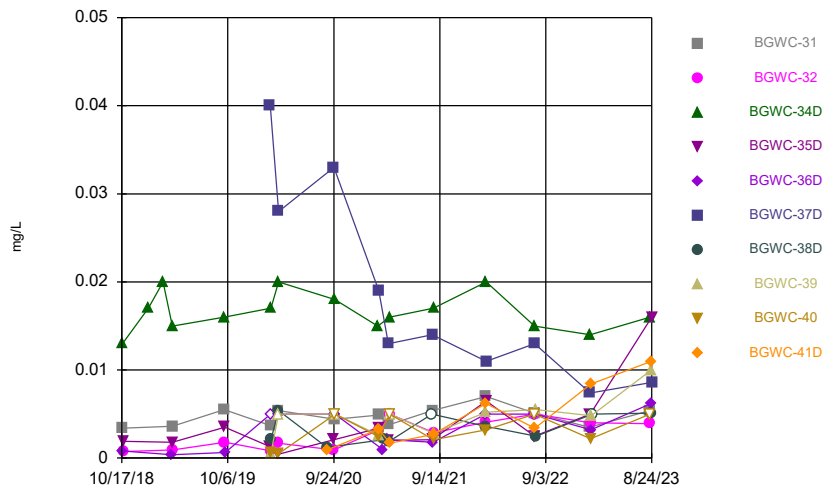
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



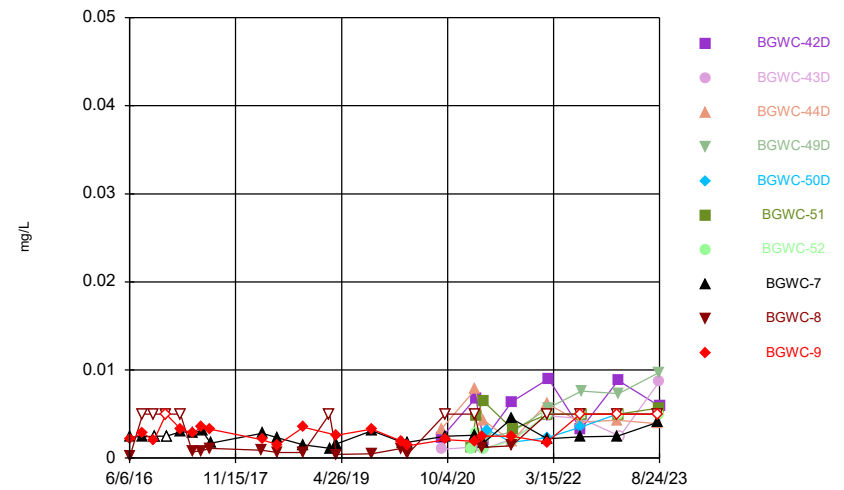
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



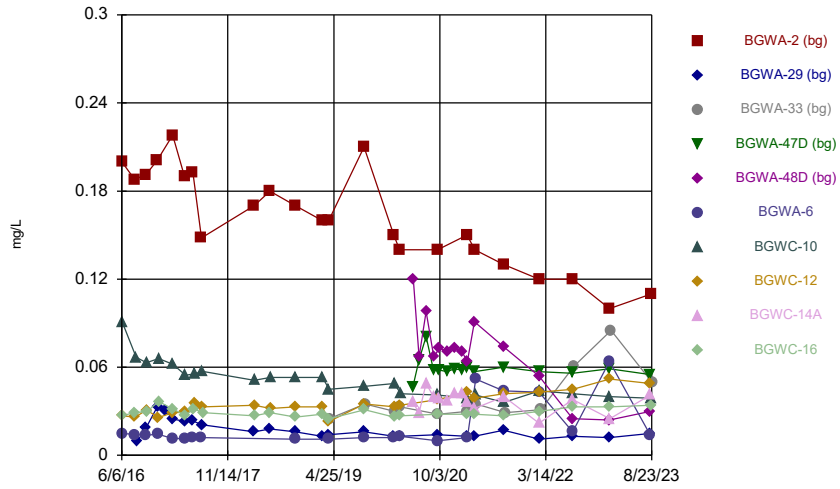
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Time Series



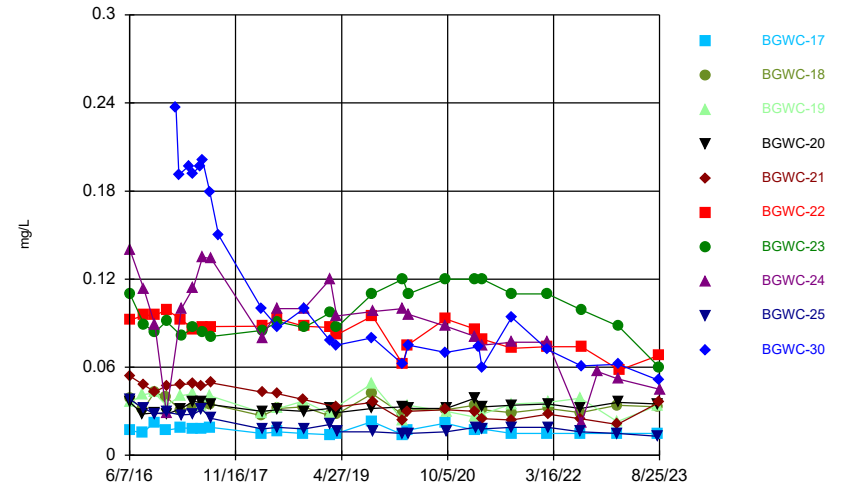
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Time Series



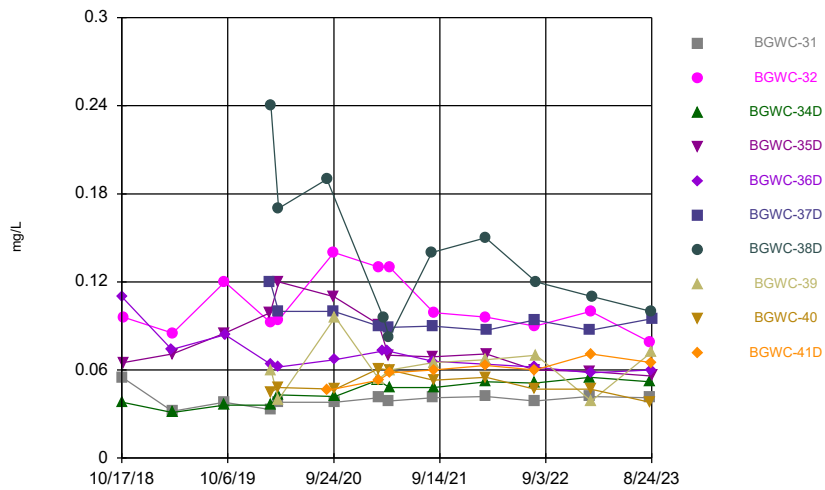
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Time Series



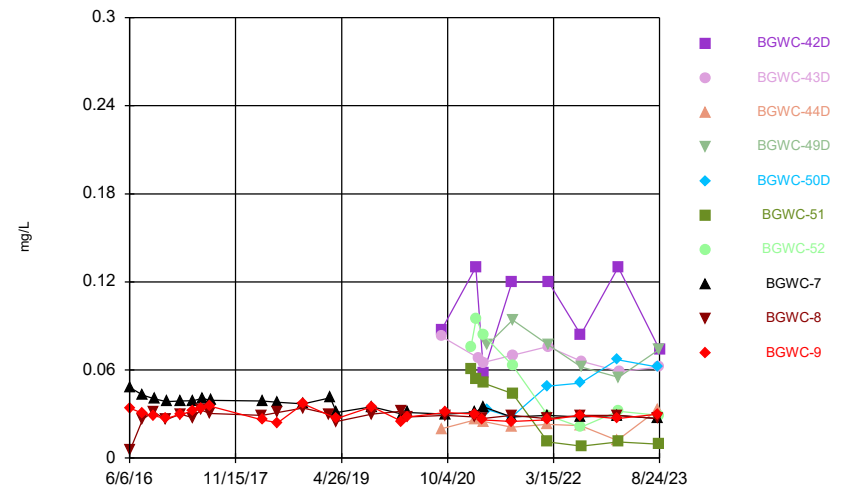
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



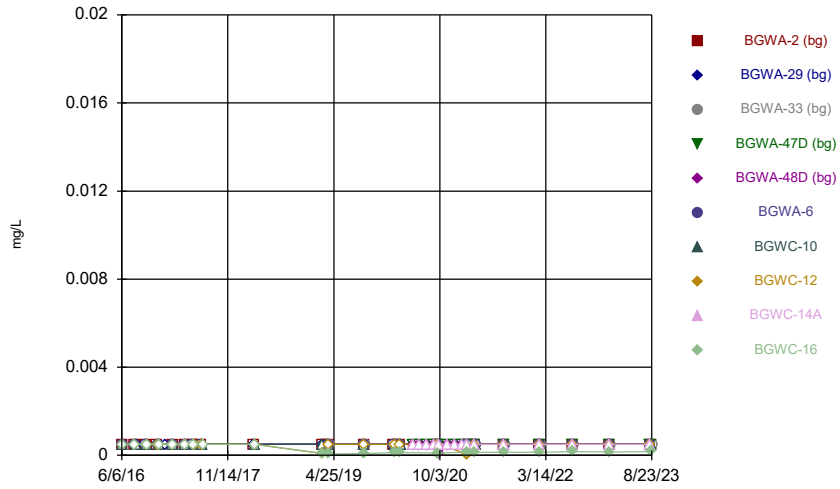
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Time Series



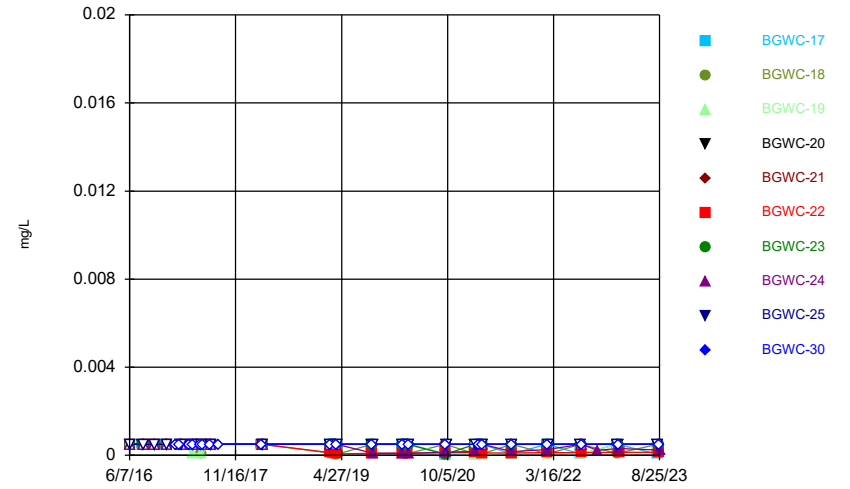
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



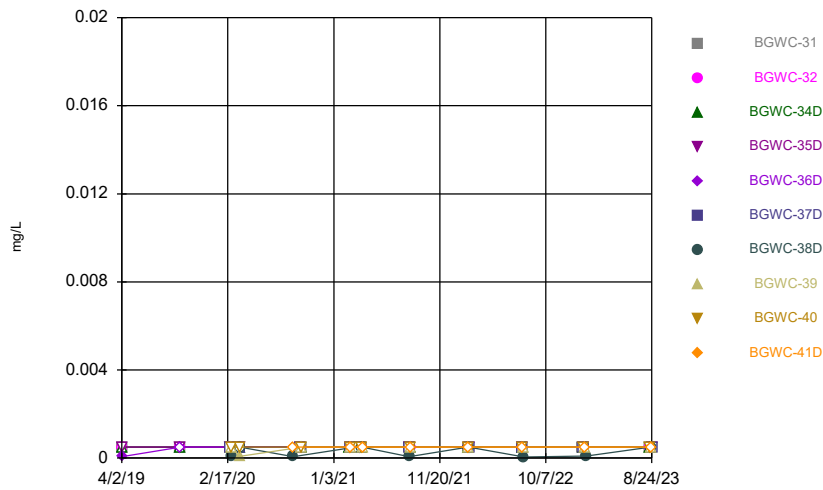
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



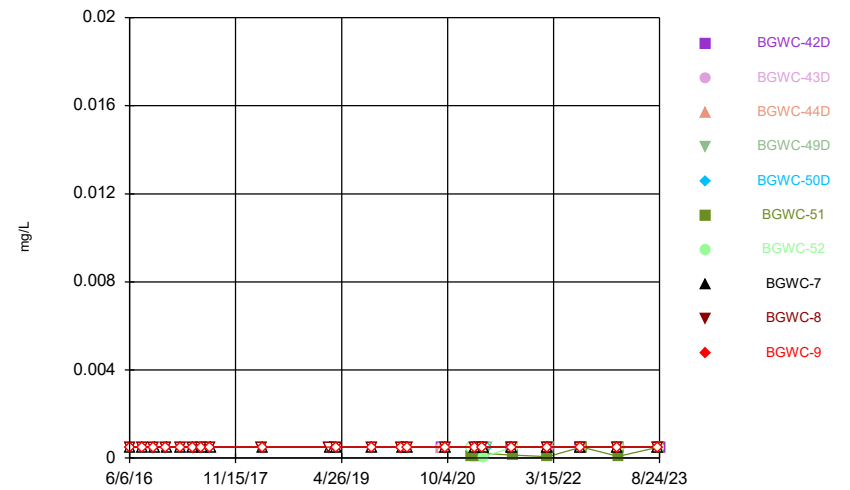
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Time Series



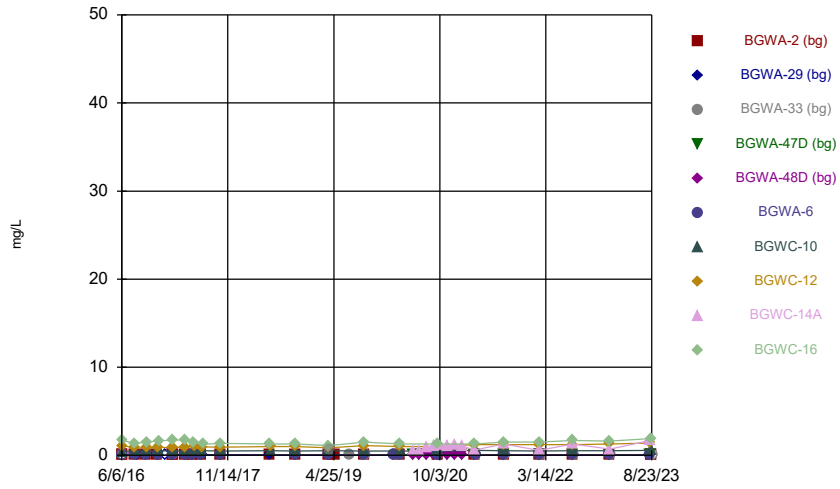
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Time Series



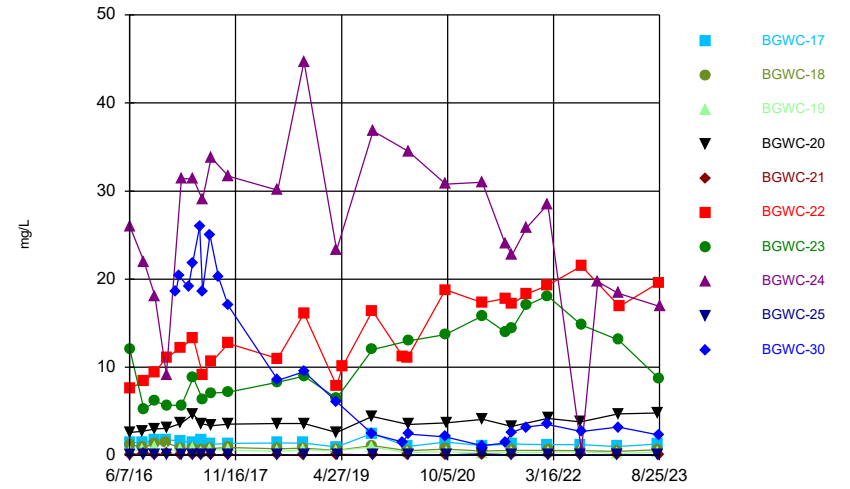
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Time Series



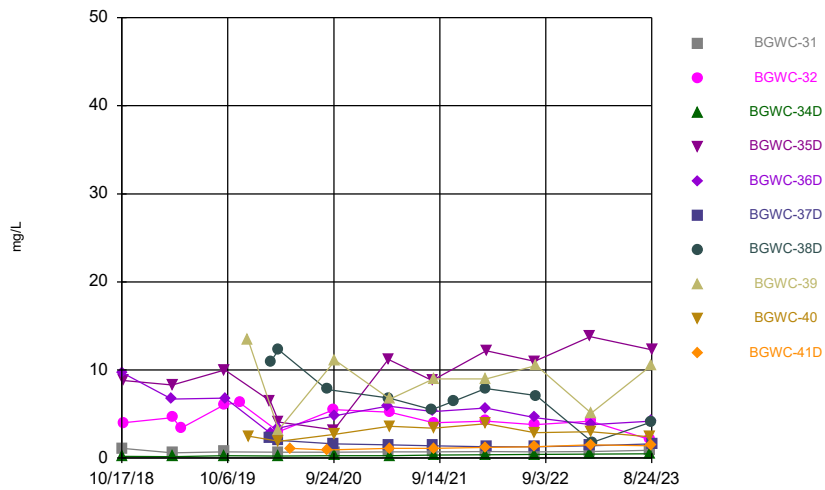
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Time Series



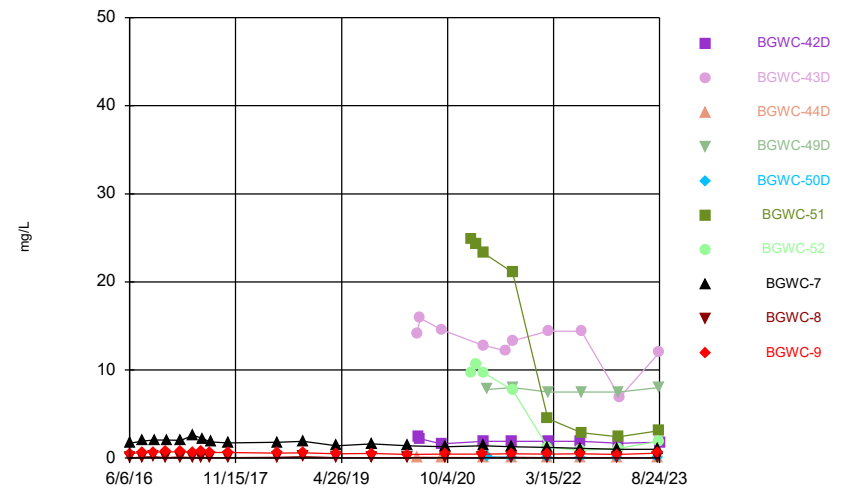
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Time Series



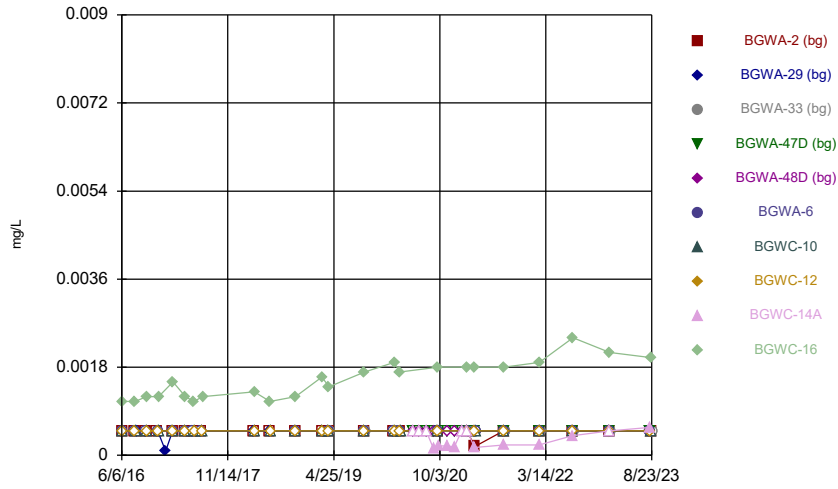
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Time Series



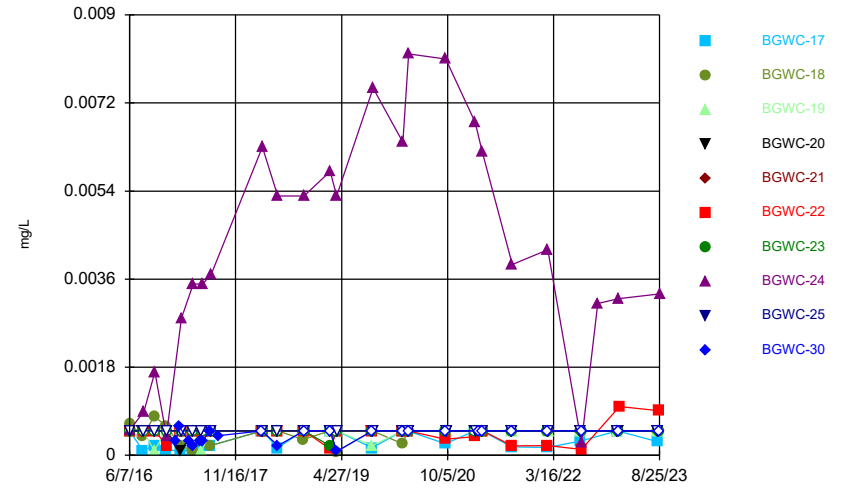
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



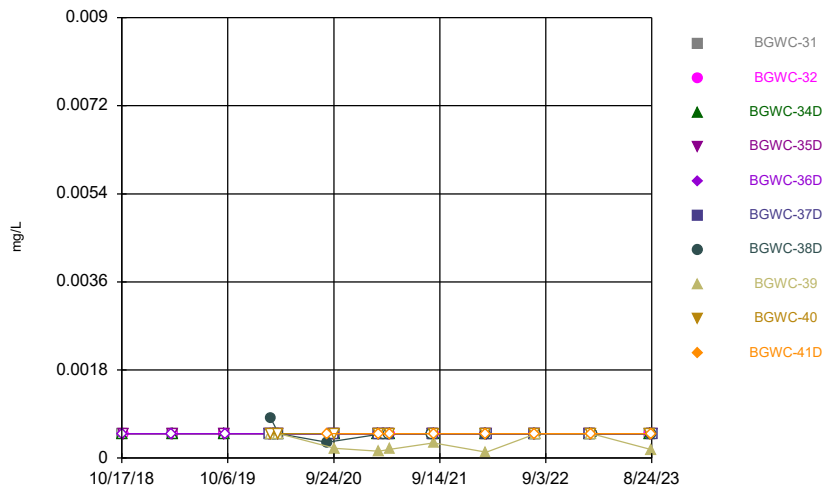
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Time Series



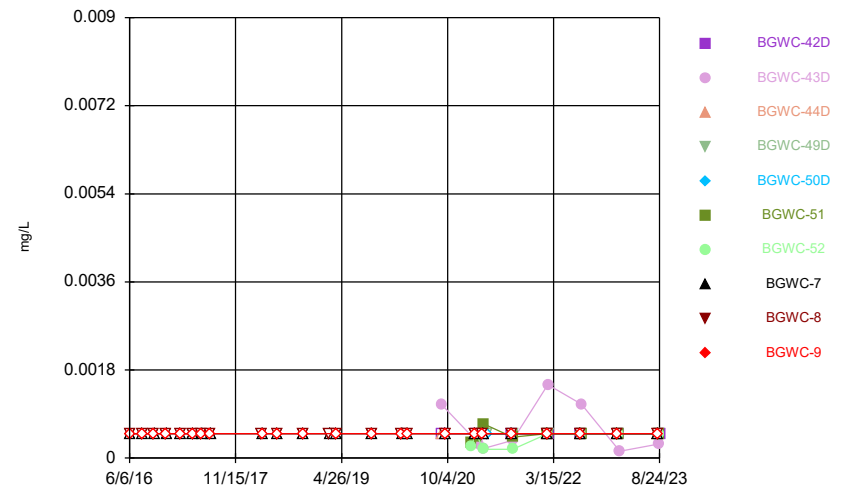
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



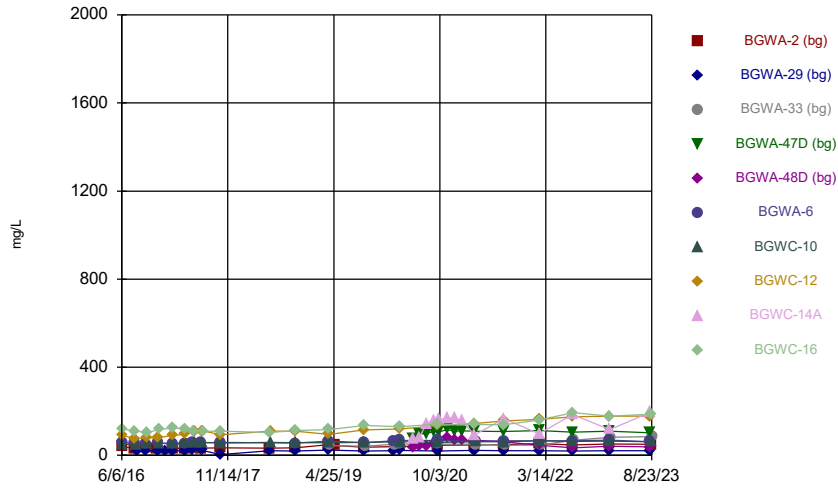
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



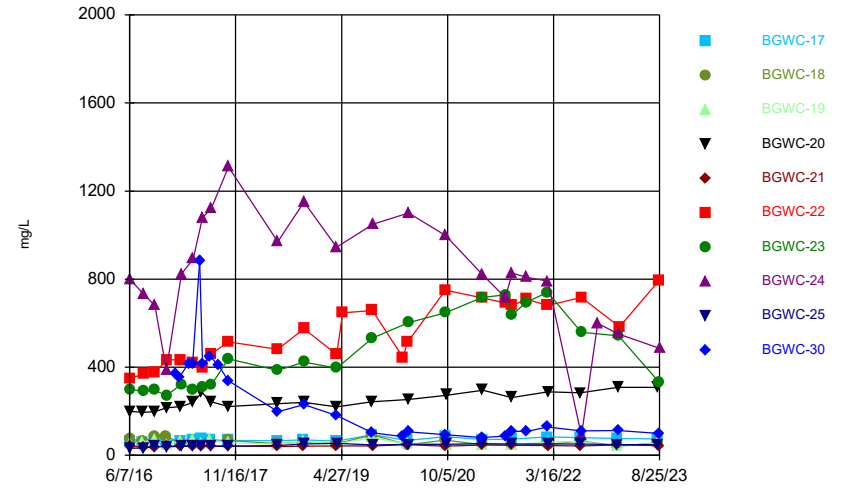
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



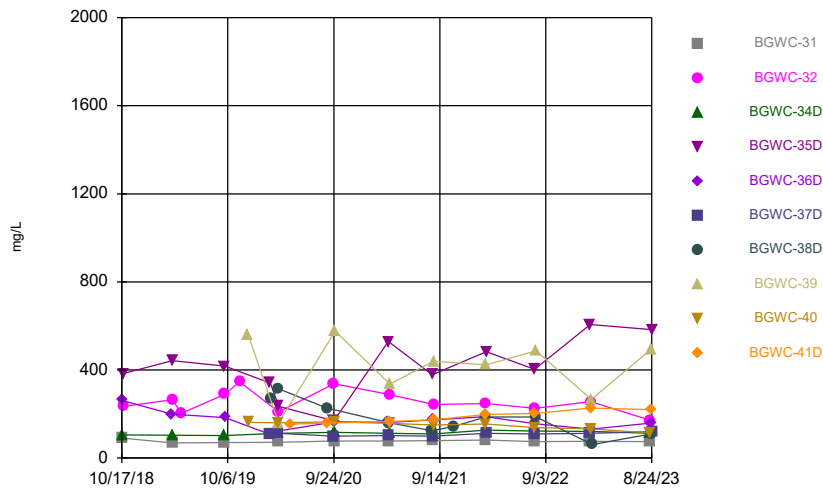
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



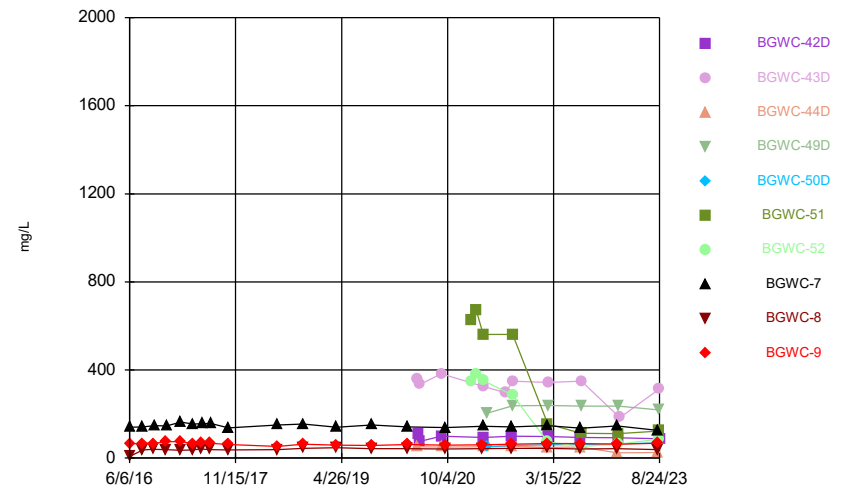
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



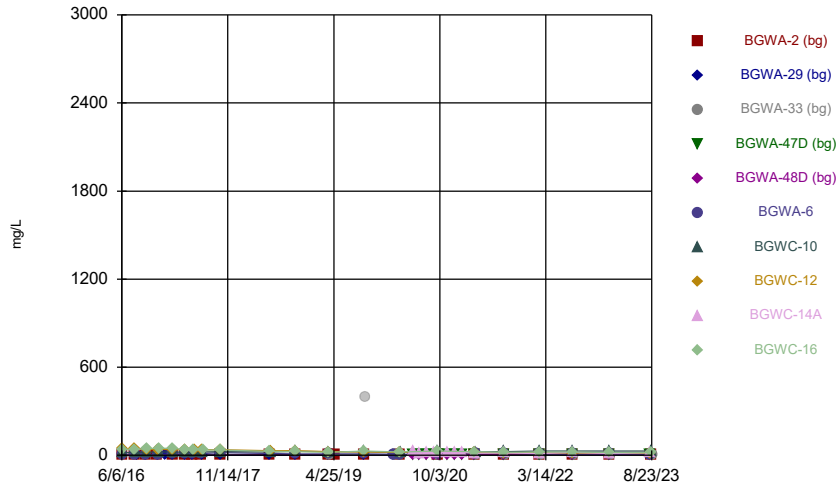
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



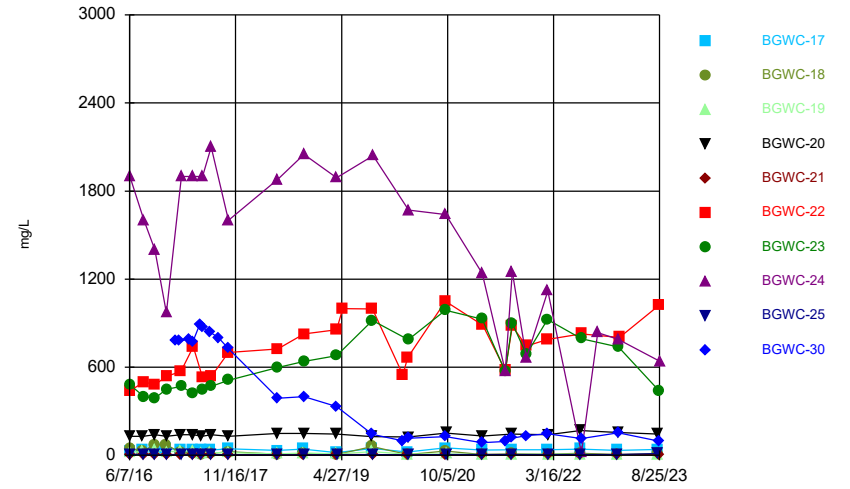
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



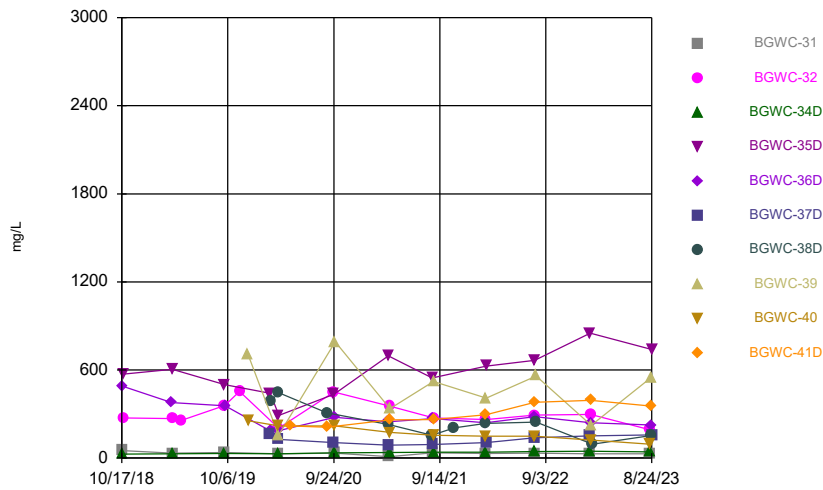
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



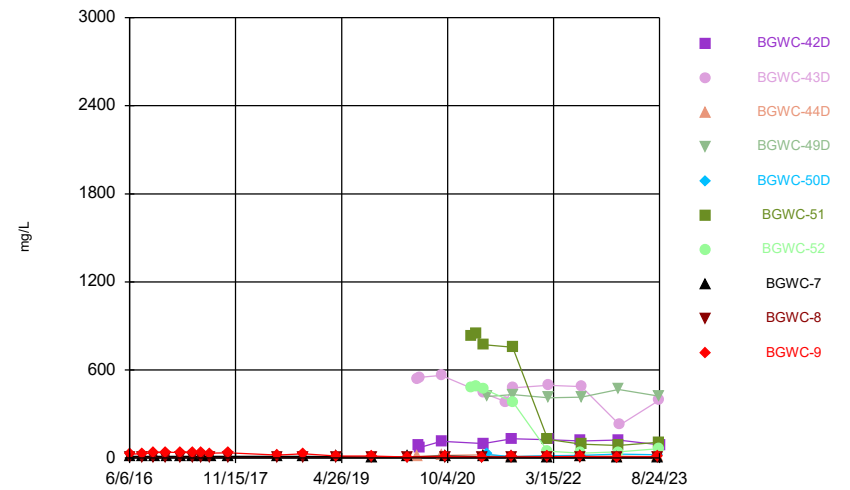
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Time Series



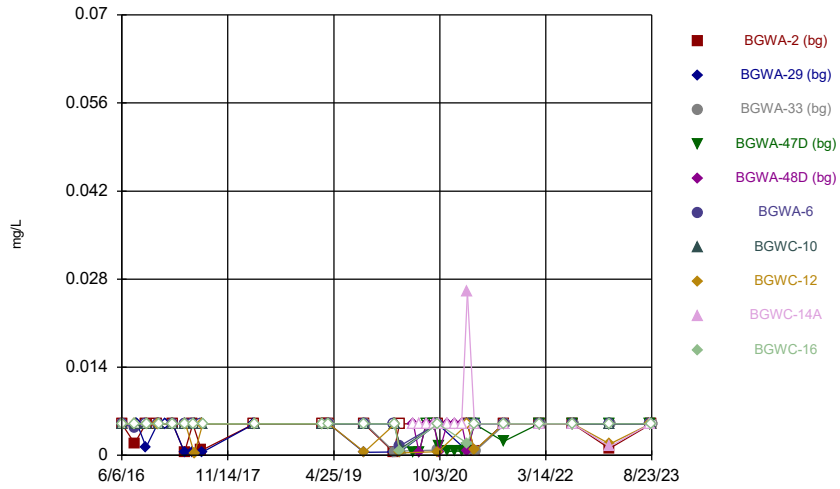
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



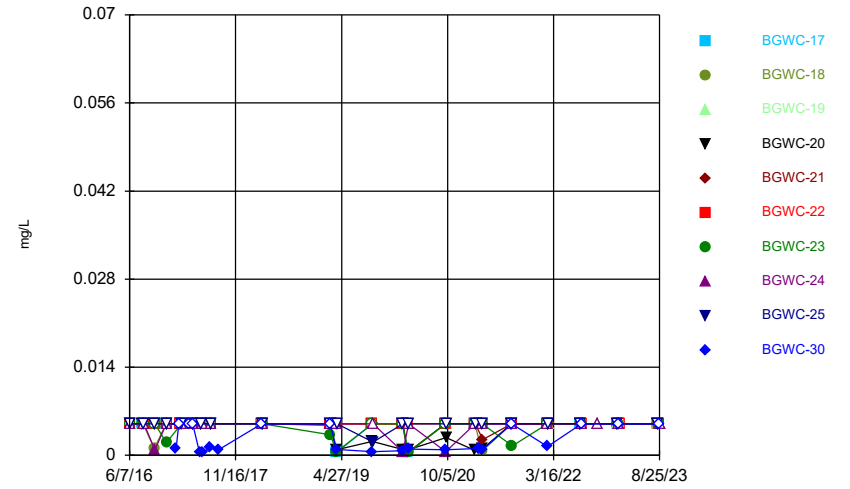
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



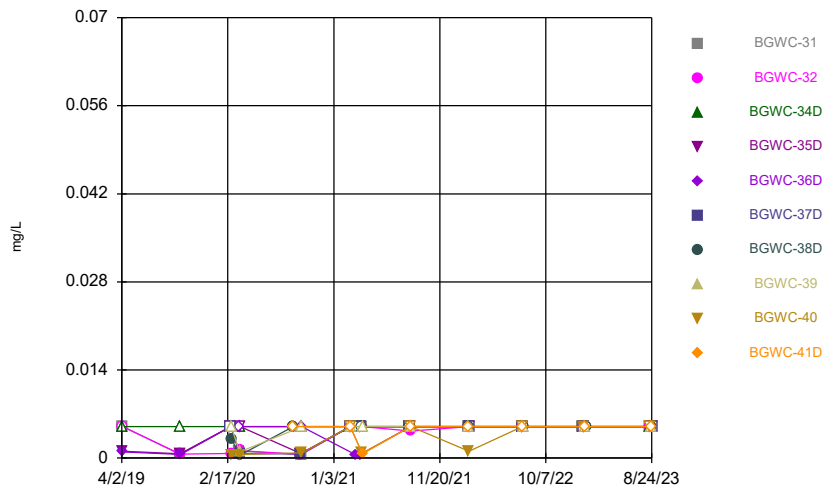
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



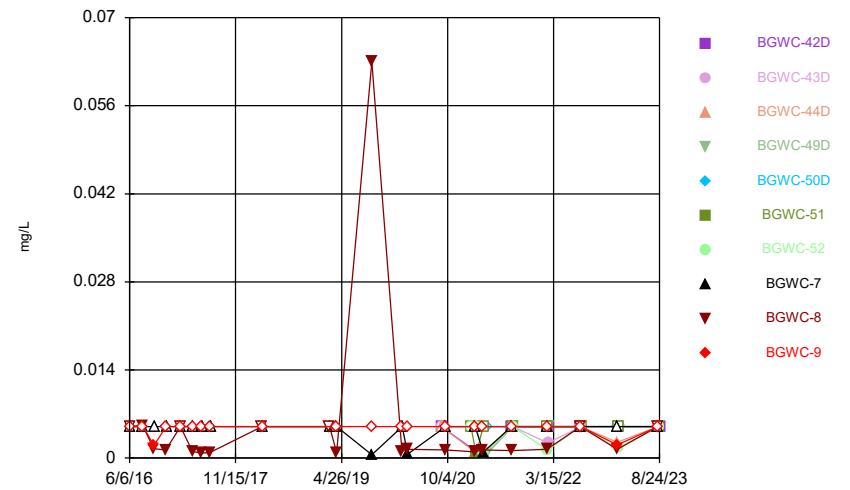
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Time Series



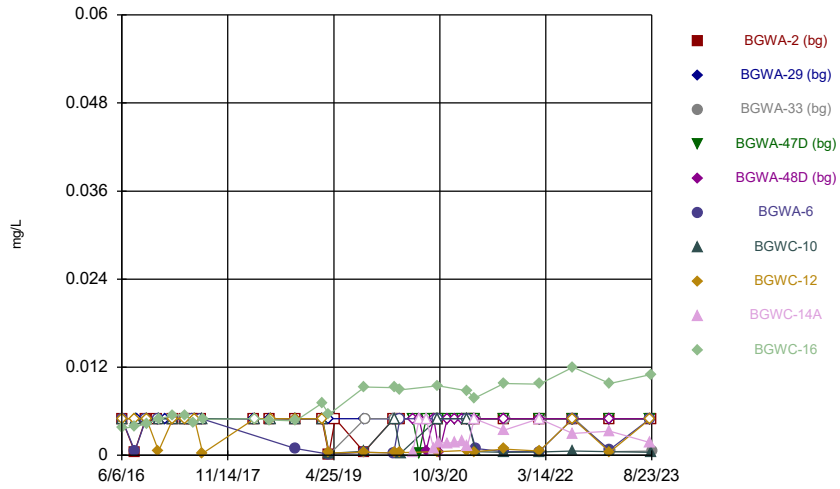
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Time Series



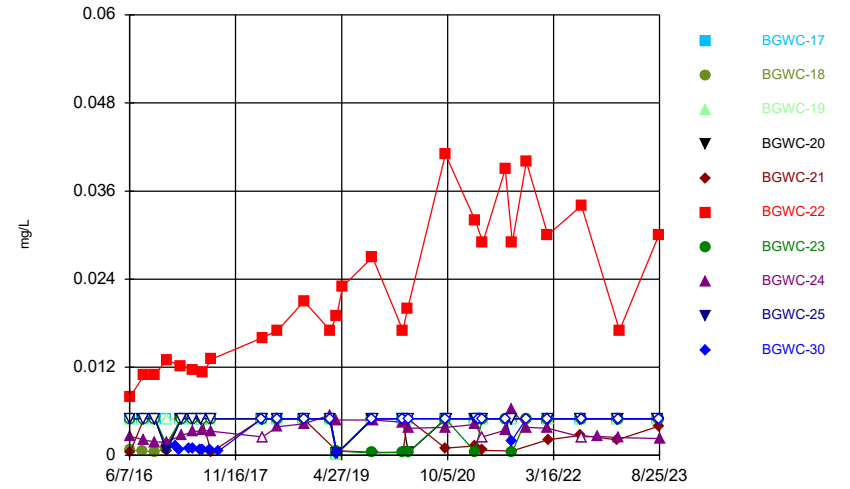
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Time Series



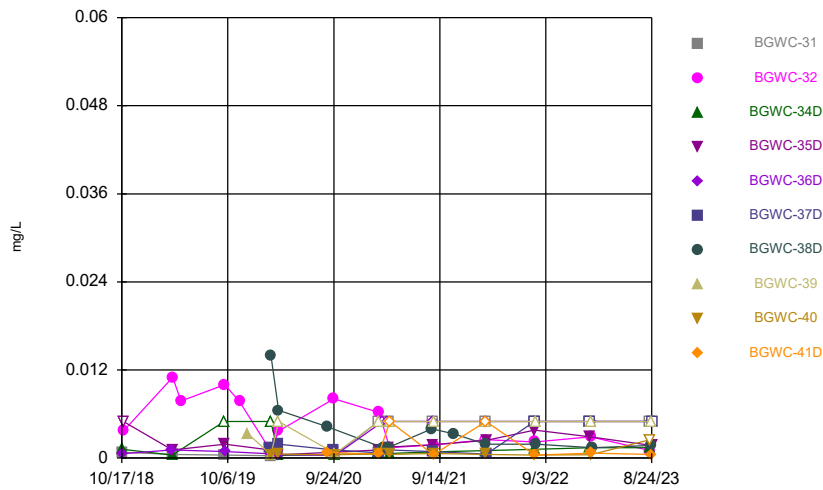
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Time Series



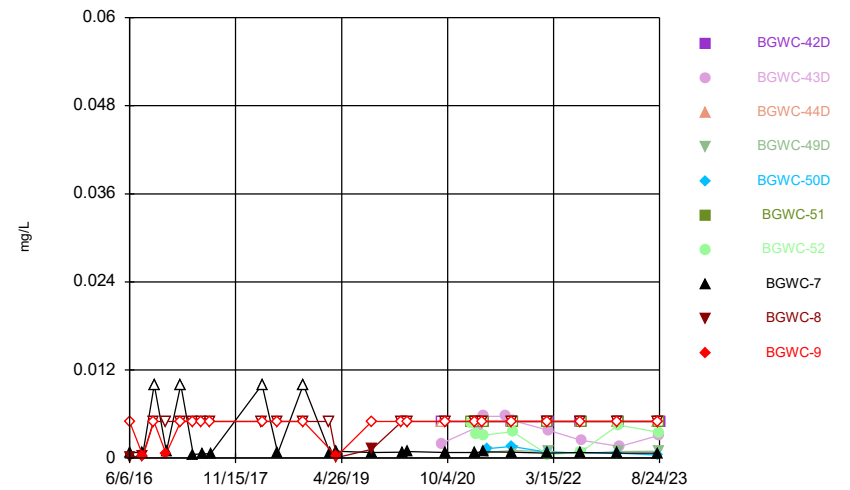
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Time Series



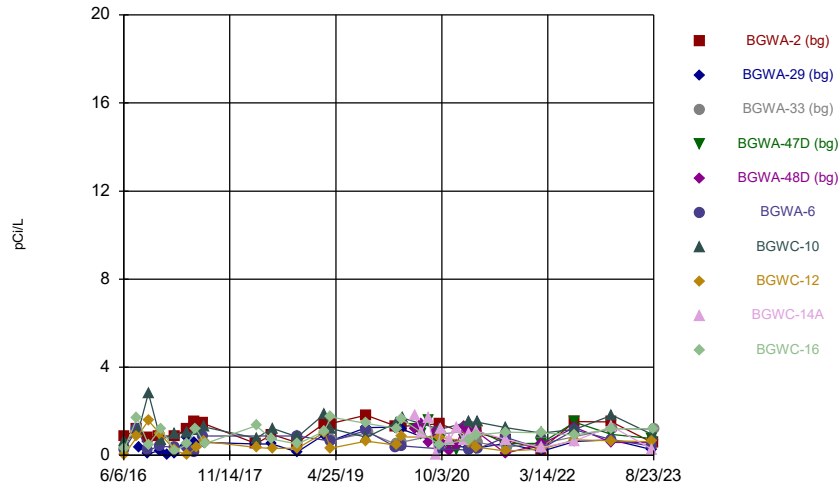
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Time Series



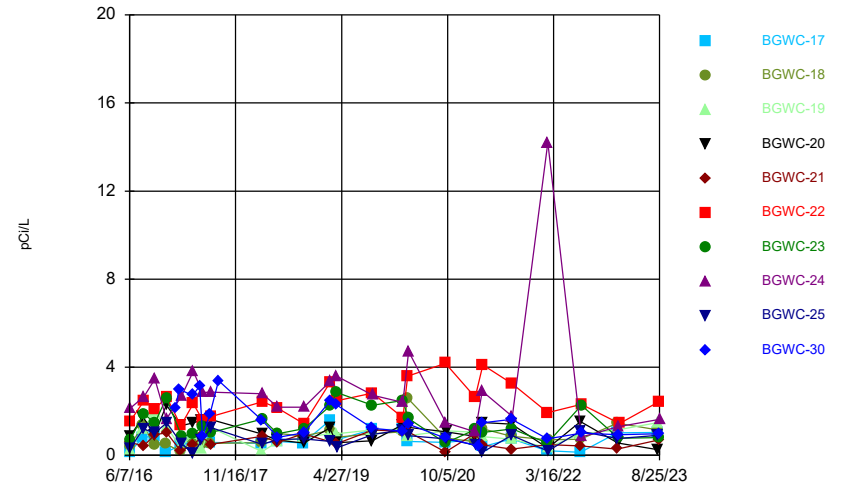
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Time Series



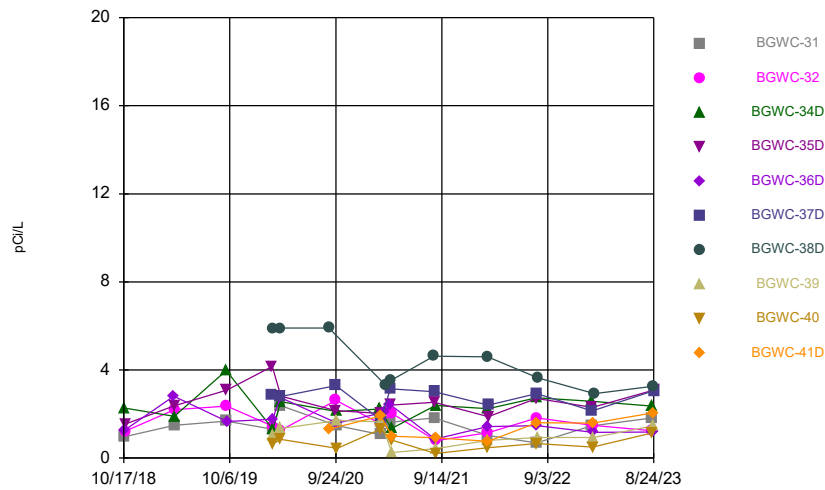
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Time Series



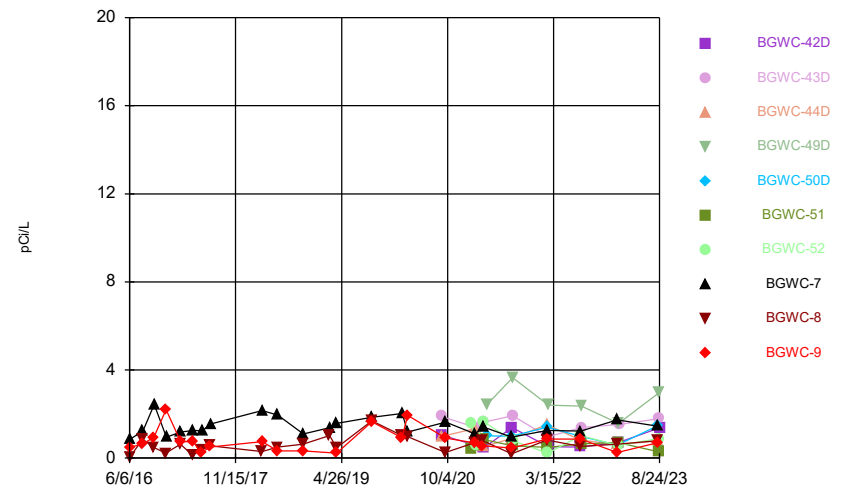
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Time Series



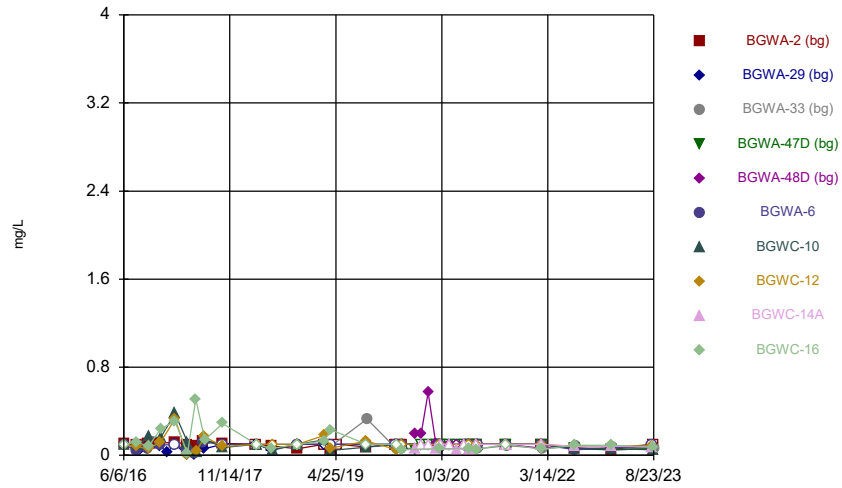
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Time Series



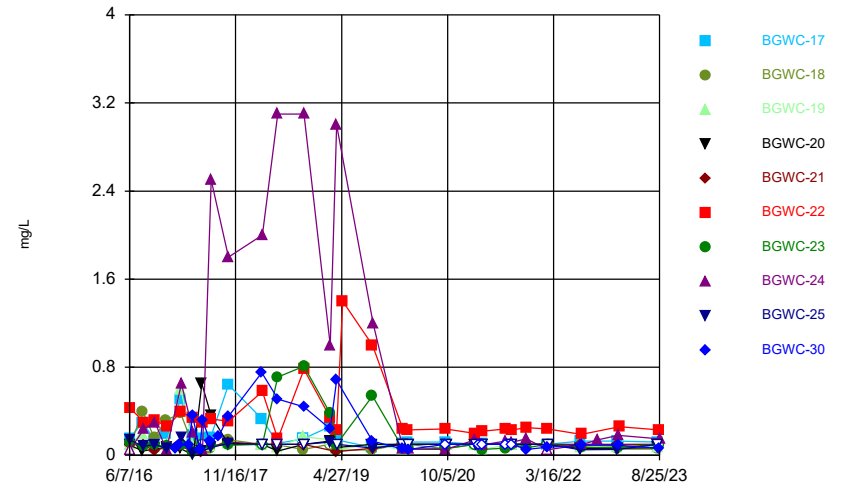
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Time Series



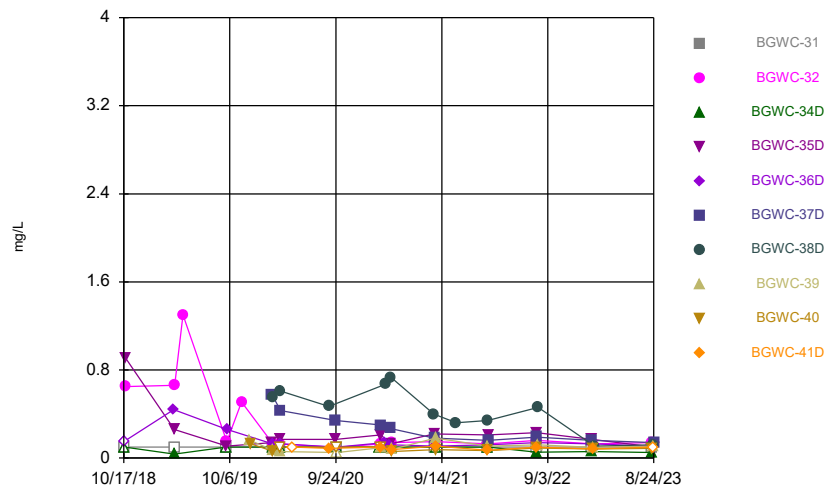
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Time Series



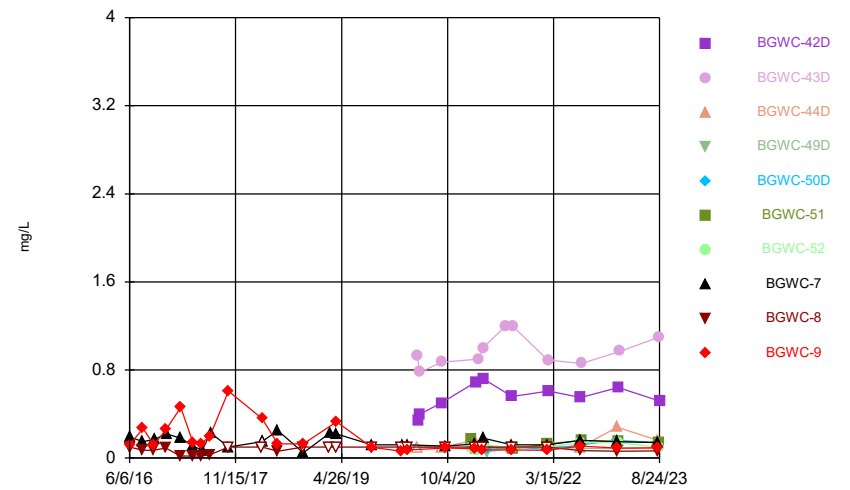
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Time Series



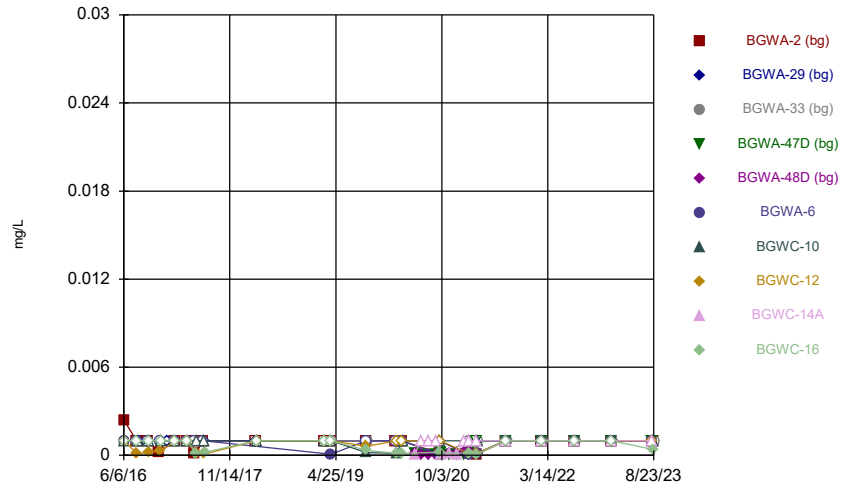
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Time Series



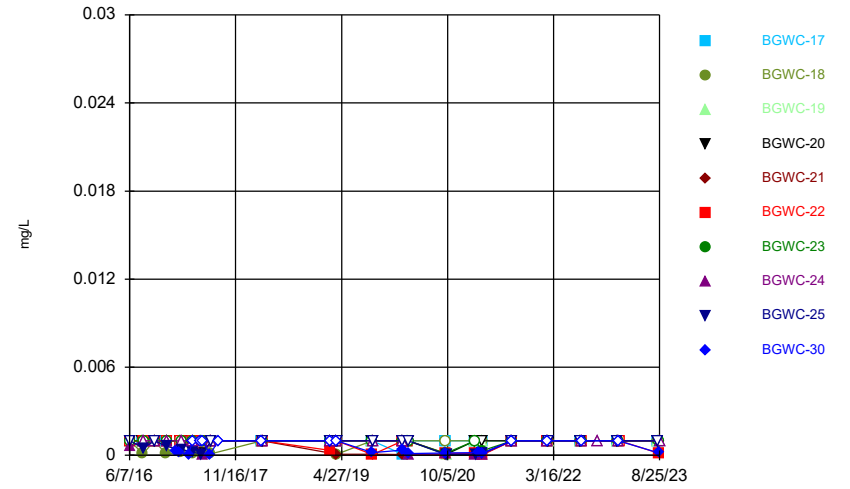
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Time Series



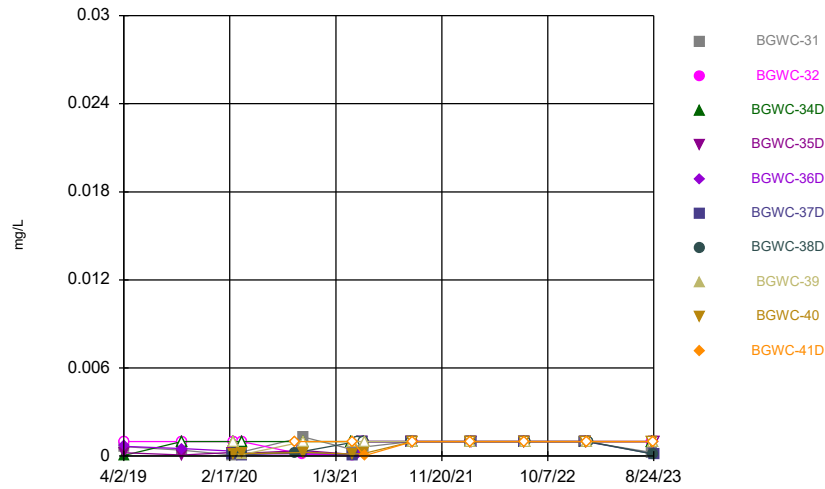
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



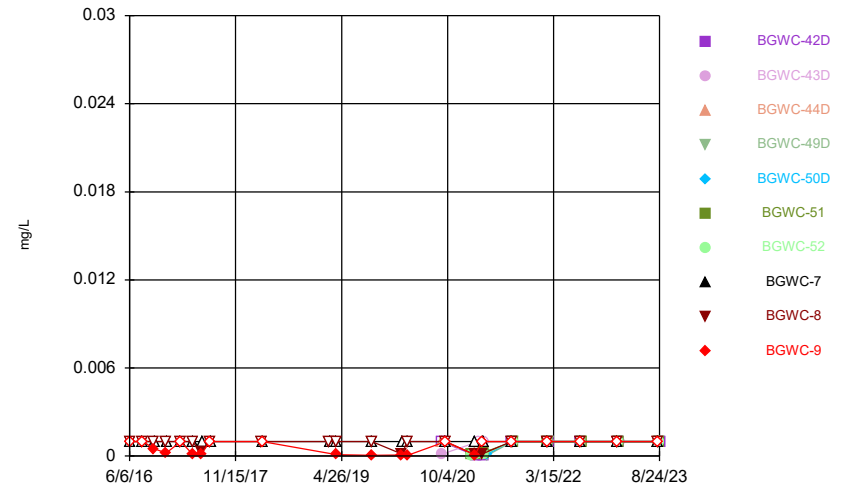
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Time Series



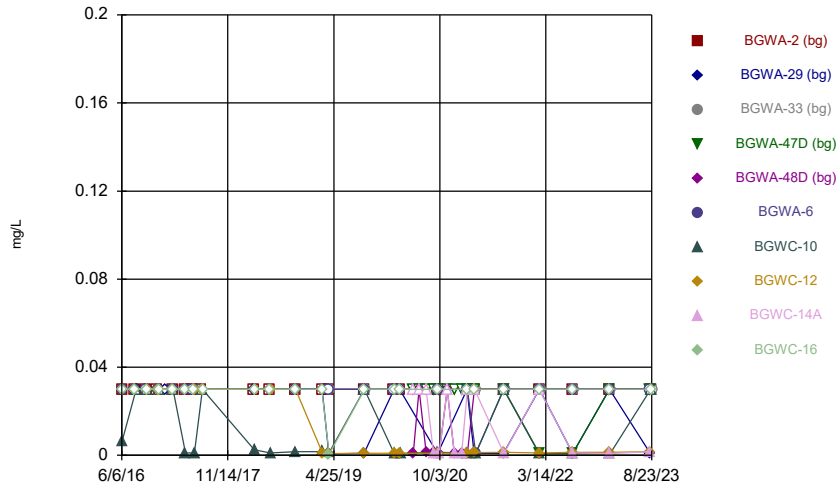
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Time Series



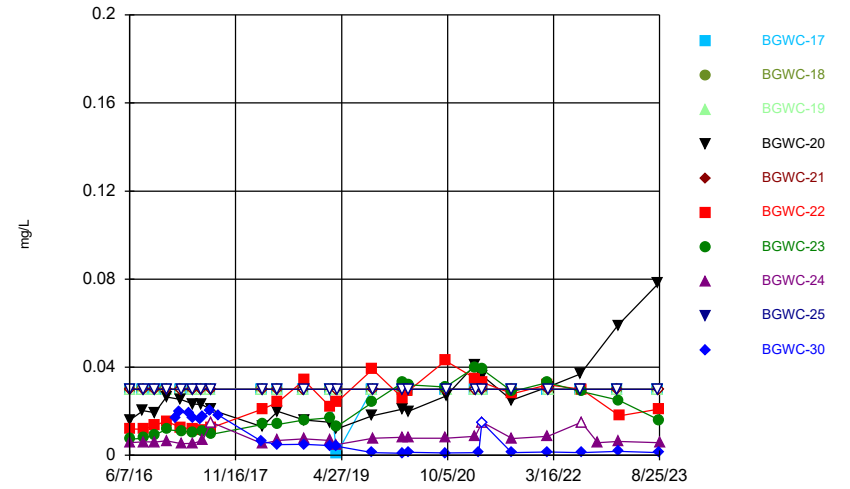
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



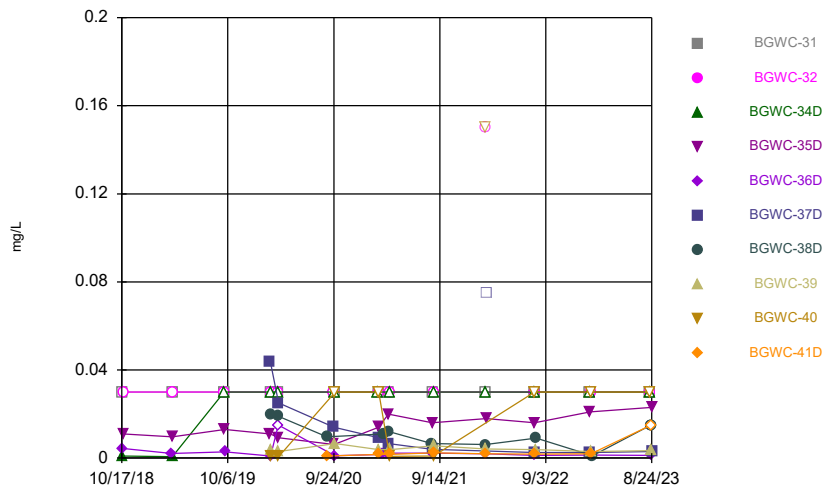
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Time Series



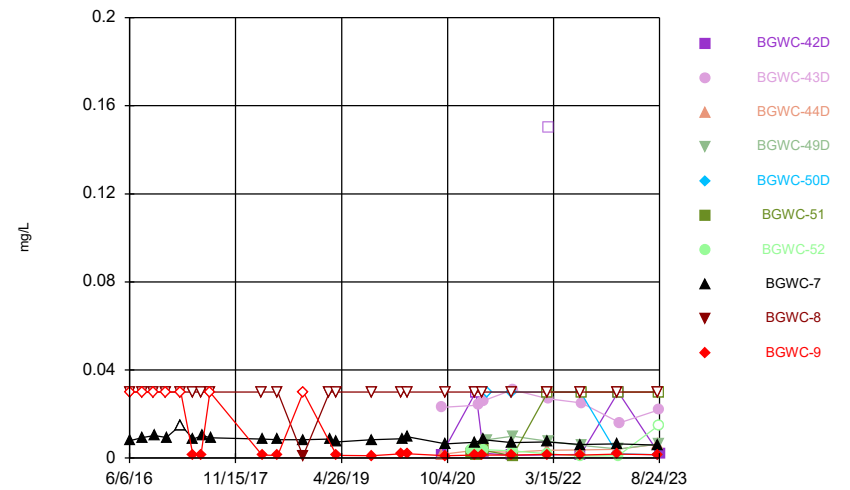
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Time Series



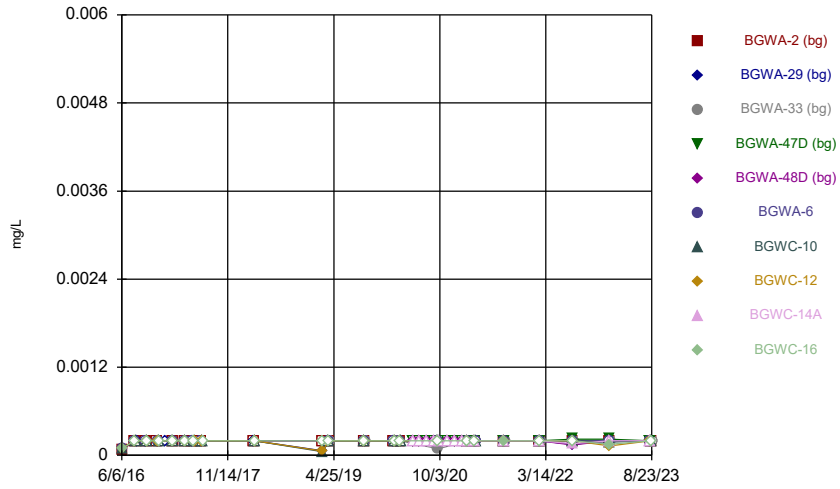
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Time Series



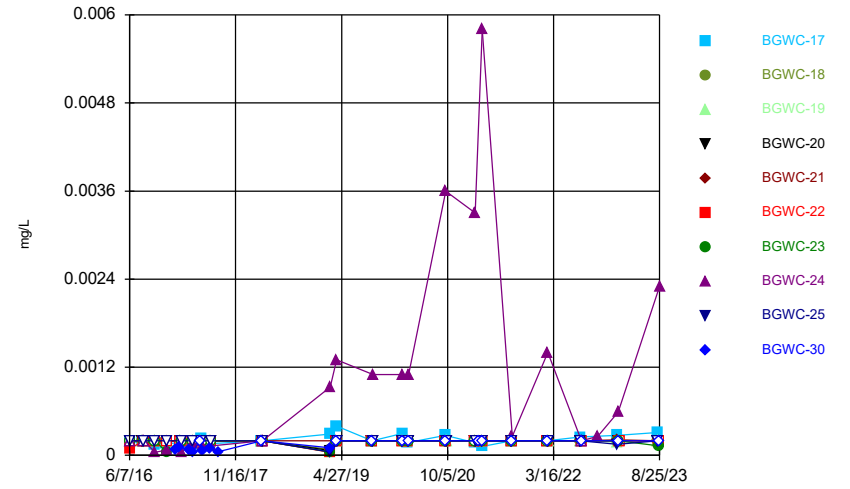
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Time Series



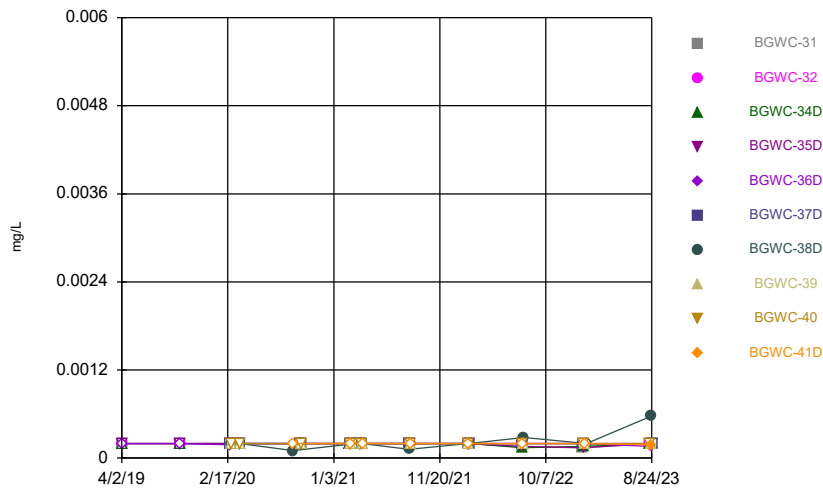
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



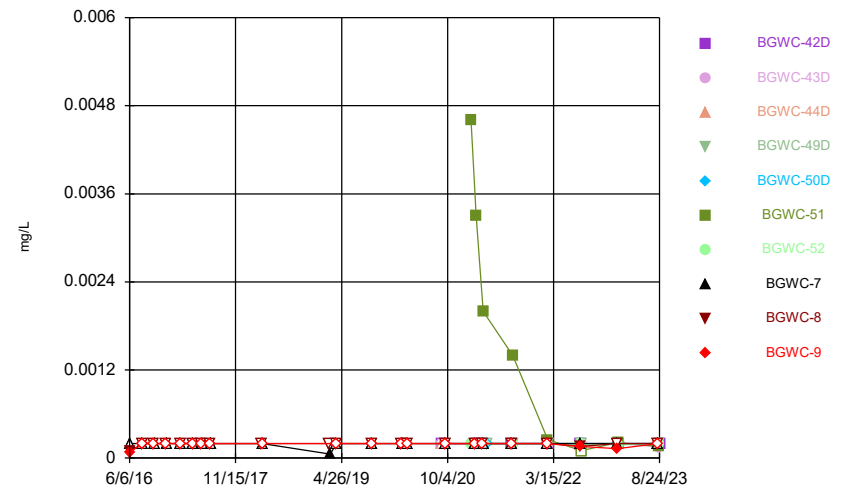
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



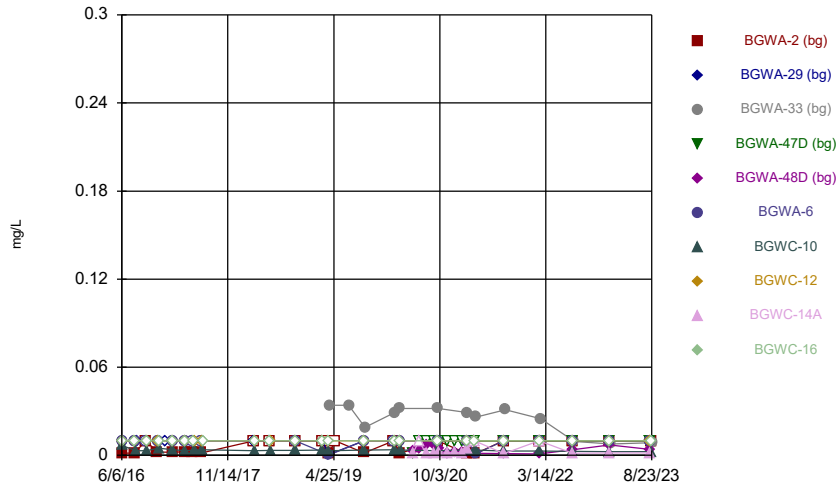
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



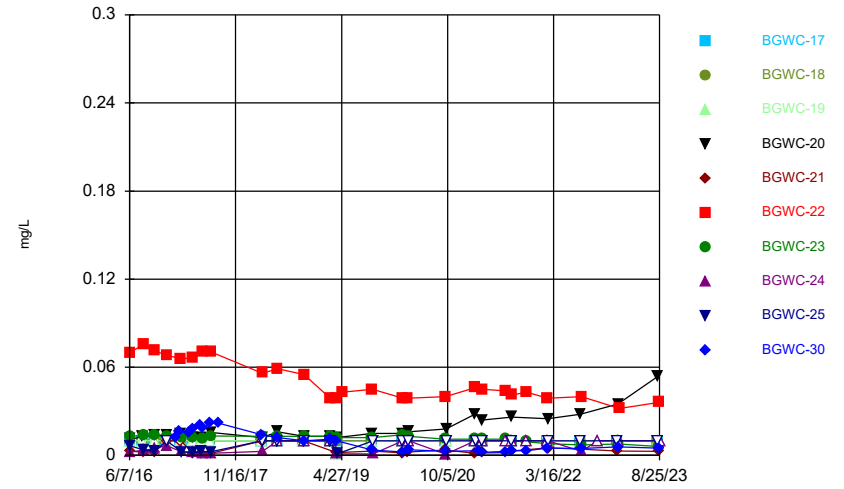
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



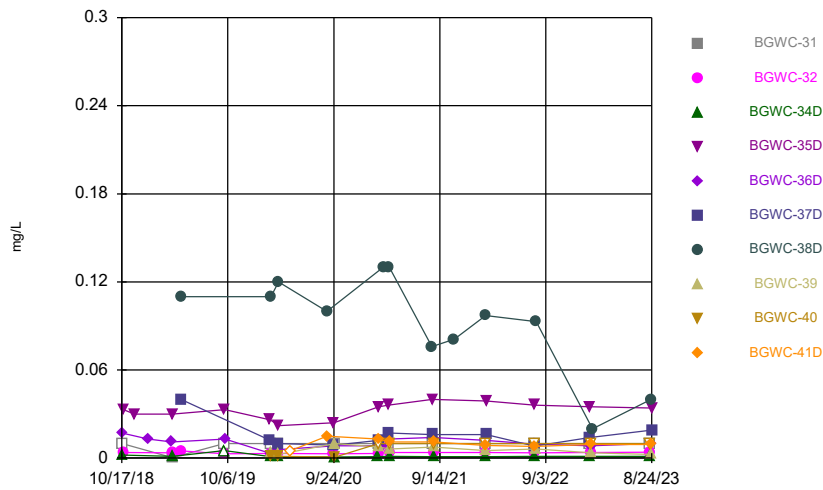
Constituent: Molybdenum Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



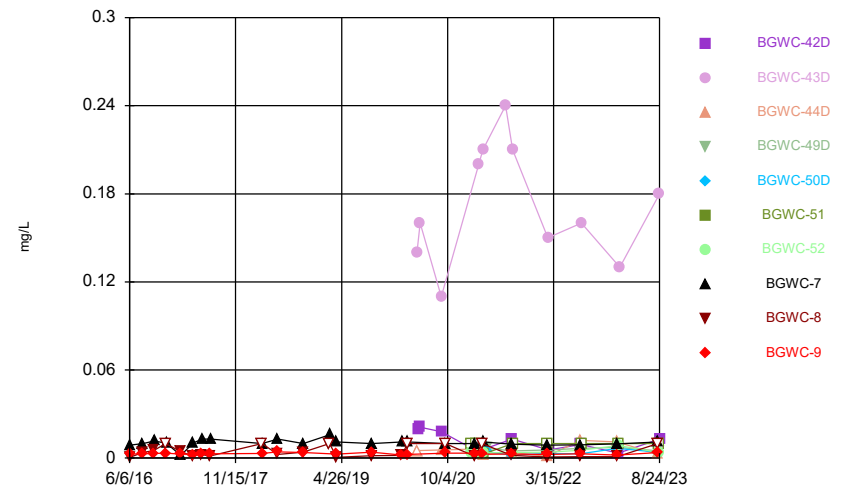
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Time Series



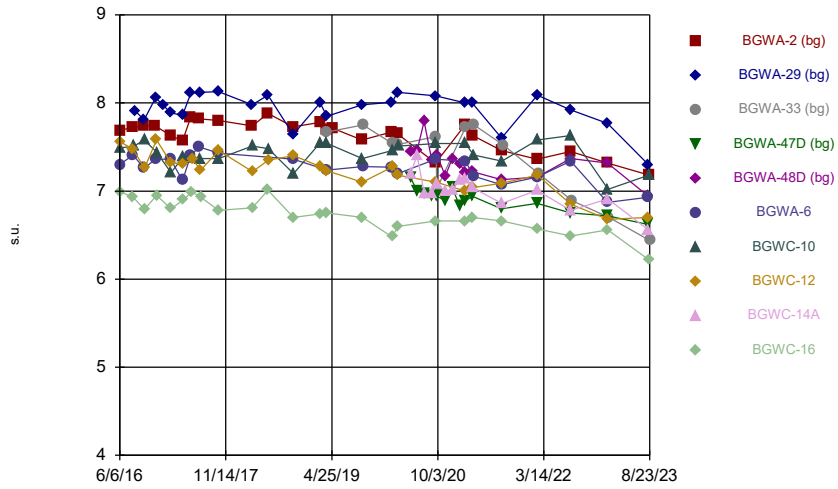
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Time Series



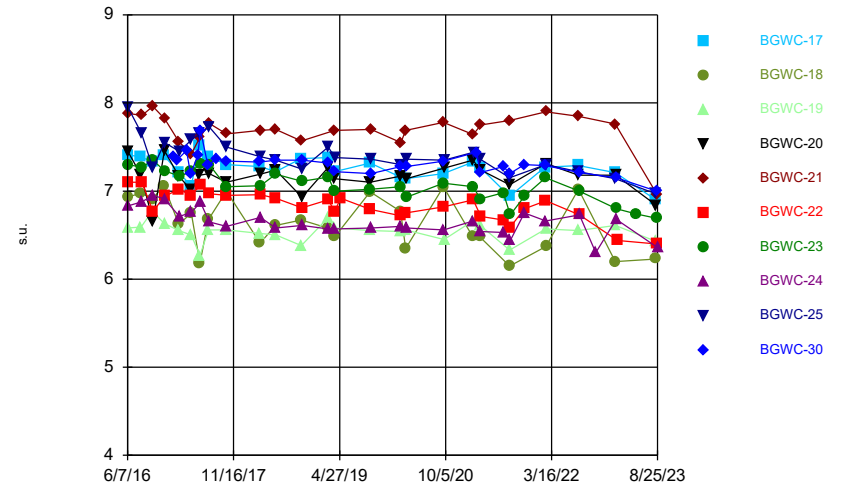
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Time Series



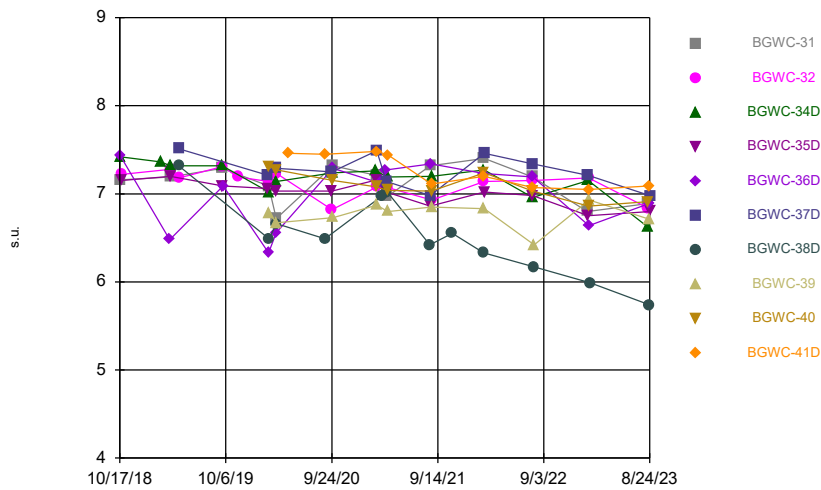
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Time Series



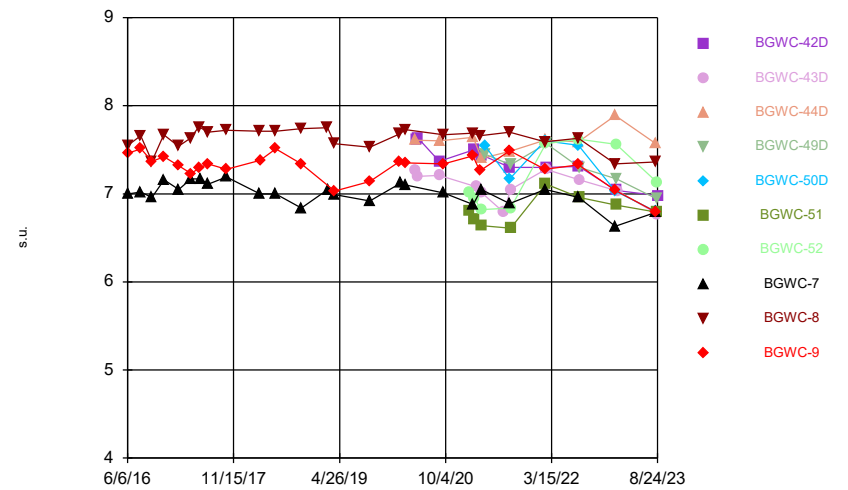
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Time Series



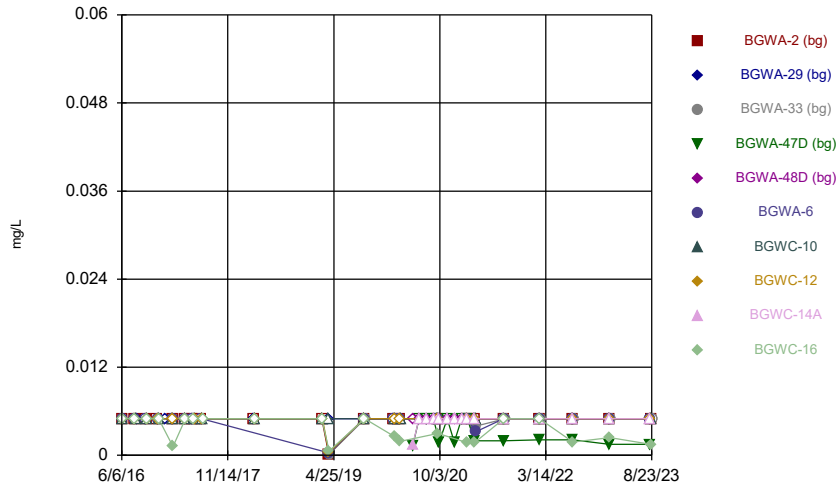
Constituent: pH Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



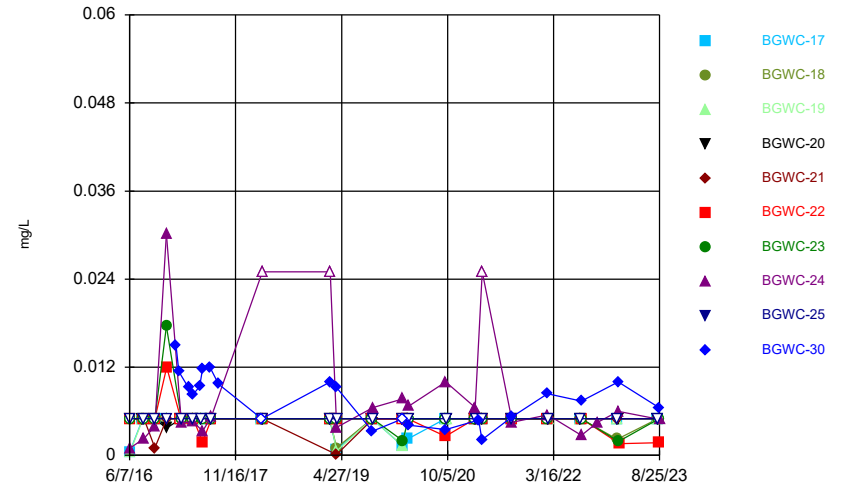
Constituent: pH Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



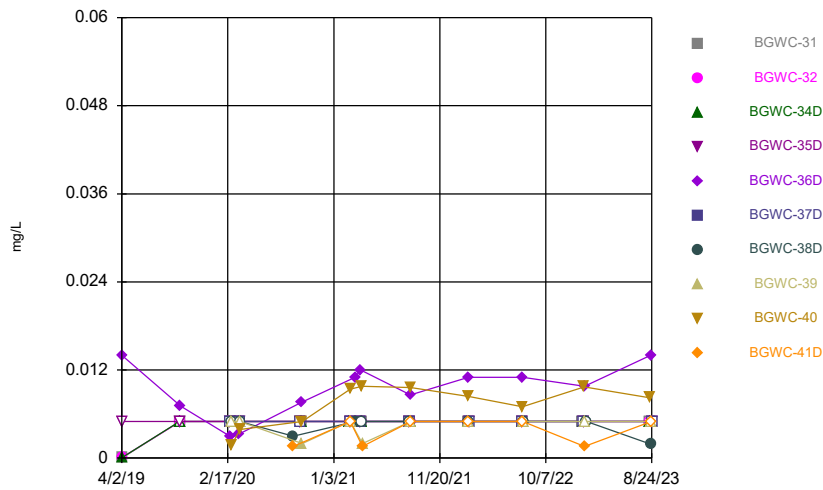
Constituent: Selenium Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



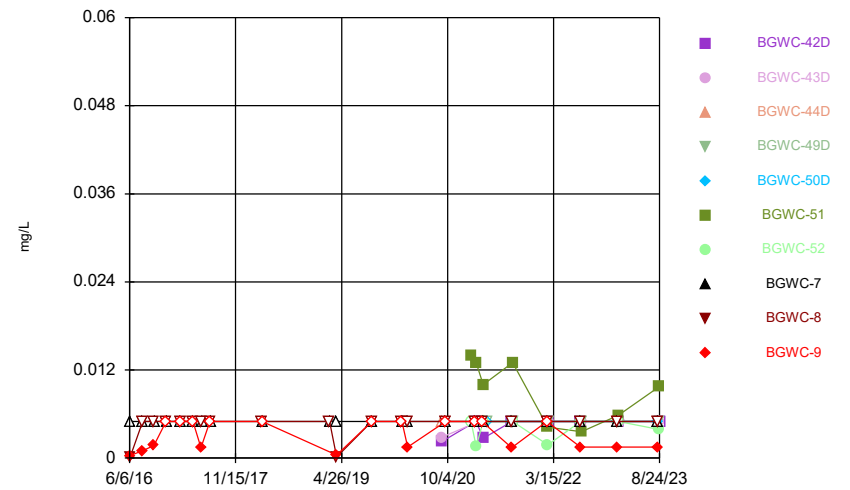
Constituent: Selenium Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



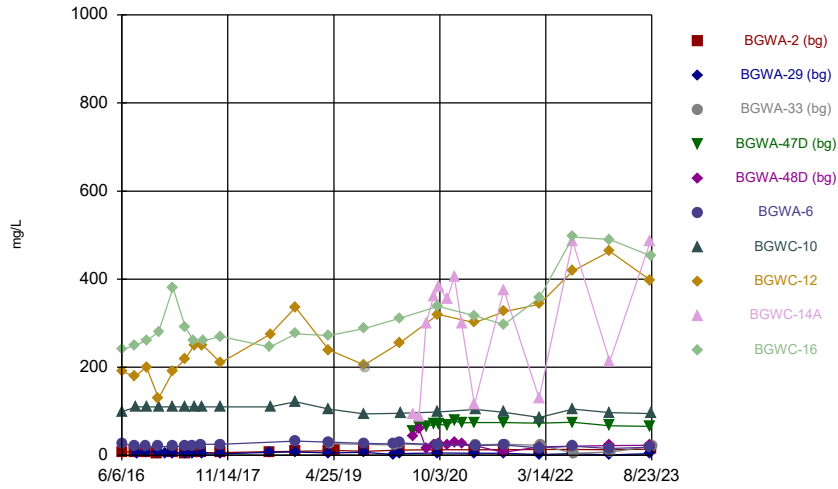
Constituent: Selenium Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



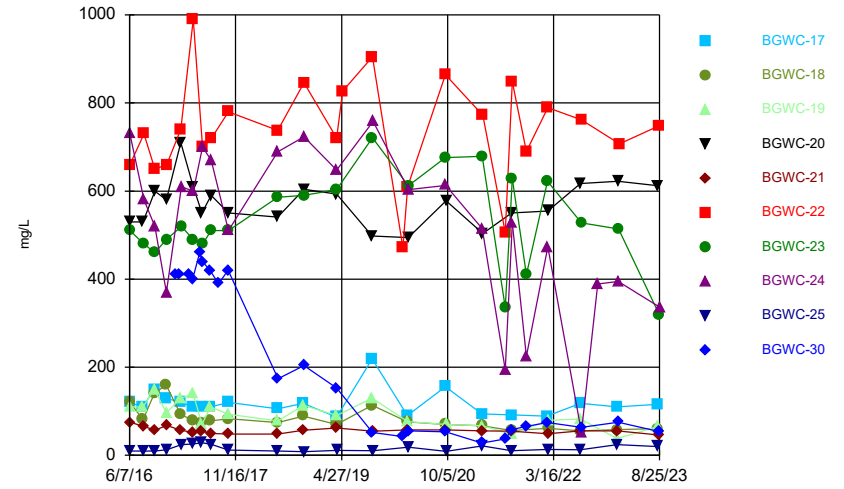
Constituent: Selenium Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



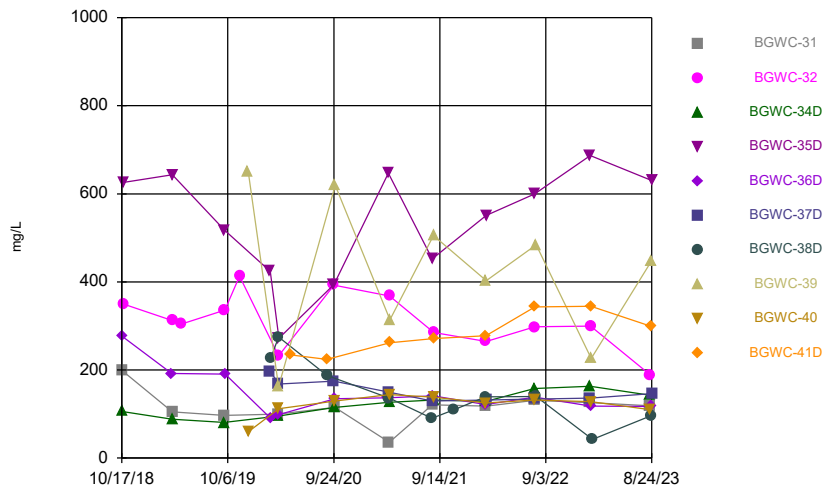
Constituent: Sulfate Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



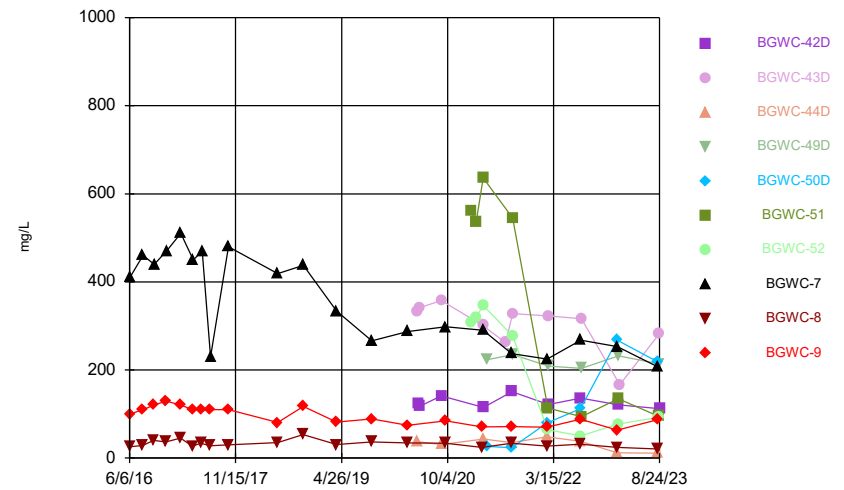
Constituent: Sulfate Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



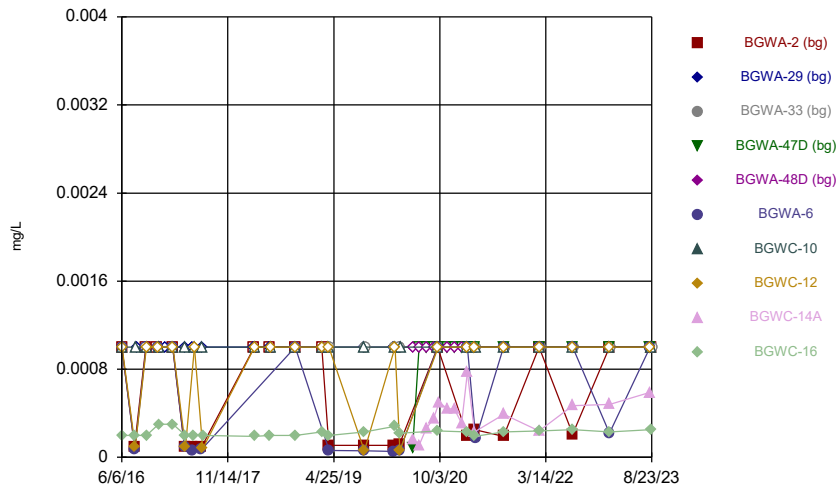
Constituent: Sulfate Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



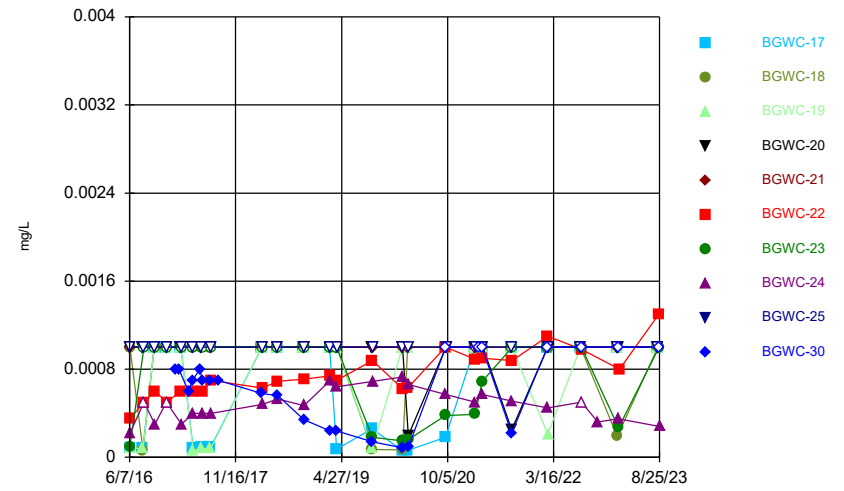
Constituent: Sulfate Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



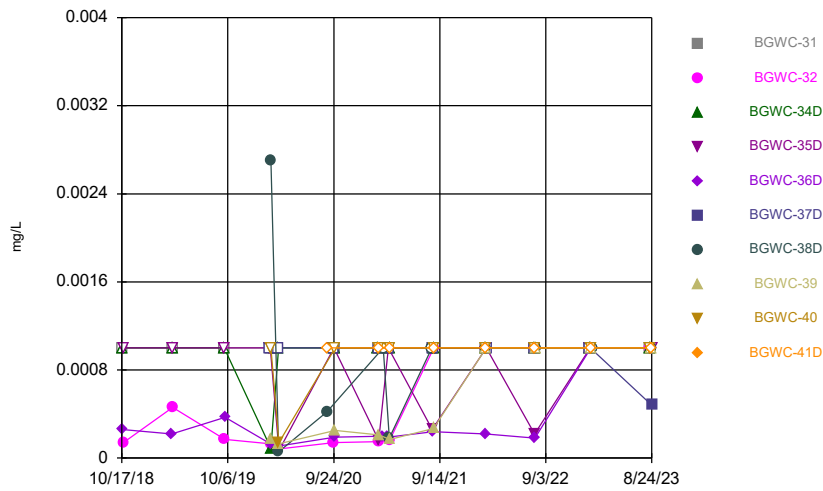
Constituent: Thallium Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



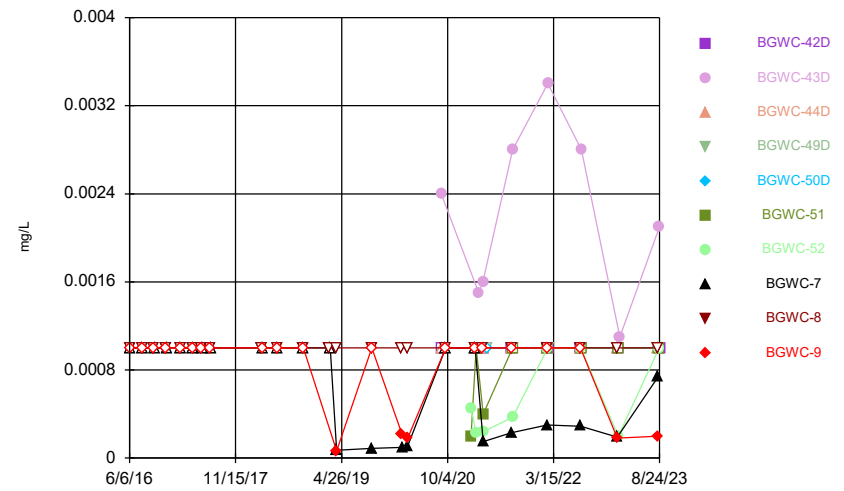
Constituent: Thallium Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



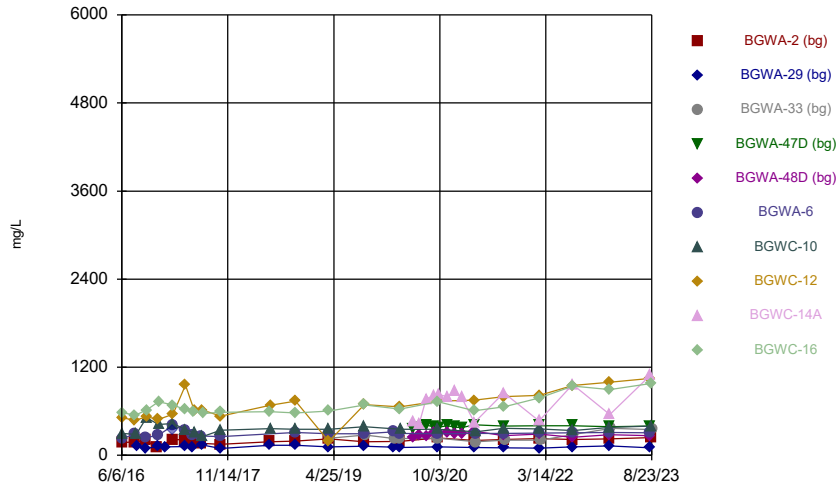
Constituent: Thallium Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



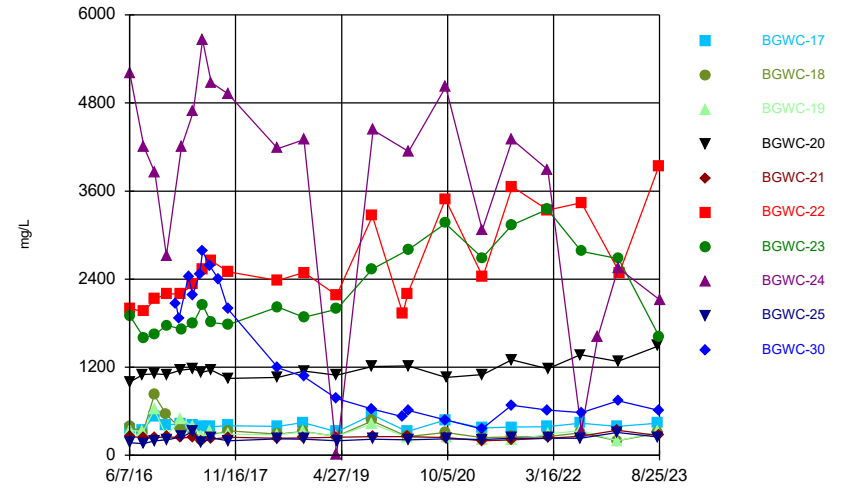
Constituent: Thallium Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



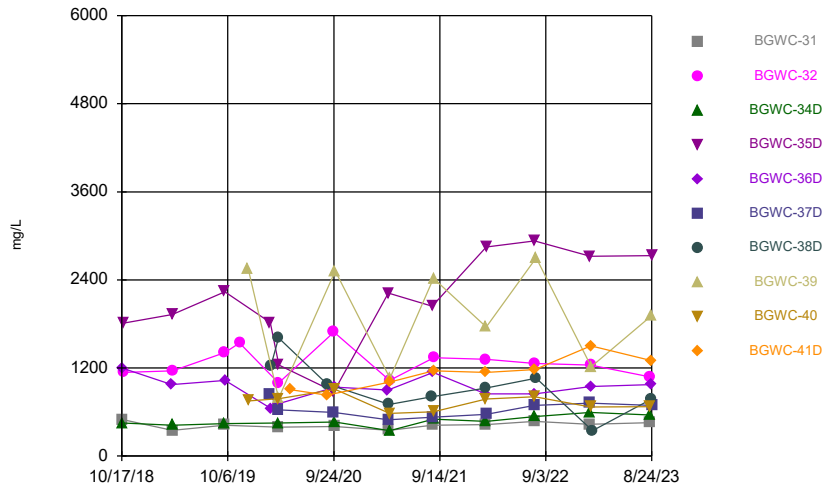
Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



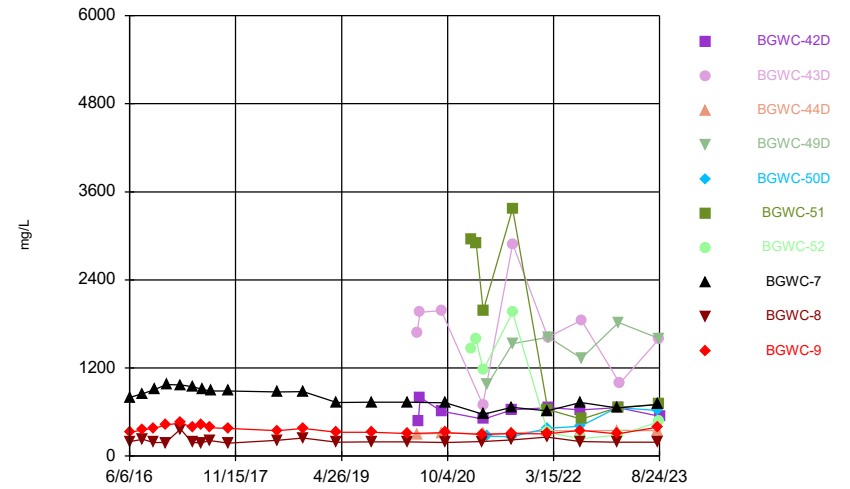
Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:26 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.003					<0.003			
6/7/2016							0.0022 (J)	<0.003	
8/9/2016	<0.003								
8/10/2016						<0.003			
8/11/2016									
8/12/2016								<0.003	
8/16/2016							<0.003		
8/22/2016		<0.003							
10/3/2016	<0.003								
10/4/2016		<0.003				<0.003			
10/6/2016								<0.003	
10/7/2016							<0.003		
11/29/2016	<0.003								
12/1/2016		<0.003				<0.003			
12/5/2016								<0.003	
12/6/2016							<0.003		
1/10/2017		<0.003							
2/13/2017	<0.003								
2/14/2017		<0.003				<0.003			
2/15/2017								<0.003	
2/16/2017							<0.003		
4/13/2017	0.0004 (J)					<0.003			
4/14/2017		<0.003							
4/18/2017							<0.003	<0.003	
5/25/2017	<0.003	<0.003				<0.003			
5/30/2017									
6/2/2017							<0.003	<0.003	
7/7/2017	<0.003					<0.003			
7/10/2017		<0.003							
7/12/2017							<0.003		
7/13/2017								<0.003	
7/14/2017									
3/26/2018	<0.003	<0.003							
3/27/2018							<0.003		
3/28/2018								<0.003	
2/25/2019	<0.003								
2/27/2019		<0.003							
2/28/2019							<0.003	<0.003	
2/18/2020	<0.003					<0.003			
2/19/2020		<0.003							
2/20/2020							<0.003		
2/21/2020			0.0016 (J)						
2/24/2020								<0.003	
3/18/2020	<0.003	<0.003							
3/19/2020						<0.003		<0.003	
3/20/2020			0.0014 (J)						
3/23/2020							<0.003		
5/22/2020				<0.003					<0.003
5/25/2020					0.0042				
6/23/2020				<0.003	0.00074 (J)				<0.003
7/28/2020				0.0013 (J)	0.0014 (J)				<0.003
9/2/2020				0.00082 (J)					<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
9/3/2020					0.0023 (J)				
9/23/2020	<0.003	<0.003				<0.003			
9/24/2020							<0.003		
9/25/2020			0.0015 (J)					<0.003	
10/1/2020				0.00056 (J)	0.0026 (J)				0.0003 (J)
11/10/2020				0.0019 (J)	0.0016 (J)				0.00061 (J)
12/15/2020				0.0018 (J)	0.0018 (J)				<0.003
1/20/2021				0.00068 (J)	0.0015 (J)				<0.003
2/16/2021	<0.003	0.0015 (J)							
2/17/2021				0.0013 (J)	0.0013 (J)				
2/18/2021						<0.003	<0.003		<0.003
2/19/2021			0.0011 (J)					<0.003	
3/23/2021		<0.003							
3/24/2021								<0.003	<0.003
3/25/2021				<0.003	0.0008 (J)				
3/26/2021	<0.003								
3/30/2021							<0.003		
3/31/2021						<0.003			
4/1/2021			0.002 (J)						
8/16/2021	<0.003	<0.003		<0.003	0.0018 (J)	<0.003			
8/18/2021							<0.003	<0.003	<0.003
8/25/2021			0.0013 (J)						
2/9/2022	<0.003			<0.003	0.0018 (J)	<0.003			<0.003
2/10/2022		<0.003							
2/11/2022							0.0021 (J)	<0.003	
2/16/2022			0.00089 (J)						
7/26/2022	<0.003	0.00096 (J)		<0.003	0.0008 (J)	<0.003			<0.003
7/27/2022								<0.003	
7/28/2022							0.0015 (J)		
8/3/2022			<0.003						
1/24/2023	<0.003	<0.003		<0.003	<0.003				
1/25/2023						0.0017 (J)			
1/26/2023								<0.003	<0.003
1/27/2023							<0.003		
2/2/2023			<0.003						
8/15/2023				<0.003		<0.003			
8/16/2023		<0.003			<0.003			<0.003	<0.003
8/17/2023							<0.003		
8/21/2023	<0.003								
8/23/2023			<0.003						

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.003
8/9/2016	
8/10/2016	
8/11/2016	0.0004 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.003
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.003
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.003
4/13/2017	
4/14/2017	
4/18/2017	<0.003
5/25/2017	
5/30/2017	<0.003
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.003
3/26/2018	
3/27/2018	<0.003
3/28/2018	
2/25/2019	<0.003
2/27/2019	
2/28/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.003
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.003
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

9/3/2020	
9/23/2020	
9/24/2020	<0.003
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.003
2/19/2021	
3/23/2021	
3/24/2021	<0.003
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.003
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.003
2/16/2022	
7/26/2022	
7/27/2022	<0.003
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.003
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.003
8/21/2023	
8/23/2023	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.003								
6/8/2016		<0.003	<0.003	<0.003	<0.003	<0.003			<0.003
6/9/2016							<0.003	<0.003	
8/11/2016	0.0002 (J)								
8/12/2016		<0.003	<0.003	<0.003					
8/15/2016									0.0013 (J)
8/18/2016					<0.003	0.0023 (J)	0.0009 (J)	<0.003	
10/7/2016	<0.003	<0.003	<0.003						
10/10/2016				<0.003	<0.003	0.0021 (J)	<0.003	<0.003	<0.003
12/6/2016	<0.003	<0.003							
12/7/2016			<0.003	<0.003			<0.003	<0.003	
12/8/2016					<0.003	<0.003			<0.003
1/23/2017									
2/7/2017									
2/16/2017	<0.003	<0.003	<0.003						
2/17/2017				<0.003	<0.003	<0.003			
2/20/2017							<0.003	<0.003	<0.003
3/27/2017									
4/17/2017									
4/19/2017	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	<0.003	
4/20/2017						<0.003			<0.003
5/22/2017									
5/30/2017	<0.003								
6/1/2017		<0.003	<0.003	<0.003	<0.003				<0.003
6/5/2017						<0.003	<0.003	<0.003	
7/11/2017									
7/14/2017	<0.003	<0.003	<0.003						
7/17/2017							<0.003	<0.003	<0.003
7/18/2017				<0.003	<0.003				
7/19/2017						<0.003			
8/23/2017									
3/26/2018									
3/27/2018	<0.003	<0.003	<0.003						
3/28/2018				<0.003	<0.003				<0.003
3/29/2018						<0.003	<0.003	<0.003	
2/27/2019	<0.003	<0.003		<0.003					
3/1/2019			<0.003			<0.003	<0.003	<0.003	<0.003
2/24/2020	<0.003	<0.003	<0.003	<0.003					
2/25/2020						<0.003	<0.003		
2/26/2020					<0.003			<0.003	<0.003
3/19/2020	<0.003								
3/20/2020		<0.003	<0.003		<0.003	<0.003			
3/23/2020				0.0014 (J)			0.00053 (J)		
3/24/2020									<0.003
3/25/2020								<0.003	
9/24/2020	<0.003	<0.003			<0.003	<0.003	<0.003		
9/25/2020								0.00048 (J)	
9/28/2020			0.0005 (J)	0.0005 (J)					<0.003
2/18/2021	<0.003	<0.003	<0.003	<0.003					
2/19/2021					<0.003	0.00028 (J)	0.00031 (J)	0.00036 (J)	
2/23/2021									<0.003
3/8/2021									

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/24/2021	<0.003	<0.003							
3/25/2021									
3/26/2021			<0.003				<0.003	<0.003	<0.003
3/29/2021				<0.003	<0.003	<0.003			
8/19/2021	<0.003	<0.003							<0.003
8/20/2021			<0.003	<0.003	0.0014 (J)				
8/23/2021						<0.003	0.0029 (J)	0.0028 (J)	
2/11/2022	<0.003								
2/14/2022							0.0014 (J)		
2/15/2022						<0.003		0.0048	
2/16/2022		<0.003	<0.003	<0.003	0.0017 (J)				<0.003
7/27/2022	<0.003	<0.003	<0.003	<0.003					<0.003
7/28/2022					<0.003				
8/1/2022							0.0022 (J)		
8/2/2022						<0.003		0.015 (o)	
10/21/2022								0.0032 (R)	
1/26/2023	<0.003	<0.003							
1/27/2023			<0.003		<0.003				<0.003
1/30/2023				<0.003					
2/1/2023								<0.003	
2/2/2023							0.007		
2/7/2023						<0.003			
5/10/2023							0.0032		
8/17/2023	<0.003	<0.003							<0.003
8/18/2023			<0.003	<0.003					
8/21/2023									
8/22/2023						<0.003			
8/23/2023					<0.003		<0.003		
8/25/2023								0.0021 (J)	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	<0.003
2/7/2017	<0.003
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	<0.003
4/17/2017	<0.003
4/19/2017	
4/20/2017	
5/22/2017	<0.003
5/30/2017	
6/1/2017	
6/5/2017	<0.003
7/11/2017	<0.003
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	<0.003
3/26/2018	<0.003
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.003
2/24/2020	
2/25/2020	
2/26/2020	<0.003
3/19/2020	
3/20/2020	
3/23/2020	<0.003
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.003
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

3/24/2021	
3/25/2021	<0.003
3/26/2021	
3/29/2021	
8/19/2021	<0.003
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.003
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.003
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.003
2/2/2023	
2/7/2023	
5/10/2023	
8/17/2023	
8/18/2023	
8/21/2023	<0.003
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/25/2020				<0.003		<0.003			
2/26/2020	<0.003				<0.003				
2/27/2020		<0.003	<0.003				0.0003 (J)	<0.003	
2/28/2020									<0.003
3/23/2020	<0.003				<0.003				
3/24/2020		<0.003	<0.003			<0.003	<0.003	<0.003	
3/25/2020				<0.003					<0.003
9/2/2020							0.0016 (J)		
9/25/2020		0.00039 (J)		0.00064 (J)		0.0022 (J)			
9/28/2020	0.00038 (J)		0.00049 (J)		<0.003				
9/29/2020								<0.003	<0.003
2/19/2021			<0.003						
2/22/2021	<0.003			0.00066 (J)		0.00041 (J)		<0.003	<0.003
2/23/2021		0.00036 (J)							
3/8/2021					0.00096 (J)				
3/9/2021							0.00062 (J)		
3/25/2021					<0.003				
3/26/2021				<0.003		<0.003			
3/29/2021	<0.003						<0.003		
3/30/2021		<0.003	0.00079 (J)						0.0005 (J)
3/31/2021								<0.003	
8/19/2021							0.01		
8/20/2021	<0.003			<0.003		<0.003			
8/23/2021					<0.003				
8/24/2021			<0.003					<0.003	<0.003
8/25/2021		<0.003							
2/14/2022					<0.003		0.0067		
2/15/2022									
2/16/2022	<0.003	<0.003	<0.003					<0.003	<0.003
2/17/2022				<0.003		<0.003			
7/28/2022	<0.003		<0.003	<0.003		<0.003			<0.003
7/29/2022		<0.003			<0.003				
8/2/2022							0.0015 (J)	<0.003	
1/27/2023	<0.003								
1/30/2023			<0.003	<0.003		<0.003			
1/31/2023		<0.003							<0.003
2/1/2023					<0.003				
2/2/2023								<0.003	
2/7/2023							0.00082 (J)		
8/18/2023	<0.003	<0.003	<0.003						<0.003
8/21/2023					<0.003		<0.003		
8/23/2023								<0.003	
8/24/2023				<0.003		<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.0014 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.003
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.003
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.0014 (J)
8/25/2021	
2/14/2022	
2/15/2022	<0.003
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.003
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.003
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	<0.003
8/24/2023	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.003
6/8/2016								<0.003	
8/10/2016									0.0004 (J)
8/11/2016								0.0005 (J)	
10/4/2016									<0.003
10/5/2016									
10/6/2016								0.0015 (J)	
12/2/2016									<0.003
12/5/2016									
12/6/2016								<0.003	
2/14/2017									<0.003
2/15/2017								<0.003	
4/14/2017									<0.003
4/17/2017									
4/18/2017								0.0003 (J)	
5/26/2017									<0.003
6/2/2017								<0.003	
7/10/2017									<0.003
7/11/2017									
7/14/2017								<0.003	
3/26/2018									<0.003
3/27/2018								<0.003	
2/25/2019									<0.003
2/28/2019								<0.003	
2/19/2020									<0.003
2/20/2020									
2/21/2020								0.0016 (J)	
3/18/2020									<0.003
3/19/2020								<0.003	
9/3/2020	0.00072 (J)	0.00091 (J)	0.0021 (J)						
9/23/2020									<0.003
9/24/2020									
9/25/2020								<0.003	
1/28/2021						<0.003	0.0019 (J)		
2/16/2021									0.00046 (J)
2/17/2021									
2/18/2021			0.009					<0.003	
2/22/2021	0.0019 (J)								
2/23/2021						<0.003	0.00053 (J)		
3/8/2021		0.00058 (J)							
3/24/2021									0.00059 (J)
3/29/2021		<0.003							
3/30/2021						0.0019 (J)	0.00085 (J)	<0.003	
3/31/2021			0.0026 (J)						
4/1/2021	0.0019 (J)								
4/19/2021				0.00039 (J)	0.0019 (J)				
8/18/2021			0.0015 (J)		<0.003				<0.003
8/19/2021								<0.003	
8/20/2021	0.00083 (J)								
8/23/2021		<0.003				<0.003	<0.003		
8/24/2021				<0.003					

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
2/9/2022			<0.003		<0.003				
2/10/2022									<0.003
2/11/2022								<0.003	
2/14/2022						<0.003	<0.003		
2/15/2022		<0.003							
2/17/2022	<0.003			<0.003					
7/26/2022			0.0011 (J)		<0.003				<0.003
7/28/2022	<0.003						<0.003	<0.003	
8/1/2022		<0.003		<0.003		<0.003			
1/25/2023			<0.003		0.0017 (J)				
1/26/2023								<0.003	<0.003
1/30/2023	<0.003								
1/31/2023						<0.003	<0.003		
2/1/2023				<0.003					
2/7/2023		<0.003							
8/15/2023			<0.003		<0.003				
8/16/2023									<0.003
8/17/2023								<0.003	
8/21/2023						<0.003			
8/22/2023				<0.003			<0.003		
8/23/2023		<0.003							
8/24/2023	<0.003								

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.003
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0003 (J)
10/4/2016	
10/5/2016	<0.003
10/6/2016	
12/2/2016	
12/5/2016	<0.003
12/6/2016	
2/14/2017	
2/15/2017	<0.003
4/14/2017	
4/17/2017	<0.003
4/18/2017	
5/26/2017	<0.003
6/2/2017	
7/10/2017	
7/11/2017	<0.003
7/14/2017	
3/26/2018	
3/27/2018	<0.003
2/25/2019	
2/28/2019	
2/19/2020	
2/20/2020	<0.003
2/21/2020	
3/18/2020	
3/19/2020	<0.003
9/3/2020	
9/23/2020	
9/24/2020	<0.003
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.00075 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.00038 (J)
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0014 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
2/9/2022	
2/10/2022	<0.003
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.003
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.003
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.003
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.0012 (J)					<0.005			
6/7/2016							0.0039	<0.005	
8/9/2016	<0.005								
8/10/2016						<0.005			
8/11/2016									
8/12/2016								0.0009 (J)	
8/16/2016							0.0091		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005			
10/6/2016								<0.005	
10/7/2016							0.0074		
11/29/2016	0.0023 (J)								
12/1/2016		<0.005				<0.005			
12/5/2016								<0.005	
12/6/2016							0.0044 (J)		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							0.0081		
4/13/2017	0.0017 (J)					0.0007 (J)			
4/14/2017		0.0006 (J)							
4/18/2017							0.0084	0.0009 (J)	
5/25/2017	0.0015 (J)	0.0008 (J)				0.0013 (J)			
5/30/2017									
6/2/2017							0.008	0.0015 (J)	
7/7/2017	0.001 (J)					<0.005			
7/10/2017		0.0008 (J)							
7/12/2017							0.0063		
7/13/2017								0.0006 (J)	
7/14/2017									
3/26/2018	0.0019 (J)	0.00066 (J)							
3/27/2018							0.0064		
3/28/2018								0.0015 (J)	
6/12/2018	0.0013 (J)	0.00059 (J)							
6/14/2018							0.0075	0.00096 (J)	
10/16/2018	0.00075 (J)	<0.005				0.00095 (J)			
10/17/2018								<0.005	
10/18/2018							0.0056		
2/25/2019	<0.005								
2/27/2019		0.0011 (J)							
2/28/2019							0.0058	<0.005	
4/1/2019	0.00049 (J)	0.00019 (J)						0.00028 (J)	
4/2/2019						0.00032 (J)	0.0057		
4/3/2019			0.002 (J)						
9/23/2019	0.00095 (J)	0.00053 (J)				0.0012 (J)			
9/25/2019							0.0058	0.00085 (J)	
9/26/2019									
9/27/2019			0.0023 (J)						
2/18/2020	0.002 (J)					0.0019 (J)			
2/19/2020		0.0012 (J)							

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							0.0067		
2/21/2020			0.0015 (J)						
2/24/2020								0.00039 (J)	
3/18/2020	<0.005	<0.005							
3/19/2020						<0.005		0.00036 (J)	
3/20/2020			0.0024 (J)						
3/23/2020							0.0049 (J)		
5/22/2020				0.00059 (J)					0.001 (J)
5/25/2020					0.0025 (J)				
6/23/2020				<0.005	0.01				<0.005
7/28/2020				0.00081 (J)	0.0039 (J)				0.0011 (J)
9/2/2020				<0.005					<0.005
9/3/2020					0.0018 (J)				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							0.006		
9/25/2020			0.0017 (J)					<0.005	
10/1/2020				<0.005	0.0014 (J)				<0.005
11/10/2020				<0.005	<0.005				<0.005
12/15/2020				<0.005	<0.005				<0.005
1/20/2021				<0.005	<0.005				<0.005
2/16/2021	<0.005	<0.005							
2/17/2021				<0.005	<0.005				
2/18/2021						0.0011 (J)	0.0054		<0.005
2/19/2021			<0.005					0.0011 (J)	
3/23/2021		<0.005							
3/24/2021								0.002 (J)	0.002 (J)
3/25/2021				0.0014 (J)	0.0042 (J)				
3/26/2021	<0.005								
3/30/2021							0.0053		
3/31/2021						<0.005			
4/1/2021			0.0013 (J)						
8/16/2021	<0.005	<0.005		0.0012 (J)	0.0079	<0.005			
8/18/2021							0.0083	0.0039 (J)	0.0034 (J)
8/25/2021			0.0018 (J)						
2/9/2022	<0.005			<0.005	0.0057	<0.005			<0.005
2/10/2022		<0.005							
2/11/2022							0.0094	<0.005	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		<0.005	<0.005	<0.005			<0.005
7/27/2022								0.0028 (J)	
7/28/2022							0.005		
8/3/2022			0.0043 (J)						
1/24/2023	<0.005	<0.005		<0.005	<0.005				
1/25/2023						<0.005			
1/26/2023								<0.005	<0.005
1/27/2023							<0.005		
2/2/2023			0.01						
8/15/2023				<0.005		<0.005			
8/16/2023		<0.005			<0.005			<0.005	<0.005
8/17/2023							0.0062		
8/21/2023	<0.005								
8/23/2023			0.0048 (J)						

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.005
8/9/2016	
8/10/2016	
8/11/2016	<0.005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.005
4/13/2017	
4/14/2017	
4/18/2017	0.0007 (J)
5/25/2017	
5/30/2017	0.0008 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0008 (J)
3/26/2018	
3/27/2018	0.0014 (J)
3/28/2018	
6/12/2018	0.00073 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.005
2/25/2019	<0.005
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0003 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.00074 (J)
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.00042 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.005
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.005
2/19/2021	
3/23/2021	
3/24/2021	0.0013 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.005
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.005
2/16/2022	
7/26/2022	
7/27/2022	<0.005
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.005
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.005
8/21/2023	
8/23/2023	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.005								
6/8/2016		<0.005	0.00046 (J)	0.0011 (J)	0.0015	0.0012 (J)			0.0037
6/9/2016							0.0012 (J)	0.0016	
8/11/2016	<0.005								
8/12/2016		<0.005	0.0008 (J)	0.0017 (J)					
8/15/2016									0.003 (J)
8/18/2016					<0.005	0.0022 (J)	0.003 (J)	0.0054	
10/7/2016	<0.005	<0.005	<0.005						
10/10/2016				<0.005	<0.005	0.002 (J)	0.0021 (J)	0.0079	0.0026 (J)
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	<0.005			0.0023 (J)	0.0121	
12/8/2016					<0.005	<0.005			<0.005
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	0.0023 (J)			
2/20/2017							0.0025 (J)	0.0063	0.0029 (J)
3/27/2017									
4/17/2017									
4/19/2017	0.0012 (J)	0.0013 (J)	0.0015 (J)	0.002 (J)	0.002 (J)		0.0032 (J)	0.0051	
4/20/2017						0.0028 (J)			0.0024 (J)
5/22/2017									
5/30/2017	0.0006 (J)								
6/1/2017		0.0005 (J)	0.0008 (J)	0.0017 (J)	0.0011 (J)				0.0025 (J)
6/5/2017						0.0035 (J)	0.0043 (J)	0.0072	
7/11/2017									
7/14/2017	<0.005	<0.005	0.0006 (J)						
7/17/2017							0.0017 (J)	0.0031 (J)	0.0021 (J)
7/18/2017				0.0018 (J)	0.0015 (J)				
7/19/2017						0.0028 (J)			
8/23/2017									
3/26/2018									
3/27/2018	0.00076 (J)	0.00066 (J)	0.00082 (J)						
3/28/2018				0.0018 (J)	0.0012 (J)				0.0019 (J)
3/29/2018						0.0037 (J)	0.0028 (J)	0.0075 (J)	
6/13/2018				0.0015 (J)			0.0019 (J)	0.0045 (J)	
6/14/2018	<0.005	<0.005			0.00087 (J)	0.0027 (J)			0.0022 (J)
6/15/2018			0.00074 (J)						
10/17/2018	<0.005								
10/18/2018		<0.005							
10/19/2018			<0.005		0.00059 (J)				
10/22/2018				<0.005		0.0016 (J)	0.0015 (J)	0.0027 (J)	0.0026 (J)
2/27/2019	0.001 (J)	0.00083 (J)		0.0014 (J)					
3/1/2019			<0.005			0.0011 (J)	0.0023 (J)	0.0032 (J)	0.0022 (J)
4/2/2019	0.00024 (J)	0.00015 (J)							
4/3/2019			0.00017 (J)	0.00027 (J)	0.00038 (J)	0.0021 (J)	0.00093 (J)	0.0019 (J)	
4/4/2019									0.0016 (J)
9/26/2019	0.0008 (J)	0.00046 (J)	0.00067 (J)	0.00087 (J)					
9/27/2019						0.0013 (J)	0.00096 (J)		
9/30/2019					<0.005			0.0027 (J)	0.002 (J)
2/24/2020	<0.005	<0.005	<0.005	0.00057 (J)					
2/25/2020						0.0014 (J)	0.0012 (J)		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					0.00047 (J)			0.0013 (J)	0.0018 (J)
3/19/2020	<0.005								
3/20/2020		<0.005	<0.005		<0.005	0.0015 (J)			
3/23/2020				<0.005			0.0027 (J)		
3/24/2020									0.0013 (J)
3/25/2020								<0.005	
9/24/2020	<0.005	<0.005			<0.005	0.0019 (J)	0.001 (J)		
9/25/2020								0.0023 (J)	
9/28/2020			<0.005	<0.005					0.0028 (J)
2/18/2021	<0.005	<0.005	<0.005	0.0016 (J)					
2/19/2021					0.00079 (J)	0.0039 (J)	0.0049 (J)	0.0054	
2/23/2021									0.004 (J)
3/8/2021									
3/24/2021	0.0017 (J)	0.0014 (J)							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.005	0.0025 (J)
3/29/2021				<0.005	<0.005	<0.005			
8/19/2021	0.0014 (J)	0.002 (J)							0.0019 (J)
8/20/2021			<0.005	<0.005	<0.005				
8/23/2021						0.0036 (J)	0.0043 (J)	0.0032 (J)	
2/11/2022	<0.005								
2/14/2022							0.0065		
2/15/2022						0.007		0.0073	
2/16/2022		<0.005	0.0022 (J)	0.0031 (J)	0.002 (J)				0.0055
7/27/2022	<0.005	<0.005	<0.005	<0.005					0.0027 (J)
7/28/2022					<0.005				
8/1/2022							0.0085		
8/2/2022						0.0033 (J)		<0.005	
10/21/2022								0.003 (JR)	
1/26/2023	<0.005	<0.005							
1/27/2023			<0.005		<0.005				<0.005
1/30/2023				<0.005					
2/1/2023								0.0042 (J)	
2/2/2023							0.01		
2/7/2023						0.0028 (J)			
8/17/2023	<0.005	<0.005							<0.005
8/18/2023			<0.005	0.0045 (J)					
8/21/2023									
8/22/2023						0.0095			
8/23/2023					<0.005		0.0062		
8/25/2023								0.0081	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	<0.005
2/7/2017	<0.005
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0019 (J)
4/17/2017	0.0017 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0034 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0039 (J)
7/11/2017	0.0016 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.001 (J)
3/26/2018	0.0015 (J)
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.00089 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.00064 (J)
2/27/2019	
3/1/2019	<0.005
4/2/2019	0.00024 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00042 (J)
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	0.00053 (J)
3/19/2020	
3/20/2020	
3/23/2020	<0.005
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.005
3/24/2021	
3/25/2021	0.0015 (J)
3/26/2021	
3/29/2021	
8/19/2021	<0.005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0034 (J)
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.0024 (J)
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	<0.005
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.00082 (J)				
10/18/2018	0.0034 (J)								
10/19/2018			0.013						
10/22/2018		0.00076 (J)		0.0019 (J)					
1/14/2019			0.017						
3/4/2019			0.02						
4/2/2019					0.00039 (J)				
4/4/2019	0.0036 (J)		0.015	0.0018 (J)					
4/5/2019		0.00093 (J)							
9/24/2019	0.0055		0.016						
9/26/2019		0.0018 (J)		0.0035 (J)					
9/27/2019					0.00064 (J)				
2/25/2020				0.0013 (J)		0.04			
2/26/2020	0.0037 (J)				<0.005				
2/27/2020		0.00081 (J)	0.017				0.0021 (J)	0.00055 (J)	
2/28/2020									0.00062 (J)
3/23/2020	0.0054				<0.005				
3/24/2020		0.0017 (J)	0.02			0.028	0.0054	<0.005	
3/25/2020				0.00046 (J)					0.00051 (J)
9/2/2020							0.0012 (J)		
9/25/2020		0.00093 (J)		0.0021 (J)		0.033			
9/28/2020	0.0044 (J)		0.018		<0.005				
9/29/2020							<0.005	<0.005	
2/19/2021			0.015						
2/22/2021	0.0049 (J)			0.0034 (J)		0.019		0.0026 (J)	0.0024 (J)
2/23/2021		0.0032 (J)							
3/8/2021					0.00096 (J)				
3/9/2021							0.0021 (J)		
3/25/2021					0.0021 (J)				
3/26/2021				0.002 (J)		0.013			
3/29/2021	0.0038 (J)						0.0019 (J)		
3/30/2021		<0.005	0.016						<0.005
3/31/2021							<0.005		
8/19/2021							<0.005		
8/20/2021	0.0054			0.0021 (J)		0.014			
8/23/2021					0.0018 (J)				
8/24/2021			0.017					0.0028 (J)	0.0021 (J)
8/25/2021		0.0029 (J)							
2/14/2022					<0.005		0.0036 (J)		
2/15/2022									
2/16/2022	0.007	0.0041 (J)	0.02					0.0052	0.0032 (J)
2/17/2022				0.0065		0.011			
7/28/2022	0.0051		0.015	<0.005		0.013			<0.005
7/29/2022		<0.005			<0.005				
8/2/2022							0.0025 (J)	0.0055	
1/27/2023	0.0035 (J)								
1/30/2023			0.014	0.005 (J)		0.0074			
1/31/2023		0.004 (J)							0.0022 (J)
2/1/2023					0.0032 (J)				
2/2/2023								0.0048 (J)	
2/7/2023							<0.005		
8/18/2023	0.0054	0.0039 (J)	0.016						<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/21/2023					0.0062		0.0051		
8/23/2023								0.01	
8/24/2023				0.016		0.0086			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
1/14/2019	
3/4/2019	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.00092 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.0033 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.0017 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.0027 (J)
8/25/2021	
2/14/2022	
2/15/2022	0.0062
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.0034 (J)
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	0.0084
2/2/2023	
2/7/2023	
8/18/2023	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

8/21/2023

8/23/2023

8/24/2023

0.011

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.00018 (J)
6/8/2016								0.0024	
8/10/2016									<0.005
8/11/2016								0.0024 (J)	
10/4/2016									<0.005
10/5/2016									
10/6/2016								<0.005	
12/2/2016									<0.005
12/5/2016									
12/6/2016								<0.005	
2/14/2017									<0.005
2/15/2017								0.003 (J)	
4/14/2017									0.0007 (J)
4/17/2017									
4/18/2017								0.0029 (J)	
5/26/2017									0.0008 (J)
6/2/2017								0.0031 (J)	
7/10/2017									0.0011 (J)
7/11/2017									
7/14/2017								0.0017 (J)	
3/26/2018									0.0009 (J)
3/27/2018								0.0028 (J)	
6/12/2018									0.00065 (J)
6/13/2018								0.0023 (J)	
10/16/2018									0.00064 (J)
10/17/2018									
10/18/2018								0.0015 (J)	
2/25/2019									<0.005
2/28/2019								0.0011 (J)	
4/1/2019									0.00041 (J)
4/2/2019								0.0016 (J)	
9/24/2019								0.0031 (J)	0.00047 (J)
2/19/2020									0.0011 (J)
2/20/2020									
2/21/2020								0.0018 (J)	
3/18/2020									0.00042 (J)
3/19/2020								0.0018 (J)	
9/3/2020	0.0023 (J)	0.00099 (J)	0.0033 (J)						
9/23/2020									<0.005
9/24/2020									
9/25/2020								0.0025 (J)	
1/28/2021						0.0012 (J)	0.00099 (J)		
2/16/2021									<0.005
2/17/2021									
2/18/2021			0.0078					0.0026 (J)	
2/22/2021	0.0068								
2/23/2021						0.0048 (J)	0.0028 (J)		
3/8/2021		0.0013 (J)							
3/24/2021									0.0012 (J)
3/29/2021		0.001 (J)							
3/30/2021						0.0065 (J)	0.001 (J)	0.0017 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Date	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			0.0043 (J)						
4/1/2021	0.002 (J)								
4/19/2021				0.0023 (J)	0.0032 (J)				
8/18/2021			0.0019 (J)		0.0018 (J)				0.0014 (J)
8/19/2021								0.0045 (J)	
8/20/2021	0.0064								
8/23/2021		0.0022 (J)				0.0033 (J)	0.002 (J)		
8/24/2021				0.003 (J)					
2/9/2022			0.0062		0.0023 (J)				
2/10/2022									<0.005
2/11/2022								0.0022 (J)	
2/14/2022						<0.005	<0.005		
2/15/2022		0.0048 (J)							
2/17/2022	0.009			0.0057					
7/26/2022			0.0041 (J)		0.0035 (J)				<0.005
7/28/2022	0.0033 (J)						<0.005	0.0024 (J)	
8/1/2022		0.0045 (J)		0.0076		<0.005			
1/25/2023			0.0043 (J)		<0.005				
1/26/2023								0.0025 (J)	<0.005
1/30/2023	0.0088								
1/31/2023						<0.005	<0.005		
2/1/2023				0.0073					
2/7/2023		<0.005							
8/15/2023			0.0039 (J)		<0.005				
8/16/2023									<0.005
8/17/2023								0.0041 (J)	
8/21/2023						0.0057			
8/22/2023				0.0097			0.005		
8/23/2023		0.0087							
8/24/2023	0.0059								

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.0022
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0028 (J)
10/4/2016	
10/5/2016	0.002 (J)
10/6/2016	
12/2/2016	
12/5/2016	<0.005
12/6/2016	
2/14/2017	
2/15/2017	0.0033 (J)
4/14/2017	
4/17/2017	0.0028 (J)
4/18/2017	
5/26/2017	0.0035 (J)
6/2/2017	
7/10/2017	
7/11/2017	0.0033 (J)
7/14/2017	
3/26/2018	
3/27/2018	0.0021 (J)
6/12/2018	0.0015 (J)
6/13/2018	
10/16/2018	
10/17/2018	0.0035 (J)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.0026 (J)
4/2/2019	
9/24/2019	0.0033 (J)
2/19/2020	
2/20/2020	0.0019 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.0014 (J)
9/3/2020	
9/23/2020	
9/24/2020	0.0021 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.0019 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.0025 (J)
3/29/2021	
3/30/2021	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0025 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.0018 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.005
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.005
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.005
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.2					0.015			
6/7/2016							0.091	0.027	
8/9/2016	0.188								
8/10/2016						0.0142			
8/11/2016									
8/12/2016								0.026	
8/16/2016							0.0667		
8/22/2016		0.0094 (J)							
10/3/2016	0.191								
10/4/2016		0.0188				0.0137			
10/6/2016								0.0308	
10/7/2016							0.0631		
11/29/2016	0.201								
12/1/2016		0.0334				0.0144			
12/5/2016								0.0258	
12/6/2016							0.0659		
1/10/2017		0.0306							
2/13/2017	0.218								
2/14/2017		0.0247				0.0114			
2/15/2017								0.029	
2/16/2017							0.0621		
4/13/2017	0.19					0.0115			
4/14/2017		0.0231							
4/18/2017							0.0545	0.0294	
5/25/2017	0.193	0.0235				0.0122			
5/30/2017									
6/2/2017							0.0555	0.0354	
7/7/2017	0.148					0.012			
7/10/2017		0.0207							
7/12/2017							0.0572		
7/13/2017								0.0329	
7/14/2017									
3/26/2018	0.17	0.016							
3/27/2018							0.051		
3/28/2018								0.034	
6/12/2018	0.18	0.018							
6/14/2018							0.053	0.032	
10/16/2018	0.17	0.016				0.011			
10/17/2018								0.033	
10/18/2018							0.053		
2/25/2019	0.16								
2/27/2019		0.013							
2/28/2019							0.053	0.033	
4/1/2019	0.16	0.014						0.023	
4/2/2019						0.011	0.045		
4/3/2019			0.025						
9/23/2019	0.21	0.016				0.012			
9/25/2019							0.047	0.035	
9/26/2019									
9/27/2019			0.035						
2/18/2020	0.15					0.012			
2/19/2020		0.013							

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							0.049		
2/21/2020			0.03						
2/24/2020								0.033	
3/18/2020	0.14	0.013							
3/19/2020						0.013		0.034	
3/20/2020			0.033						
3/23/2020							0.042		
5/22/2020				0.046					0.036
5/25/2020					0.12				
6/23/2020				0.065	0.067				0.029
7/28/2020				0.081	0.098				0.049
9/2/2020				0.058					0.04
9/3/2020					0.067				
9/23/2020	0.14	0.014				0.01			
9/24/2020							0.041		
9/25/2020			0.028					0.038	
10/1/2020				0.058	0.073				0.039
11/10/2020				0.057	0.071				0.037
12/15/2020				0.059	0.073				0.042
1/20/2021				0.058	0.071				0.042
2/16/2021	0.15	0.013							
2/17/2021				0.06	0.064				
2/18/2021						0.012	0.039		0.036
2/19/2021			0.03					0.043	
3/23/2021		0.013							
3/24/2021								0.039	0.032
3/25/2021				0.057	0.091				
3/26/2021	0.14								
3/30/2021							0.041		
3/31/2021						0.052			
4/1/2021			0.035						
8/16/2021	0.13	0.017		0.06	0.074	0.044			
8/18/2021							0.036	0.042	0.04
8/25/2021			0.029						
2/9/2022	0.12			0.057	0.054	0.043			0.022
2/10/2022		0.011							
2/11/2022							0.044	0.043	
2/16/2022			0.031						
7/26/2022	0.12	0.013		0.056	0.025	0.016			0.038
7/27/2022								0.045	
7/28/2022							0.042		
8/3/2022			0.061						
1/24/2023	0.1	0.012		0.059	0.024				
1/25/2023						0.064			
1/26/2023								0.052	0.025
1/27/2023							0.04		
2/2/2023			0.085						
8/15/2023				0.055		0.014			
8/16/2023		0.015			0.03			0.049	0.041
8/17/2023							0.039		
8/21/2023	0.11								
8/23/2023			0.05						

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	0.027
8/9/2016	
8/10/2016	
8/11/2016	0.0292
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0295
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.0367
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0315
4/13/2017	
4/14/2017	
4/18/2017	0.0272
5/25/2017	
5/30/2017	0.0316
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.029
3/26/2018	
3/27/2018	0.027
3/28/2018	
6/12/2018	0.029
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.026
2/25/2019	0.028
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.025
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.031
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.026
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.027
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.028
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.028
2/19/2021	
3/23/2021	
3/24/2021	0.028
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.027
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.03
2/16/2022	
7/26/2022	
7/27/2022	0.033
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.033
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.034
8/21/2023	
8/23/2023	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.017								
6/8/2016		0.039	0.036	0.036	0.054	0.092			0.038
6/9/2016							0.11	0.14	
8/11/2016	0.0152								
8/12/2016		0.031	0.0412	0.0283					
8/15/2016									0.0321
8/18/2016					0.0479	0.0953	0.0893	0.113	
10/7/2016	0.0225	0.0427	0.0427						
10/10/2016				0.0288	0.0433	0.0954	0.0839	0.0888	0.0283
12/6/2016	0.0171	0.0398							
12/7/2016			0.0338	0.0279			0.0912	0.0289	
12/8/2016					0.0474	0.0991			0.0294
1/23/2017									
2/7/2017									
2/16/2017	0.0187	0.0309	0.0407						
2/17/2017				0.0316	0.0483	0.0927			
2/20/2017							0.0813	0.0999	0.0275
3/27/2017									
4/17/2017									
4/19/2017	0.0183	0.0325	0.042	0.0367	0.0486		0.087	0.114	
4/20/2017						0.086			0.0279
5/22/2017									
5/30/2017	0.0179								
6/1/2017		0.0331	0.0341	0.0361	0.0468				0.0313
6/5/2017						0.0875	0.084	0.135	
7/11/2017									
7/14/2017	0.0191	0.0349	0.0405						
7/17/2017							0.0809	0.134	0.0251
7/18/2017				0.0346	0.0494				
7/19/2017						0.0877			
8/23/2017									
3/26/2018									
3/27/2018	0.015	0.027	0.029						
3/28/2018				0.03	0.043				0.018
3/29/2018						0.088	0.085	0.08	
6/13/2018				0.031			0.091	0.1	
6/14/2018	0.016	0.032			0.042	0.093			0.019
6/15/2018			0.032						
10/17/2018	0.015								
10/18/2018		0.033							
10/19/2018			0.037		0.038				
10/22/2018				0.03		0.088	0.087	0.1	0.018
2/27/2019	0.014	0.027		0.032					
3/1/2019			0.028			0.087	0.097	0.12	0.021
4/2/2019	0.015	0.028							
4/3/2019			0.033	0.029	0.033	0.082	0.087	0.095	
4/4/2019									0.016
9/26/2019	0.023	0.042	0.049	0.032					
9/27/2019						0.095	0.11		
9/30/2019					0.036			0.098	0.016
2/24/2020	0.014	0.028	0.024	0.033					
2/25/2020						0.062	0.12		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					0.024			0.1	0.015
3/19/2020	0.017								
3/20/2020		0.031	0.034		0.03	0.075			
3/23/2020				0.032			0.11		
3/24/2020									0.015
3/25/2020								0.096	
9/24/2020	0.022	0.031			0.031	0.093	0.12		
9/25/2020								0.088	
9/28/2020			0.03	0.032					0.016
2/18/2021	0.017	0.034	0.026	0.039					
2/19/2021					0.03	0.086	0.12	0.081	
2/23/2021									0.019
3/8/2021									
3/24/2021	0.018	0.031							
3/25/2021									
3/26/2021			0.028				0.12	0.075	0.018
3/29/2021				0.033	0.025	0.079			
8/19/2021	0.015	0.029							0.019
8/20/2021			0.035	0.034	0.024				
8/23/2021						0.073	0.11	0.077	
2/11/2022	0.015								
2/14/2022							0.11		
2/15/2022						0.074		0.077	
2/16/2022		0.032	0.036	0.035	0.028				0.019
7/27/2022	0.015	0.029	0.039	0.032					0.016
7/28/2022					0.025				
8/1/2022							0.099		
8/2/2022						0.074		0.022	
10/21/2022								0.057 (R)	
1/26/2023	0.015	0.034							
1/27/2023			0.023		0.021				0.015
1/30/2023				0.036					
2/1/2023								0.052	
2/2/2023							0.088		
2/7/2023						0.058			
8/17/2023	0.015	0.033							0.013
8/18/2023			0.034	0.035					
8/21/2023									
8/22/2023						0.068			
8/23/2023					0.036		0.06		
8/25/2023								0.045	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.237
2/7/2017	0.191
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.197
4/17/2017	0.192
4/19/2017	
4/20/2017	
5/22/2017	0.197
5/30/2017	
6/1/2017	
6/5/2017	0.201
7/11/2017	0.179
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.15
3/26/2018	0.1
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.087
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.1
2/27/2019	
3/1/2019	0.078
4/2/2019	0.075
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.08
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	0.062
3/19/2020	
3/20/2020	
3/23/2020	0.075
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.07
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.074
3/24/2021	
3/25/2021	0.06
3/26/2021	
3/29/2021	
8/19/2021	0.094
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.072
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.061
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.062
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	0.051
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.11				
10/18/2018	0.055								
10/19/2018			0.038						
10/22/2018		0.096		0.065					
4/2/2019					0.074				
4/4/2019	0.032		0.031	0.071					
4/5/2019		0.085							
9/24/2019	0.038		0.036						
9/26/2019		0.12		0.085					
9/27/2019					0.084				
2/25/2020				0.099		0.12			
2/26/2020	0.033				0.064				
2/27/2020		0.092	0.036				0.24	0.06	
2/28/2020									0.045
3/23/2020	0.038				0.062				
3/24/2020		0.094	0.043			0.1	0.17	0.04	
3/25/2020				0.12					0.048
9/2/2020							0.19		
9/25/2020		0.14		0.11		0.1			
9/28/2020	0.038		0.042		0.067				
9/29/2020								0.096	0.047
2/19/2021			0.053						
2/22/2021	0.041			0.091		0.09		0.054	0.061
2/23/2021		0.13							
3/8/2021					0.073				
3/9/2021							0.096		
3/25/2021					0.073				
3/26/2021				0.07		0.089			
3/29/2021	0.039						0.082		
3/30/2021		0.13	0.048						0.06
3/31/2021								0.06	
8/19/2021							0.14		
8/20/2021	0.041			0.069		0.09			
8/23/2021					0.066				
8/24/2021			0.048					0.065	0.053
8/25/2021		0.099							
2/14/2022					0.064		0.15		
2/15/2022									
2/16/2022	0.042	0.096	0.052					0.067	0.055
2/17/2022				0.071		0.087			
7/28/2022	0.039		0.051	0.06		0.094			0.047
7/29/2022		0.09			0.062				
8/2/2022							0.12	0.07	
1/27/2023	0.042								
1/30/2023			0.055	0.059		0.087			
1/31/2023		0.1							0.047
2/1/2023					0.058				
2/2/2023								0.039	
2/7/2023							0.11		
8/18/2023	0.041	0.079	0.052						0.038
8/21/2023					0.06		0.1		
8/23/2023								0.072	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/24/2023				0.056		0.095			

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.046
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.053
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.058
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.06
8/25/2021	
2/14/2022	
2/15/2022	0.063
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.06
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	0.071
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	0.065

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

8/24/2023

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.0051
6/8/2016								0.048	
8/10/2016									0.0264
8/11/2016								0.0428	
10/4/2016									0.0316
10/5/2016									
10/6/2016								0.0404	
12/2/2016									0.026
12/5/2016									
12/6/2016								0.0385	
2/14/2017									0.0299
2/15/2017								0.039	
4/14/2017									0.0275
4/17/2017									
4/18/2017								0.0392	
5/26/2017									0.0328
6/2/2017								0.0407	
7/10/2017									0.0305
7/11/2017									
7/14/2017								0.0394	
3/26/2018									0.029
3/27/2018								0.039	
6/12/2018									0.031
6/13/2018								0.038	
10/16/2018									0.034
10/17/2018									
10/18/2018								0.037	
2/25/2019									0.03
2/28/2019								0.041	
4/1/2019									0.025
4/2/2019								0.031	
9/24/2019								0.035	0.03
2/19/2020									0.032
2/20/2020									
2/21/2020								0.03	
3/18/2020									0.028
3/19/2020								0.031	
9/3/2020	0.087	0.083	0.02						
9/23/2020									0.029
9/24/2020									
9/25/2020								0.03	
1/28/2021						0.061	0.076		
2/16/2021									0.028
2/17/2021									
2/18/2021				0.026				0.031	
2/22/2021	0.13								
2/23/2021						0.054	0.095		
3/8/2021		0.068							
3/24/2021									0.027
3/29/2021		0.065							
3/30/2021						0.051	0.084	0.035	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.034
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0305
10/4/2016	
10/5/2016	0.0289
10/6/2016	
12/2/2016	
12/5/2016	0.0269
12/6/2016	
2/14/2017	
2/15/2017	0.0299
4/14/2017	
4/17/2017	0.0318
4/18/2017	
5/26/2017	0.0341
6/2/2017	
7/10/2017	
7/11/2017	0.0355
7/14/2017	
3/26/2018	
3/27/2018	0.026
6/12/2018	0.024
6/13/2018	
10/16/2018	
10/17/2018	0.037
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.027
4/2/2019	
9/24/2019	0.035
2/19/2020	
2/20/2020	0.025
2/21/2020	
3/18/2020	
3/19/2020	0.028
9/3/2020	
9/23/2020	
9/24/2020	0.031
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.03
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.026
3/29/2021	
3/30/2021	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.025
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.026
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.029
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.027
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.03
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.0005					<0.0005			
6/7/2016							<0.0005	<0.0005	
8/9/2016	<0.0005								
8/10/2016						<0.0005			
8/11/2016									
8/12/2016								<0.0005	
8/16/2016							<0.0005		
8/22/2016		<0.0005							
10/3/2016	<0.0005								
10/4/2016		<0.0005				<0.0005			
10/6/2016								<0.0005	
10/7/2016							<0.0005		
11/29/2016	<0.0005								
12/1/2016		<0.0005				<0.0005			
12/5/2016								<0.0005	
12/6/2016							<0.0005		
1/10/2017		<0.0005							
2/13/2017	<0.0005								
2/14/2017		<0.0005				<0.0005			
2/15/2017								<0.0005	
2/16/2017							<0.0005		
4/13/2017	<0.0005					<0.0005			
4/14/2017		<0.0005							
4/18/2017							<0.0005	<0.0005	
5/25/2017	<0.0005	<0.0005				<0.0005			
5/30/2017									
6/2/2017							<0.0005	<0.0005	
7/7/2017	<0.0005					<0.0005			
7/10/2017		<0.0005							
7/12/2017							<0.0005		
7/13/2017								<0.0005	
7/14/2017									
3/26/2018	<0.0005	<0.0005							
3/27/2018							<0.0005		
3/28/2018								<0.0005	
2/25/2019	<0.0005								
2/27/2019		<0.0005							
2/28/2019							<0.0005	7.6E-05 (J)	
4/1/2019	<0.0005	<0.0005						<0.0005	
4/2/2019						<0.0005	<0.0005		
4/3/2019			<0.0005						
9/23/2019	<0.0005	<0.0005				<0.0005			
9/25/2019							<0.0005	<0.0005	
9/26/2019									
9/27/2019			<0.0005						
2/18/2020	<0.0005					<0.0005			
2/19/2020		<0.0005							
2/20/2020							<0.0005		
2/21/2020			<0.0005						
2/24/2020								<0.0005	
3/18/2020	<0.0005	<0.0005							
3/19/2020						<0.0005		<0.0005	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.0005						
3/23/2020							<0.0005		
5/22/2020				<0.0005					<0.0005
5/25/2020					<0.0005				
6/23/2020				<0.0005	<0.0005				<0.0005
7/28/2020				<0.0005	<0.0005				<0.0005
9/2/2020				<0.0005					<0.0005
9/3/2020					<0.0005				
9/23/2020	<0.0005	<0.0005				<0.0005			
9/24/2020							<0.0005		
9/25/2020			<0.0005					<0.0005	
10/1/2020				<0.0005	5.7E-05 (J)				<0.0005
11/10/2020				<0.0005	<0.0005				<0.0005
12/15/2020				<0.0005	<0.0005				<0.0005
1/20/2021				<0.0005	<0.0005				<0.0005
2/16/2021	<0.0005	<0.0005							
2/17/2021				<0.0005	<0.0005				
2/18/2021						<0.0005	<0.0005		<0.0005
2/19/2021			<0.0005					4.6E-05 (J)	
3/23/2021		<0.0005							
3/24/2021								<0.0005	<0.0005
3/25/2021				<0.0005	<0.0005				
3/26/2021	<0.0005								
3/30/2021							<0.0005		
3/31/2021						<0.0005			
4/1/2021			<0.0005						
8/16/2021	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
8/18/2021							<0.0005	<0.0005	<0.0005
8/25/2021			<0.0005						
2/9/2022	<0.0005			<0.0005	<0.0005	<0.0005			<0.0005
2/10/2022		<0.0005							
2/11/2022							<0.0005	<0.0005	
2/16/2022			<0.0005						
7/26/2022	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			<0.0005
7/27/2022								<0.0005	
7/28/2022							<0.0005		
8/3/2022			<0.0005						
1/24/2023	<0.0005	<0.0005		<0.0005	<0.0005				
1/25/2023						<0.0005			
1/26/2023								<0.0005	<0.0005
1/27/2023							<0.0005		
2/2/2023			<0.0005						
8/15/2023				<0.0005		<0.0005			
8/16/2023		<0.0005			<0.0005			<0.0005	<0.0005
8/17/2023							<0.0005		
8/21/2023	<0.0005								
8/23/2023			<0.0005						

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.0005
8/9/2016	
8/10/2016	
8/11/2016	<0.0005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.0005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.0005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.0005
4/13/2017	
4/14/2017	
4/18/2017	<0.0005
5/25/2017	
5/30/2017	<0.0005
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.0005
3/26/2018	
3/27/2018	<0.0005
3/28/2018	
2/25/2019	8.7E-05 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	6.3E-05 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	8E-05 (J)
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	0.00012 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00012 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.00011 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.00013 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.00014 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.00013 (J)
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.00013 (J)
2/16/2022	
7/26/2022	
7/27/2022	0.00017 (J)
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.00015 (J)
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.00017 (J)
8/21/2023	
8/23/2023	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.0005								
6/8/2016		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
6/9/2016							<0.0005	<0.0005	
8/11/2016	<0.0005								
8/12/2016		<0.0005	<0.0005	<0.0005					
8/15/2016									<0.0005
8/18/2016					<0.0005	<0.0005	<0.0005	<0.0005	
10/7/2016	<0.0005	<0.0005	<0.0005						
10/10/2016				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
12/6/2016	<0.0005	<0.0005							
12/7/2016			<0.0005	<0.0005			<0.0005	<0.0005	
12/8/2016					<0.0005	<0.0005			<0.0005
1/23/2017									
2/7/2017									
2/16/2017	<0.0005	<0.0005	<0.0005						
2/17/2017				<0.0005	<0.0005	<0.0005			
2/20/2017							<0.0005	<0.0005	<0.0005
3/27/2017									
4/17/2017									
4/19/2017	<0.0005	<0.0005	8E-05 (J)	<0.0005	<0.0005		<0.0005	<0.0005	
4/20/2017						<0.0005			<0.0005
5/22/2017									
5/30/2017	<0.0005								
6/1/2017		9E-05 (J)	7E-05 (J)	<0.0005	<0.0005				<0.0005
6/5/2017						<0.0005	<0.0005	<0.0005	
7/11/2017									
7/14/2017	<0.0005	<0.0005	<0.0005						
7/17/2017							<0.0005	<0.0005	<0.0005
7/18/2017				<0.0005	<0.0005				
7/19/2017						<0.0005			
8/23/2017									
3/26/2018									
3/27/2018	<0.0005	<0.0005	<0.0005						
3/28/2018				<0.0005	<0.0005				<0.0005
3/29/2018						<0.0005	<0.0005	<0.0005	
2/27/2019	<0.0005	0.00011 (J)		<0.0005					
3/1/2019			<0.0005			0.00012 (J)	<0.0005	<0.0005	<0.0005
4/2/2019	<0.0005	5.2E-05 (J)							
4/3/2019			<0.0005	<0.0005	<0.0005	6.7E-05 (J)	<0.0005	<0.0005	
4/4/2019									<0.0005
9/26/2019	<0.0005	<0.0005	<0.0005	<0.0005					
9/27/2019						9.9E-05 (J)	<0.0005		
9/30/2019					<0.0005			9.3E-05 (J)	<0.0005
2/24/2020	<0.0005	<0.0005	<0.0005	<0.0005					
2/25/2020						9.3E-05 (J)	<0.0005		
2/26/2020					<0.0005			0.0001 (J)	<0.0005
3/19/2020	<0.0005								
3/20/2020		7.6E-05 (J)	<0.0005		<0.0005	8.8E-05 (J)			
3/23/2020				<0.0005			<0.0005		
3/24/2020									<0.0005
3/25/2020								0.0001 (J)	
9/24/2020	5.4E-05 (J)	<0.0005			<0.0005	0.00012 (J)	5.4E-05 (J)		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.00013 (J)	
9/28/2020			8.8E-05 (J)	<0.0005					<0.0005
2/18/2021	6.5E-05 (J)	6.8E-05 (J)	5.2E-05 (J)	<0.0005					
2/19/2021					<0.0005	0.00013 (J)	<0.0005	0.00018 (J)	
2/23/2021									<0.0005
3/8/2021									
3/24/2021	<0.0005	6.1E-05 (J)							
3/25/2021									
3/26/2021			5.5E-05 (J)				<0.0005	<0.0005	<0.0005
3/29/2021				<0.0005	<0.0005	0.00011 (J)			
8/19/2021	6.1E-05 (J)	<0.0005							<0.0005
8/20/2021			8.7E-05 (J)	<0.0005	<0.0005				
8/23/2021						0.00011 (J)	<0.0005	0.00017 (J)	
2/11/2022	<0.0005								
2/14/2022							<0.0005		
2/15/2022						0.00012 (J)		0.00027 (J)	
2/16/2022		6.3E-05 (J)	0.0001 (J)	<0.0005	<0.0005				<0.0005
7/27/2022	5.8E-05 (J)	<0.0005	6.1E-05 (J)	<0.0005					<0.0005
7/28/2022					<0.0005				
8/1/2022							<0.0005		
8/2/2022						0.00012 (J)		<0.0005	
10/21/2022								0.00022 (JR)	
1/26/2023	<0.0005	0.0001 (J)							
1/27/2023			<0.0005		<0.0005				<0.0005
1/30/2023				<0.0005					
2/1/2023								0.00031 (J)	
2/2/2023							<0.0005		
2/7/2023						0.00013 (J)			
8/17/2023	5.7E-05 (J)	<0.0005							<0.0005
8/18/2023			<0.0005	<0.0005					
8/21/2023									
8/22/2023						0.00014 (J)			
8/23/2023					<0.0005		<0.0005		
8/25/2023								0.00024 (J)	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	<0.0005
2/7/2017	<0.0005
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	<0.0005
4/17/2017	<0.0005
4/19/2017	
4/20/2017	
5/22/2017	<0.0005
5/30/2017	
6/1/2017	
6/5/2017	<0.0005
7/11/2017	<0.0005
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	<0.0005
3/26/2018	<0.0005
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.0005
4/2/2019	<0.0005
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	<0.0005
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	<0.0005
3/19/2020	
3/20/2020	
3/23/2020	<0.0005
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	<0.0005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.0005
3/24/2021	
3/25/2021	<0.0005
3/26/2021	
3/29/2021	
8/19/2021	<0.0005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.0005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.0005
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.0005
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	<0.0005
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					7E-05 (J)				
4/4/2019	<0.0005		<0.0005	<0.0005					
4/5/2019		<0.0005							
9/24/2019	<0.0005		<0.0005						
9/26/2019		<0.0005		<0.0005					
9/27/2019					<0.0005				
2/25/2020				<0.0005		<0.0005			
2/26/2020	<0.0005				<0.0005				
2/27/2020		<0.0005	<0.0005				8.8E-05 (J)	<0.0005	
2/28/2020									<0.0005
3/23/2020	<0.0005				<0.0005				
3/24/2020		<0.0005	<0.0005			<0.0005	<0.0005	7.9E-05 (J)	
3/25/2020				<0.0005					<0.0005
9/2/2020							6E-05 (J)		
9/25/2020		<0.0005		<0.0005		<0.0005			
9/28/2020	<0.0005		<0.0005		<0.0005				
9/29/2020								<0.0005	<0.0005
2/19/2021			<0.0005						
2/22/2021	<0.0005			<0.0005		<0.0005		<0.0005	<0.0005
2/23/2021		<0.0005							
3/8/2021					<0.0005				
3/9/2021							<0.0005		
3/25/2021					<0.0005				
3/26/2021				<0.0005		<0.0005			
3/29/2021	<0.0005						<0.0005		
3/30/2021		<0.0005	<0.0005						<0.0005
3/31/2021								<0.0005	
8/19/2021							5.9E-05 (J)		
8/20/2021	<0.0005			<0.0005		<0.0005			
8/23/2021					<0.0005				
8/24/2021			<0.0005					<0.0005	<0.0005
8/25/2021		<0.0005							
2/14/2022					<0.0005		<0.0005		
2/15/2022									
2/16/2022	<0.0005	<0.0005	<0.0005					<0.0005	<0.0005
2/17/2022				<0.0005		<0.0005			
7/28/2022	<0.0005		<0.0005	<0.0005		<0.0005			<0.0005
7/29/2022		<0.0005			<0.0005				
8/2/2022							5.4E-05 (J)	<0.0005	
1/27/2023	<0.0005								
1/30/2023			<0.0005	<0.0005		<0.0005			
1/31/2023		<0.0005							<0.0005
2/1/2023					<0.0005				
2/2/2023								<0.0005	
2/7/2023							8.7E-05 (J)		
8/18/2023	<0.0005	<0.0005	<0.0005						<0.0005
8/21/2023					<0.0005		<0.0005		
8/23/2023								<0.0005	
8/24/2023				<0.0005		<0.0005			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.0005
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.0005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.0005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.0005
8/25/2021	
2/14/2022	
2/15/2022	<0.0005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.0005
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.0005
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	<0.0005
8/24/2023	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.0005
6/8/2016								<0.0005	
8/10/2016									<0.0005
8/11/2016								<0.0005	
10/4/2016									<0.0005
10/5/2016									
10/6/2016								<0.0005	
12/2/2016									<0.0005
12/5/2016									
12/6/2016								<0.0005	
2/14/2017									<0.0005
2/15/2017								<0.0005	
4/14/2017									<0.0005
4/17/2017									
4/18/2017								<0.0005	
5/26/2017									<0.0005
6/2/2017								<0.0005	
7/10/2017									<0.0005
7/11/2017									
7/14/2017								<0.0005	
3/26/2018									<0.0005
3/27/2018								<0.0005	
2/25/2019									<0.0005
2/28/2019								<0.0005	
4/1/2019									<0.0005
4/2/2019								<0.0005	
9/24/2019								<0.0005	<0.0005
2/19/2020									<0.0005
2/20/2020									
2/21/2020								<0.0005	
3/18/2020									<0.0005
3/19/2020								<0.0005	
9/3/2020	<0.0005	<0.0005	<0.0005						
9/23/2020									<0.0005
9/24/2020									
9/25/2020								<0.0005	
1/28/2021						8.3E-05 (J)	<0.0005		
2/16/2021									<0.0005
2/17/2021									
2/18/2021				<0.0005				<0.0005	
2/22/2021	<0.0005								
2/23/2021						0.00011 (J)	<0.0005		
3/8/2021		<0.0005							
3/24/2021									<0.0005
3/29/2021		<0.0005							
3/30/2021						0.00021 (J)	5.2E-05 (J)	<0.0005	
3/31/2021				<0.0005					
4/1/2021	<0.0005								
4/19/2021				<0.0005	<0.0005				
8/18/2021				<0.0005	<0.0005				<0.0005
8/19/2021								<0.0005	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.0005								
8/23/2021		<0.0005				0.00013 (J)	<0.0005		
8/24/2021				<0.0005					
2/9/2022			<0.0005		<0.0005				
2/10/2022									<0.0005
2/11/2022								<0.0005	
2/14/2022						7E-05 (J)	<0.0005		
2/15/2022		<0.0005							
2/17/2022	<0.0005			<0.0005					
7/26/2022			<0.0005		<0.0005				<0.0005
7/28/2022	<0.0005						<0.0005	<0.0005	
8/1/2022		<0.0005		<0.0005		<0.0005			
1/25/2023			<0.0005		<0.0005				
1/26/2023								<0.0005	<0.0005
1/30/2023	<0.0005								
1/31/2023						7.2E-05 (J)	<0.0005		
2/1/2023				<0.0005					
2/7/2023		<0.0005							
8/15/2023			<0.0005		<0.0005				
8/16/2023									<0.0005
8/17/2023								<0.0005	
8/21/2023						<0.0005			
8/22/2023				<0.0005			<0.0005		
8/23/2023		<0.0005							
8/24/2023	<0.0005								

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.0005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.0005
10/4/2016	
10/5/2016	<0.0005
10/6/2016	
12/2/2016	
12/5/2016	<0.0005
12/6/2016	
2/14/2017	
2/15/2017	<0.0005
4/14/2017	
4/17/2017	<0.0005
4/18/2017	
5/26/2017	<0.0005
6/2/2017	
7/10/2017	
7/11/2017	<0.0005
7/14/2017	
3/26/2018	
3/27/2018	<0.0005
2/25/2019	
2/28/2019	
4/1/2019	<0.0005
4/2/2019	
9/24/2019	<0.0005
2/19/2020	
2/20/2020	<0.0005
2/21/2020	
3/18/2020	
3/19/2020	<0.0005
9/3/2020	
9/23/2020	
9/24/2020	<0.0005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.0005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.0005
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.0005
8/19/2021	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.0005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.0005
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.0005
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.0005
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.04					<0.05			
6/7/2016							0.37	1.1	
8/9/2016	0.0336 (J)								
8/10/2016						0.0876 (J)			
8/11/2016									
8/12/2016								0.867	
8/16/2016							0.525		
8/22/2016		0.0132 (J)							
10/3/2016	0.0226 (J)								
10/4/2016		0.0065 (J)				0.0145 (J)			
10/6/2016								0.863	
10/7/2016							0.492		
11/29/2016	0.0085 (J)								
12/1/2016		<0.04				0.0146 (J)			
12/5/2016								0.879	
12/6/2016							0.515		
1/10/2017		<0.04							
2/13/2017	<0.04								
2/14/2017		<0.04				0.0114 (J)			
2/15/2017								0.886	
2/16/2017							0.482		
4/13/2017	0.0084 (J)					0.0195 (J)			
4/14/2017		<0.04							
4/18/2017							0.515	0.941	
5/25/2017	0.01 (J)	<0.04				0.0179 (J)			
5/30/2017									
6/2/2017							0.513	1.02	
7/7/2017	0.009 (J)					0.019 (J)			
7/10/2017		<0.04							
7/12/2017							0.508		
7/13/2017								0.945	
7/14/2017									
10/9/2017	0.0063 (J)					0.0271 (J)			
10/10/2017		<0.04						0.908	
10/11/2017							0.486		
6/12/2018	0.0058 (J)	0.0056 (J)							
6/14/2018							0.54	1	
10/16/2018	0.0066 (J)	0.0071 (J)				0.0088 (J)			
10/17/2018								1	
10/18/2018							0.49		
4/1/2019	0.0076 (J)	0.0048 (J)						0.86 (J)	
4/2/2019						0.037 (J)	0.51 (J)		
4/3/2019			0.66 (o)						
5/2/2019	0.015 (J)								
7/9/2019			0.027 (J)						
9/23/2019	0.0069 (J)	0.0052 (J)				0.0099 (J)			
9/25/2019							0.49	1.1	
9/26/2019									
9/27/2019			0.033 (J)						
2/18/2020						0.017 (J)			
2/19/2020		0.0057 (J)							
2/21/2020			0.02 (J)						

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/18/2020	0.016 (J)	0.0054 (J)							
3/19/2020						0.021 (J)		1	
3/20/2020			0.043 (J)						
3/23/2020							0.5		
5/22/2020				0.024 (J)					0.54
5/25/2020					0.018 (J)				
6/23/2020				0.019 (J)	0.015 (J)				0.45
7/28/2020				0.03 (J)	0.024 (J)				0.97
9/2/2020				0.022 (J)					1.1
9/3/2020					0.022 (J)				
9/23/2020	0.0086 (J)	<0.04				0.0081 (J)			
9/24/2020							0.47		
9/25/2020			0.02 (J)					1	
10/1/2020				0.025 (J)	0.027 (J)				1.2
11/10/2020				0.025 (J)	0.032 (J)				1.1
12/15/2020				0.031 (J)	0.034 (J)				1.2
1/20/2021				0.022 (J)	0.034 (J)				1.1
3/23/2021		<0.04							
3/24/2021								1.2	0.6
3/25/2021				0.017 (J)	0.026 (J)				
3/26/2021	0.0094 (J)								
3/30/2021							0.56		
3/31/2021						0.013 (J)			
4/1/2021			0.0069 (J)						
8/16/2021	0.013 (J)	<0.04		0.021 (J)	0.034 (J)	0.012 (J)			
8/18/2021							0.51	1.2	1.3
8/25/2021			0.0093 (J)						
2/9/2022	0.0099 (J)			0.017 (J)	0.038 (J)	0.019 (J)			0.57
2/10/2022		0.012 (J)							
2/11/2022							0.5	1.2	
2/16/2022			0.01 (J)						
7/26/2022	0.014 (J)	0.013 (J)		0.022 (J)	0.017 (J)	0.017 (J)			1.3
7/27/2022								1.2	
7/28/2022							0.52		
8/3/2022			0.015 (J)						
1/24/2023	0.01 (J)	<0.04		0.016 (J)	0.014 (J)				
1/25/2023						0.02 (J)			
1/26/2023								1.3	0.69
1/27/2023							0.53		
2/2/2023			0.0092 (J)						
8/15/2023				0.034 (J)		0.012 (J)			
8/16/2023		<0.04			0.01 (J)			1.4	1.7
8/17/2023							0.57		
8/21/2023	<0.04								
8/23/2023			<0.04						

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	1.7
8/9/2016	
8/10/2016	
8/11/2016	1.37
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	1.49
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	1.65
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	1.73
4/13/2017	
4/14/2017	
4/18/2017	1.77
5/25/2017	
5/30/2017	1.52
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	1.26
10/9/2017	
10/10/2017	
10/11/2017	1.36
6/12/2018	1.3
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	1.3
4/1/2019	
4/2/2019	1.1
4/3/2019	
5/2/2019	
7/9/2019	
9/23/2019	
9/25/2019	
9/26/2019	1.5
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/18/2020	
3/19/2020	1.3
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	1.3
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	1.3
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	1.5
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	1.5
2/16/2022	
7/26/2022	
7/27/2022	1.7
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	1.6
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	1.9
8/21/2023	
8/23/2023	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	1.5								
6/8/2016		1.2	0.49	2.6	0.12	7.6			0.029 (J)
6/9/2016							12	26	
8/11/2016	1.41								
8/12/2016		0.895	0.647	2.74					
8/15/2016									0.0228 (J)
8/18/2016					0.191	8.37	5.2	22	
10/7/2016	1.76	1.33	0.868						
10/10/2016				3	0.13	9.46	6.13	18.1	0.0305 (J)
12/6/2016	1.79	1.5							
12/7/2016			0.51	3.08			5.7	9.19	
12/8/2016					0.144	11.1			0.0164 (J)
1/23/2017									
2/7/2017									
2/16/2017	1.63	0.753	0.68						
2/17/2017				3.63	0.0685	12.2			
2/20/2017							5.7	31.4	0.0154 (J)
3/27/2017									
4/17/2017									
4/19/2017	1.47	0.762	0.701	4.68	0.0743		8.79	31.4	
4/20/2017						13.3			0.0283 (J)
5/22/2017									
5/30/2017	1.7								
6/1/2017		0.663	0.383	3.57	0.0499				0.0467
6/5/2017						9.19	6.39	29	
7/11/2017									
7/14/2017	1.26	0.787	0.645						
7/17/2017							7.06	33.8	0.0171 (J)
7/18/2017				3.37	0.0544				
7/19/2017						10.6			
8/23/2017									
10/10/2017									
10/11/2017	1.37	0.889	0.594	3.54			7.18	31.7	0.0141 (J)
10/12/2017					0.0494	12.7			
6/13/2018				3.6			8.3	30.1	
6/14/2018	1.4	0.75			0.035 (J)	11			0.017 (J)
6/15/2018			0.44						
10/17/2018	1.4								
10/18/2018		0.8							
10/19/2018			0.65		0.028 (J)				
10/22/2018				3.6		16.1	9	44.7	0.03 (J)
4/2/2019	0.95 (J)	0.56 (J)							
4/3/2019			0.51	2.6	0.12	7.9	6.5	23.3	
4/4/2019									0.02 (J)
5/2/2019						10.1			
9/26/2019	2.5	1.1	0.96	4.4					
9/27/2019						16.4	12		
9/30/2019					0.04 (J)			36.8	0.038 (J)
2/25/2020						11.2			
2/26/2020									
3/19/2020	1								
3/20/2020		0.53	0.29		0.03 (J)	11.1			

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	18.6
2/7/2017	20.4
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	19.1
4/17/2017	21.8
4/19/2017	
4/20/2017	
5/22/2017	26
5/30/2017	
6/1/2017	
6/5/2017	18.6
7/11/2017	25
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	20.2
10/10/2017	17
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	8.5
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	9.5
4/2/2019	6.1 (J)
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	2.4
9/30/2019	
2/25/2020	
2/26/2020	1.5
3/19/2020	
3/20/2020	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	2.4
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	2.1
9/28/2020	
3/24/2021	
3/25/2021	1.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	1.4
8/19/2021	2.6
8/20/2021	
8/23/2021	
11/1/2021	3.2
2/11/2022	
2/14/2022	3.5
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	2.7
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	3.2
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	2.3
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/24/2023				12.3		1.6			

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	1.1
9/2/2020	0.91
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	1.1
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	1.1
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	1.2
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	1.3
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	1.5
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	1.4

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

8/24/2023

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.55
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.612
10/4/2016	
10/5/2016	0.659
10/6/2016	
12/2/2016	
12/5/2016	0.71
12/6/2016	
2/14/2017	
2/15/2017	0.707
4/14/2017	
4/17/2017	0.675
4/18/2017	
5/26/2017	0.711
6/2/2017	
7/10/2017	
7/11/2017	0.633
7/14/2017	
10/10/2017	0.619
10/11/2017	
6/12/2018	0.56
6/13/2018	
10/16/2018	
10/17/2018	0.61
10/18/2018	
4/1/2019	0.5
4/2/2019	
9/24/2019	0.51
3/18/2020	
3/19/2020	0.41
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.44
9/25/2020	
1/28/2021	
2/23/2021	
3/24/2021	0.45
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	0.47
8/19/2021	
8/20/2021	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.46
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.47
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.41
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.56
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.0005					<0.0005			
6/7/2016							<0.0005	<0.0005	
8/9/2016	<0.0005								
8/10/2016						<0.0005			
8/11/2016									
8/12/2016								<0.0005	
8/16/2016							<0.0005		
8/22/2016		<0.0005							
10/3/2016	<0.0005								
10/4/2016		<0.0005				<0.0005			
10/6/2016								<0.0005	
10/7/2016							<0.0005		
11/29/2016	<0.0005								
12/1/2016		<0.0005				<0.0005			
12/5/2016								<0.0005	
12/6/2016							<0.0005		
1/10/2017		9E-05 (J)							
2/13/2017	<0.0005								
2/14/2017		<0.0005				<0.0005			
2/15/2017								<0.0005	
2/16/2017							<0.0005		
4/13/2017	<0.0005					<0.0005			
4/14/2017		<0.0005							
4/18/2017							<0.0005	<0.0005	
5/25/2017	<0.0005	<0.0005				<0.0005			
5/30/2017									
6/2/2017							<0.0005	<0.0005	
7/7/2017	<0.0005					<0.0005			
7/10/2017		<0.0005							
7/12/2017							<0.0005		
7/13/2017								<0.0005	
7/14/2017									
3/26/2018	<0.0005	<0.0005							
3/27/2018							<0.0005		
3/28/2018								<0.0005	
6/12/2018	<0.0005	<0.0005							
6/14/2018							<0.0005	<0.0005	
10/16/2018	<0.0005	<0.0005				<0.0005			
10/17/2018								<0.0005	
10/18/2018							<0.0005		
2/25/2019	<0.0005								
2/27/2019		<0.0005							
2/28/2019							<0.0005	<0.0005	
4/1/2019	<0.0005	<0.0005						<0.0005	
4/2/2019						<0.0005	<0.0005		
4/3/2019			<0.0005						
9/23/2019	<0.0005	<0.0005				<0.0005			
9/25/2019							<0.0005	<0.0005	
9/26/2019									
9/27/2019			<0.0005						
2/18/2020	<0.0005					<0.0005			
2/19/2020		<0.0005							

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							<0.0005		
2/21/2020			<0.0005						
2/24/2020								<0.0005	
3/18/2020	<0.0005	<0.0005							
3/19/2020						<0.0005		<0.0005	
3/20/2020			<0.0005						
3/23/2020							<0.0005		
5/22/2020				<0.0005					<0.0005
5/25/2020					<0.0005				
6/23/2020				<0.0005	<0.0005				<0.0005
7/28/2020				<0.0005	<0.0005				<0.0005
9/2/2020				<0.0005					0.00014 (J)
9/3/2020					<0.0005				
9/23/2020	<0.0005	<0.0005				<0.0005			
9/24/2020							<0.0005		
9/25/2020			<0.0005					<0.0005	
10/1/2020				<0.0005	<0.0005				0.00019 (J)
11/10/2020				<0.0005	<0.0005				0.00019 (J)
12/15/2020				<0.0005	<0.0005				0.00017
1/20/2021				<0.0005	<0.0005				<0.0005
2/16/2021	<0.0005	<0.0005							
2/17/2021				<0.0005	<0.0005				
2/18/2021						<0.0005	<0.0005		<0.0005
2/19/2021			<0.0005					<0.0005	
3/23/2021		<0.0005							
3/24/2021								<0.0005	0.00016 (J)
3/25/2021				<0.0005	<0.0005				
3/26/2021	0.00018 (J)								
3/30/2021							<0.0005		
3/31/2021						<0.0005			
4/1/2021			<0.0005						
8/16/2021	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
8/18/2021							<0.0005	<0.0005	0.00021 (J)
8/25/2021			<0.0005						
2/9/2022	<0.0005			<0.0005	<0.0005	<0.0005			0.00021 (J)
2/10/2022		<0.0005							
2/11/2022							<0.0005	<0.0005	
2/16/2022			<0.0005						
7/26/2022	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			0.0004 (J)
7/27/2022								<0.0005	
7/28/2022							<0.0005		
8/3/2022			<0.0005						
1/24/2023	<0.0005	<0.0005		<0.0005	<0.0005				
1/25/2023						<0.0005			
1/26/2023								<0.0005	<0.0005
1/27/2023							<0.0005		
2/2/2023			<0.0005						
8/15/2023				<0.0005		<0.0005			
8/16/2023		<0.0005			<0.0005			<0.0005	0.00057
8/17/2023							<0.0005		
8/21/2023	<0.0005								
8/23/2023			<0.0005						

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	0.0011 (J)
8/9/2016	
8/10/2016	
8/11/2016	0.0011
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0012
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.0012
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0015
4/13/2017	
4/14/2017	
4/18/2017	0.0012
5/25/2017	
5/30/2017	0.0011
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0012
3/26/2018	
3/27/2018	0.0013
3/28/2018	
6/12/2018	0.0011
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.0012
2/25/2019	0.0016
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0014
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.0017 (J)
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.0019 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.0017 (J)
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.0018 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0018
2/19/2021	
3/23/2021	
3/24/2021	0.0018
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.0018
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.0019
2/16/2022	
7/26/2022	
7/27/2022	0.0024
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.0021
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.002
8/21/2023	
8/23/2023	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.0005								
6/8/2016		0.00063 (J)	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
6/9/2016							<0.0005	0.00052 (J)	
8/11/2016	0.0001 (J)								
8/12/2016		0.0004 (J)	<0.0005	<0.0005					
8/15/2016									<0.0005
8/18/2016					<0.0005	<0.0005	<0.0005	0.0009 (J)	
10/7/2016	0.0002 (J)	0.0008 (J)	0.0001 (J)						
10/10/2016				<0.0005	<0.0005	<0.0005	<0.0005	0.0017	<0.0005
12/6/2016	0.0001 (J)	0.0006 (J)							
12/7/2016			<0.0005	<0.0005			<0.0005	0.0004 (J)	
12/8/2016					<0.0005	0.0002 (J)			<0.0005
1/23/2017									
2/7/2017									
2/16/2017	0.0001 (J)	0.0002 (J)	<0.0005						
2/17/2017				8E-05 (J)	<0.0005	<0.0005			
2/20/2017							<0.0005	0.0028	<0.0005
3/27/2017									
4/17/2017									
4/19/2017	0.0001 (J)	9E-05 (J)	<0.0005	<0.0005	<0.0005		<0.0005	0.0035	
4/20/2017						<0.0005			<0.0005
5/22/2017									
5/30/2017	0.0002 (J)								
6/1/2017		0.0003 (J)	0.0001 (J)	<0.0005	<0.0005				<0.0005
6/5/2017						<0.0005	<0.0005	0.0035	
7/11/2017									
7/14/2017	0.0002 (J)	0.0002 (J)	<0.0005						
7/17/2017							<0.0005	0.0037	<0.0005
7/18/2017				<0.0005	<0.0005				
7/19/2017						<0.0005			
8/23/2017									
3/26/2018									
3/27/2018	<0.0005	<0.0005	<0.0005						
3/28/2018				<0.0005	<0.0005				<0.0005
3/29/2018						<0.0005	<0.0005	0.0063	
6/13/2018				<0.0005			<0.0005	0.0053	
6/14/2018	0.00015 (J)	<0.0005			<0.0005	<0.0005			<0.0005
6/15/2018			<0.0005						
10/17/2018	<0.0005								
10/18/2018		0.00032 (J)							
10/19/2018			<0.0005		<0.0005				
10/22/2018				<0.0005		<0.0005	<0.0005	0.0053	<0.0005
2/27/2019	<0.0005	<0.0005		<0.0005					
3/1/2019			<0.0005			0.00013 (J)	0.00019 (J)	0.0058	<0.0005
4/2/2019	<0.0005	7.3E-05 (J)							
4/3/2019			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0053	
4/4/2019									<0.0005
9/26/2019	0.00015 (J)	<0.0005	0.0002 (J)	<0.0005					
9/27/2019						<0.0005	<0.0005		
9/30/2019					<0.0005			0.0075	<0.0005
2/24/2020	<0.0005	0.00024 (J)	<0.0005	<0.0005					
2/25/2020						<0.0005	<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					<0.0005			0.0064	<0.0005
3/19/2020	<0.0005								
3/20/2020		<0.0005	<0.0005		<0.0005	<0.0005			
3/23/2020				<0.0005			<0.0005		
3/24/2020									<0.0005
3/25/2020								0.0082	
9/24/2020	0.00024 (J)	<0.0005			<0.0005	0.00033 (J)	<0.0005		
9/25/2020								0.0081	
9/28/2020			<0.0005	<0.0005					<0.0005
2/18/2021	<0.0005	<0.0005	<0.0005	<0.0005					
2/19/2021					<0.0005	0.00038 (J)	<0.0005	0.0068	
2/23/2021									<0.0005
3/8/2021									
3/24/2021	<0.0005	<0.0005							
3/25/2021									
3/26/2021			<0.0005				<0.0005	0.0062	<0.0005
3/29/2021				<0.0005	<0.0005	<0.0005			
8/19/2021	0.00017 (J)	<0.0005							<0.0005
8/20/2021			<0.0005	<0.0005	<0.0005				
8/23/2021						0.00019 (J)	<0.0005	0.0039	
2/11/2022	0.00016 (J)								
2/14/2022							<0.0005		
2/15/2022						0.0002 (J)		0.0042	
2/16/2022		<0.0005	<0.0005	<0.0005	<0.0005				<0.0005
7/27/2022	0.00029 (J)	<0.0005	<0.0005	<0.0005					<0.0005
7/28/2022					<0.0005				
8/1/2022							<0.0005		
8/2/2022						0.00012 (J)		0.00026 (J)	
10/21/2022								0.0031 (R)	
1/26/2023	<0.0005	<0.0005							
1/27/2023			<0.0005		<0.0005				<0.0005
1/30/2023				<0.0005					
2/1/2023								0.0032	
2/2/2023							<0.0005		
2/7/2023						0.001			
8/17/2023	0.00028 (J)	<0.0005							<0.0005
8/18/2023			<0.0005	<0.0005					
8/21/2023									
8/22/2023						0.00091			
8/23/2023					<0.0005		<0.0005		
8/25/2023								0.0033	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0003 (J)
2/7/2017	0.0006 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0003 (J)
4/17/2017	0.0002 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0003 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0003 (J)
7/11/2017	0.0005 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0004 (J)
3/26/2018	<0.0005
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.0002 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	<0.0005
2/27/2019	
3/1/2019	<0.0005
4/2/2019	7.9E-05 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	<0.0005
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	<0.0005
3/19/2020	
3/20/2020	
3/23/2020	<0.0005
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.0005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.0005
3/24/2021	
3/25/2021	<0.0005
3/26/2021	
3/29/2021	
8/19/2021	<0.0005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.0005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.0005
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.0005
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	<0.0005
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					<0.0005				
10/18/2018	<0.0005								
10/19/2018			<0.0005						
10/22/2018		<0.0005		<0.0005					
4/2/2019					<0.0005				
4/4/2019	<0.0005		<0.0005	<0.0005					
4/5/2019		<0.0005							
9/24/2019	<0.0005		<0.0005						
9/26/2019		<0.0005		<0.0005					
9/27/2019					<0.0005				
2/25/2020				<0.0005		<0.0005			
2/26/2020	<0.0005				<0.0005				
2/27/2020		<0.0005	<0.0005				0.00081 (J)	<0.0005	
2/28/2020									<0.0005
3/23/2020	<0.0005				<0.0005				
3/24/2020		<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	
3/25/2020				<0.0005					<0.0005
9/2/2020							0.00032 (J)		
9/25/2020		<0.0005		<0.0005		<0.0005			
9/28/2020	<0.0005		<0.0005		<0.0005				
9/29/2020								0.0002 (J)	<0.0005
2/19/2021			<0.0005						
2/22/2021	<0.0005			<0.0005		<0.0005		0.00014 (J)	<0.0005
2/23/2021		<0.0005							
3/8/2021					<0.0005				
3/9/2021							<0.0005		
3/25/2021					<0.0005				
3/26/2021				<0.0005		<0.0005			
3/29/2021	<0.0005						<0.0005		
3/30/2021		<0.0005	<0.0005						<0.0005
3/31/2021								0.00018 (J)	
8/19/2021							<0.0005		
8/20/2021	<0.0005			<0.0005		<0.0005			
8/23/2021					<0.0005				
8/24/2021			<0.0005					0.00031 (J)	<0.0005
8/25/2021		<0.0005							
2/14/2022					<0.0005		<0.0005		
2/15/2022									
2/16/2022	<0.0005	<0.0005	<0.0005					0.00012 (J)	<0.0005
2/17/2022				<0.0005		<0.0005			
7/28/2022	<0.0005		<0.0005	<0.0005		<0.0005			<0.0005
7/29/2022		<0.0005			<0.0005				
8/2/2022							<0.0005	<0.0005	
1/27/2023	<0.0005								
1/30/2023			<0.0005	<0.0005		<0.0005			
1/31/2023		<0.0005							<0.0005
2/1/2023					<0.0005				
2/2/2023								<0.0005	
2/7/2023							<0.0005		
8/18/2023	<0.0005	<0.0005	<0.0005						<0.0005
8/21/2023					<0.0005		<0.0005		
8/23/2023								0.00017 (J)	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/24/2023				<0.0005		<0.0005			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.0005
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.0005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.0005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.0005
8/25/2021	
2/14/2022	
2/15/2022	<0.0005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.0005
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.0005
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

8/24/2023

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.0005
6/8/2016								<0.0005	
8/10/2016									<0.0005
8/11/2016								<0.0005	
10/4/2016									<0.0005
10/5/2016									
10/6/2016								<0.0005	
12/2/2016									<0.0005
12/5/2016									
12/6/2016								<0.0005	
2/14/2017									<0.0005
2/15/2017								<0.0005	
4/14/2017									<0.0005
4/17/2017									
4/18/2017								<0.0005	
5/26/2017									<0.0005
6/2/2017								<0.0005	
7/10/2017									<0.0005
7/11/2017									
7/14/2017								<0.0005	
3/26/2018									<0.0005
3/27/2018								<0.0005	
6/12/2018									<0.0005
6/13/2018								<0.0005	
10/16/2018									<0.0005
10/17/2018									
10/18/2018								<0.0005	
2/25/2019									<0.0005
2/28/2019								<0.0005	
4/1/2019									<0.0005
4/2/2019								<0.0005	
9/24/2019								<0.0005	<0.0005
2/19/2020									<0.0005
2/20/2020									
2/21/2020								<0.0005	
3/18/2020									<0.0005
3/19/2020								<0.0005	
9/3/2020	<0.0005	0.0011 (J)	<0.0005						
9/23/2020									<0.0005
9/24/2020									
9/25/2020								<0.0005	
1/28/2021						0.00031 (J)	0.00025 (J)		
2/16/2021									<0.0005
2/17/2021									
2/18/2021				<0.0005				<0.0005	
2/22/2021	<0.0005								
2/23/2021						0.00043 (J)	<0.0005		
3/8/2021		0.0003 (J)							
3/24/2021									<0.0005
3/29/2021		0.00019 (J)							
3/30/2021						0.0007	0.00018 (J)	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Date	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			<0.0005						
4/1/2021	<0.0005								
4/19/2021				<0.0005	<0.0005				
8/18/2021			<0.0005		<0.0005				<0.0005
8/19/2021								<0.0005	
8/20/2021	<0.0005								
8/23/2021		0.00036 (J)				0.00043 (J)	0.00018 (J)		
8/24/2021				<0.0005					
2/9/2022			<0.0005		<0.0005				
2/10/2022									<0.0005
2/11/2022								<0.0005	
2/14/2022						<0.0005	<0.0005		
2/15/2022		0.0015							
2/17/2022	<0.0005			<0.0005					
7/26/2022			<0.0005		<0.0005				<0.0005
7/28/2022	<0.0005						<0.0005	<0.0005	
8/1/2022		0.0011		<0.0005		<0.0005			
1/25/2023			<0.0005		<0.0005				
1/26/2023								<0.0005	<0.0005
1/30/2023	<0.0005								
1/31/2023						<0.0005	<0.0005		
2/1/2023				<0.0005					
2/7/2023		0.00014 (J)							
8/15/2023			<0.0005		<0.0005				
8/16/2023									<0.0005
8/17/2023								<0.0005	
8/21/2023						<0.0005			
8/22/2023				<0.0005			<0.0005		
8/23/2023		0.00029 (J)							
8/24/2023	<0.0005								

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.0005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.0005
10/4/2016	
10/5/2016	<0.0005
10/6/2016	
12/2/2016	
12/5/2016	<0.0005
12/6/2016	
2/14/2017	
2/15/2017	<0.0005
4/14/2017	
4/17/2017	<0.0005
4/18/2017	
5/26/2017	<0.0005
6/2/2017	
7/10/2017	
7/11/2017	<0.0005
7/14/2017	
3/26/2018	
3/27/2018	<0.0005
6/12/2018	<0.0005
6/13/2018	
10/16/2018	
10/17/2018	<0.0005
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	<0.0005
4/2/2019	
9/24/2019	<0.0005
2/19/2020	
2/20/2020	<0.0005
2/21/2020	
3/18/2020	
3/19/2020	<0.0005
9/3/2020	
9/23/2020	
9/24/2020	<0.0005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.0005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.0005
3/29/2021	
3/30/2021	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.0005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.0005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.0005
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.0005
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.0005
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	39					59			
6/7/2016							50	90	
8/9/2016	32.2								
8/10/2016						56			
8/11/2016									
8/12/2016								76.6	
8/16/2016							49.2		
8/22/2016		21.4							
10/3/2016	34.1								
10/4/2016		20.9				51.4			
10/6/2016								78.7	
10/7/2016							52.6		
11/29/2016	29.7								
12/1/2016		19.8				55.9			
12/5/2016								80.9	
12/6/2016							55.4		
1/10/2017		20.4							
2/13/2017	31.2								
2/14/2017		20.9				51.1			
2/15/2017								90.7	
2/16/2017							53.2		
4/13/2017	30.5					53.4			
4/14/2017		20.7 (J)							
4/18/2017							58	94.8	
5/25/2017	33.8	22.8 (J)				59.8			
5/30/2017									
6/2/2017							55.8	108	
7/7/2017	33.1					57.8			
7/10/2017		22.3							
7/12/2017							58.1		
7/13/2017								111	
7/14/2017									
10/9/2017	33.6					58.9			
10/10/2017		4.09						93	
10/11/2017							55.7		
6/12/2018	32.4	20.3 (J)							
6/14/2018							58.4	109	
10/16/2018	34.6	19.4 (J)				55.6			
10/17/2018								110	
10/18/2018							57.8		
4/1/2019	48.2	24.6						94.8	
4/2/2019						64.1	57.8		
4/3/2019			44.9						
5/2/2019	44.8								
9/23/2019	36.3	19.2				57.9			
9/25/2019							58.1	115	
9/26/2019									
9/27/2019			41.2						
2/18/2020						66.3			
2/19/2020		20.8							
2/21/2020			50.1						
3/18/2020	40.1	22.4							

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/19/2020						67.8		120	
3/20/2020			52.2						
3/23/2020							61.1		
5/22/2020				74					73.4
5/25/2020					36.5				
6/23/2020				99.5	39.4				80.1
7/28/2020				96.2	40.3				140
9/2/2020				109					159
9/3/2020					51.8				
9/23/2020	45.2	20.1				67.3			
9/24/2020							58.8		
9/25/2020			51.8					135	
10/1/2020				107	61.9				162
11/10/2020				117	80.3				170
12/15/2020				110	70.3				169
1/20/2021				111	67.5				157
3/23/2021		22.1							
3/24/2021								144	91.9
3/25/2021				109	68.3				
3/26/2021	46.7								
3/30/2021							61.3		
3/31/2021						63.4			
4/1/2021			49.5						
8/16/2021	48.3	21.5		108	61	66.2			
8/18/2021							61.1	156	166
8/25/2021			46.3						
2/9/2022	52.3			112	46.3	65.7			97.5
2/10/2022		20.3							
2/11/2022							66.2	164	
2/16/2022			47.5						
7/26/2022	46.7	20		105	34.5	66.1			185
7/27/2022								175	
7/28/2022							63		
8/3/2022			69.4						
1/24/2023	51.4	21		109	40.7				
1/25/2023						68.4			
1/26/2023								178	117
1/27/2023							64		
2/2/2023			81.4						
8/15/2023				102		61.4			
8/16/2023		20.9			37.7			178	196
8/17/2023							62.2		
8/21/2023	49.5								
8/23/2023			85						

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	120
8/9/2016	
8/10/2016	
8/11/2016	111
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	103
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	117
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	124
4/13/2017	
4/14/2017	
4/18/2017	120
5/25/2017	
5/30/2017	111
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	109
10/9/2017	
10/10/2017	
10/11/2017	109
6/12/2018	104
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	112
4/1/2019	
4/2/2019	117
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	136
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
3/19/2020	130
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	141
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	140
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	139
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	160
2/16/2022	
7/26/2022	
7/27/2022	194
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	178
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	187
8/21/2023	
8/23/2023	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	65								
6/8/2016		76	55	200	43	350			32
6/9/2016							300	800	
8/11/2016	61								
8/12/2016		61.7	61.2	196					
8/15/2016									33.1
8/18/2016					38.6	370	290	730	
10/7/2016	71	84.7	70.2						
10/10/2016				198	37.5	375	296	680	41
12/6/2016	68.7	88.1							
12/7/2016			48.6	215			271	387	
12/8/2016					43.4	434			38.5
1/23/2017									
2/7/2017									
2/16/2017	65.5	53.7	64.7						
2/17/2017				221	41	434			
2/20/2017							323	823	40.7
3/27/2017									
4/17/2017									
4/19/2017	68.9	57.1	69.5	240	39.4		298	893 (J)	
4/20/2017						422			40.7
5/22/2017									
5/30/2017	72.6								
6/1/2017		44.8	50.8	286	42.3				44.2
6/5/2017						398	310	1080	
7/11/2017									
7/14/2017	70.6	60	67						
7/17/2017							319	1120	41.9
7/18/2017				244	40.9				
7/19/2017						461			
8/23/2017									
10/10/2017									
10/11/2017	67.3	67	57.3	222			438	1310	41.1
10/12/2017					43.3	515			
6/13/2018				234			385	970	
6/14/2018	65.7	53.1			39.4	482			44.8
6/15/2018			49.7						
10/17/2018	69.7								
10/18/2018		60.4							
10/19/2018			63.1		40.6				
10/22/2018				241		575	424	1150	52.2
4/2/2019	63.9	53.3							
4/3/2019			51.3	220	43.4	458	396	945	
4/4/2019									54.8
5/2/2019						647			
9/26/2019	94.2	91.7	80.8	243					
9/27/2019						658	533		
9/30/2019					43.2			1050	47.8
2/25/2020						445			
2/26/2020									
3/19/2020	68.1								
3/20/2020		49.3	52.1		48.2	514			

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	372
2/7/2017	351
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	417
4/17/2017	415
4/19/2017	
4/20/2017	
5/22/2017	885
5/30/2017	
6/1/2017	
6/5/2017	413
7/11/2017	449
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	409
10/10/2017	339
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	198
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	230
4/2/2019	181
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	103
9/30/2019	
2/25/2020	
2/26/2020	85.3
3/19/2020	
3/20/2020	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	107
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	93.3
9/28/2020	
3/24/2021	
3/25/2021	81.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	87.8
8/19/2021	109
8/20/2021	
8/23/2021	
11/1/2021	108
2/11/2022	
2/14/2022	129
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	111
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	113
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	98.8
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/24/2023				584		120			

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	155
9/2/2020	159
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	166
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	173
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	198
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	202
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	228
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	220

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

8/24/2023

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	66
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	65.2
10/4/2016	
10/5/2016	66.7
10/6/2016	
12/2/2016	
12/5/2016	74.6
12/6/2016	
2/14/2017	
2/15/2017	74.6
4/14/2017	
4/17/2017	65.6
4/18/2017	
5/26/2017	70.4
6/2/2017	
7/10/2017	
7/11/2017	66.9
7/14/2017	
10/10/2017	61.7
10/11/2017	
6/12/2018	53.4
6/13/2018	
10/16/2018	
10/17/2018	63
10/18/2018	
4/1/2019	59.3
4/2/2019	
9/24/2019	57.6
3/18/2020	
3/19/2020	61.5
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	59
9/25/2020	
1/28/2021	
2/23/2021	
3/24/2021	59.9
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	63
8/19/2021	
8/20/2021	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	65.6
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	66.3
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	62.4
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	66.9
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	2.9					5.6			
6/7/2016							19	44	
8/9/2016	2.5								
8/10/2016						5.3			
8/11/2016									
8/12/2016								43	
8/16/2016							20		
8/22/2016		4.2							
10/3/2016	2.5								
10/4/2016		2.1				5.6			
10/6/2016								41	
10/7/2016							21		
11/29/2016	2.6								
12/1/2016		1.8				6.2			
12/5/2016								41	
12/6/2016							22		
1/10/2017		1.6							
2/13/2017	2.1								
2/14/2017		1.9				8.8			
2/15/2017								39	
2/16/2017							22		
4/13/2017	2.1					10			
4/14/2017		1.5							
4/18/2017							21	39	
5/25/2017	2.4	1.5				11			
5/30/2017									
6/2/2017							20	37	
7/7/2017	1.9					12			
7/10/2017		1.6							
7/12/2017							23		
7/13/2017								38	
7/14/2017									
10/9/2017	1.9					18			
10/10/2017		1.7						38	
10/11/2017							24		
6/12/2018	3.4	1.8							
6/14/2018							23.1	30.5	
10/16/2018	3.3	1.5				10.7			
10/17/2018								30.7	
10/18/2018							26.9		
4/1/2019	4.2	1.6						24.1	
4/2/2019						9	24.1		
4/3/2019			5.2						
5/2/2019	4.3								
9/23/2019	3.1	1.2				8.6			
9/25/2019							25.1	23.6	
9/26/2019									
9/27/2019			394 (o)						
2/18/2020						8.2			
2/19/2020		1.3							
2/21/2020			2.6						
3/18/2020	3.1	1.4							

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/19/2020						7.8		20.5	
3/20/2020			4						
3/23/2020							20.8		
5/22/2020				6.6					32
5/25/2020					4				
6/23/2020				5.9	5.5				15.7
7/28/2020				5.9	4.6				20.6
9/2/2020				6					18.9
9/3/2020					6.3				
9/23/2020	4.2	1.1				8.4			
9/24/2020							25.4		
9/25/2020			3.3					20.2	
10/1/2020				6	7.5				18.6
11/10/2020				5.5	7.7				19.6
12/15/2020				6.3	8				20.7
1/20/2021				5.7	7.2				21.9
3/23/2021		1.2							
3/24/2021								18.4	14.1
3/25/2021				5.7	7.5				
3/26/2021	3.6								
3/30/2021							23.8		
3/31/2021						13.4			
4/1/2021			2.9						
8/16/2021	3.4	1.1		5.7	8	15.6			
8/18/2021							25.1	15.8	17.1
8/25/2021			3.3						
2/9/2022	3.7			5.4	8.9	10.1			10.8
2/10/2022		1.2							
2/11/2022							28.2	16.4	
2/16/2022			2.8						
7/26/2022	3.2	0.97 (J)		5.5	4.6	8.5			19.6
7/27/2022								16.2	
7/28/2022							30		
8/3/2022			3.4						
1/24/2023	3.4	1.5		5.2	4.3				
1/25/2023						10.1			
1/26/2023								14.5	10.9
1/27/2023							28.2		
2/2/2023			3.4						
8/15/2023				4.9		8			
8/16/2023		1.3			4.3			13.7	18.2
8/17/2023							29.2		
8/21/2023	2.9								
8/23/2023			2						

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	37
8/9/2016	
8/10/2016	
8/11/2016	41
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	44
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	48
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	46
4/13/2017	
4/14/2017	
4/18/2017	41
5/25/2017	
5/30/2017	38
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	35
10/9/2017	
10/10/2017	
10/11/2017	36
6/12/2018	27.2
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	25.2
4/1/2019	
4/2/2019	20.3
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	28.7
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
3/19/2020	22
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	28.8
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	24
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	19.9
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	22.3
2/16/2022	
7/26/2022	
7/27/2022	23.1
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	18.3
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	18.2
8/21/2023	
8/23/2023	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	26								
6/8/2016		48	23	130	7.1	440			6.4
6/9/2016							480	1900	
8/11/2016	34								
8/12/2016		27	26	130					
8/15/2016									4.3
8/18/2016					6.9	500	400	1600	
10/7/2016	38	72	41						
10/10/2016				140	7.1	480	390	1400	3.5
12/6/2016	45	73							
12/7/2016			23	130			450	970	
12/8/2016					6.3	540			2.8
1/23/2017									
2/7/2017									
2/16/2017	40	19	31						
2/17/2017				140	5.6	570			
2/20/2017							470	1900	4.2
3/27/2017									
4/17/2017									
4/19/2017	38	13	30	140	5		420	1900	
4/20/2017						740			4.1
5/22/2017									
5/30/2017	41								
6/1/2017		8	13	130	4.9				4.4
6/5/2017						530	450	1900	
7/11/2017									
7/14/2017	36	11	19						
7/17/2017							470	2100	5
7/18/2017				140	4.2				
7/19/2017						540			
8/23/2017									
10/10/2017									
10/11/2017	45	24	19	130			510	1600	4.1
10/12/2017					4.8	700			
6/13/2018				150			598	1880	
6/14/2018	33.3	7.3			3.3	725			3.4
6/15/2018			9.3						
10/17/2018	41.8								
10/18/2018		10.9							
10/19/2018			15.3		4.1				
10/22/2018				149		827	639	2050	3.9
4/2/2019	18.7	4.5							
4/3/2019			9.7	144	5	856	679	1890	
4/4/2019									3.8
5/2/2019						999			
9/26/2019	47.1	60.5	26	128					
9/27/2019						996	918		
9/30/2019					4.7			2040	5.2
2/25/2020						547			
2/26/2020									
3/19/2020	21.9								
3/20/2020		5.3	6.6		4.2	665			

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	780
2/7/2017	780
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	790
4/17/2017	770
4/19/2017	
4/20/2017	
5/22/2017	890
5/30/2017	
6/1/2017	
6/5/2017	870
7/11/2017	840
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	800
10/10/2017	730
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	390
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	400
4/2/2019	333
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	143
9/30/2019	
2/25/2020	
2/26/2020	100
3/19/2020	
3/20/2020	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	117
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	127
9/28/2020	
3/24/2021	
3/25/2021	85.5
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	95.3
8/19/2021	117
8/20/2021	
8/23/2021	
11/1/2021	133
2/11/2022	
2/14/2022	146
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	114
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	154
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	97.6
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/24/2023				740		157			

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	218
9/2/2020	210
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	261
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	262
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	296
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	381
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	393
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	353

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

8/24/2023

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	27
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	30
10/4/2016	
10/5/2016	36
10/6/2016	
12/2/2016	
12/5/2016	40
12/6/2016	
2/14/2017	
2/15/2017	38
4/14/2017	
4/17/2017	35
4/18/2017	
5/26/2017	35
6/2/2017	
7/10/2017	
7/11/2017	33
7/14/2017	
10/10/2017	35
10/11/2017	
6/12/2018	21.3
6/13/2018	
10/16/2018	
10/17/2018	29.4
10/18/2018	
4/1/2019	13.4
4/2/2019	
9/24/2019	13.2
3/18/2020	
3/19/2020	7.3
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	9.2
9/25/2020	
1/28/2021	
2/23/2021	
3/24/2021	8
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	8.5
8/19/2021	
8/20/2021	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	8.9
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	10.9
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	7.5
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	10.7
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.005					<0.005			
6/7/2016							<0.005	<0.005	
8/9/2016	0.0019 (J)								
8/10/2016						0.0044 (J)			
8/11/2016									
8/12/2016								<0.005	
8/16/2016							<0.005		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		0.0013 (J)				<0.005			
10/6/2016								<0.005	
10/7/2016							<0.005		
11/29/2016	<0.005								
12/1/2016		<0.005				<0.005			
12/5/2016								<0.005	
12/6/2016							<0.005		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							<0.005		
4/13/2017	0.0005 (J)					<0.005			
4/14/2017		0.0005 (J)							
4/18/2017							<0.005	<0.005	
5/25/2017	<0.005	0.0004 (J)				<0.005			
5/30/2017									
6/2/2017							<0.005	0.0003 (J)	
7/7/2017	0.0008 (J)					<0.005			
7/10/2017		0.0005 (J)							
7/12/2017							<0.005		
7/13/2017								<0.005	
7/14/2017									
3/26/2018	<0.005	<0.005							
3/27/2018							<0.005		
3/28/2018								<0.005	
2/25/2019	<0.005								
2/27/2019		<0.005							
2/28/2019							<0.005	<0.005	
4/1/2019	<0.005	<0.005						<0.005	
4/2/2019						<0.005	<0.005		
4/3/2019			<0.005						
9/23/2019	<0.005	0.00047 (J)				<0.005			
9/25/2019							<0.005	0.00055 (J)	
9/26/2019									
9/27/2019			<0.005						
2/18/2020	0.00048 (J)					<0.005			
2/19/2020		0.00053 (J)							
2/20/2020							<0.005		
2/21/2020			0.00051 (J)						
2/24/2020								<0.005	
3/18/2020	<0.005	0.00052 (J)							
3/19/2020						0.0015 (J)		0.0004 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			0.0007 (J)						
3/23/2020							0.0011 (J)		
5/22/2020				0.00044 (J)					<0.005
5/25/2020					<0.005				
6/23/2020				0.00043 (J)	0.00042 (J)				<0.005
7/28/2020				<0.005	<0.005				<0.005
9/2/2020				<0.005					<0.005
9/3/2020					<0.005				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005		
9/25/2020			0.00083 (J)					0.00058 (J)	
10/1/2020				0.0014 (J)	0.00056 (J)				<0.005
11/10/2020				0.00059 (J)	<0.005				<0.005
12/15/2020				0.00069	<0.005				<0.005
1/20/2021				0.00061 (J)	<0.005				<0.005
2/16/2021	<0.005	0.00071 (J)							
2/17/2021				0.00099 (J)	0.00069 (J)				
2/18/2021						<0.005	<0.005		0.026
2/19/2021			0.00077 (J)					<0.005	
3/23/2021		0.00059 (J)							
3/24/2021								0.00079 (J)	<0.005
3/25/2021				<0.005	<0.005				
3/26/2021	0.00071 (J)								
3/30/2021							<0.005		
3/31/2021						<0.005			
4/1/2021			0.00076 (J)						
8/16/2021	<0.005	<0.005		0.0022 (J)	<0.005	<0.005			
8/18/2021							<0.005	<0.005	<0.005
8/25/2021			<0.005						
2/9/2022	<0.005			<0.005	<0.005	<0.005			<0.005
2/10/2022		<0.005							
2/11/2022							<0.005	<0.005	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		<0.005	<0.005	<0.005			<0.005
7/27/2022								<0.005	
7/28/2022							<0.005		
8/3/2022			<0.005						
1/24/2023	0.0011 (J)	<0.005		<0.005	<0.005				
1/25/2023						<0.005			
1/26/2023								0.0018 (J)	0.0014 (J)
1/27/2023							<0.005		
2/2/2023			<0.005						
8/15/2023				<0.005		<0.005			
8/16/2023		<0.005			<0.005			<0.005	<0.005
8/17/2023							<0.005		
8/21/2023	<0.005								
8/23/2023			<0.005						

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.005
8/9/2016	
8/10/2016	
8/11/2016	<0.005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.005
4/13/2017	
4/14/2017	
4/18/2017	<0.005
5/25/2017	
5/30/2017	<0.005
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.005
3/26/2018	
3/27/2018	<0.005
3/28/2018	
2/25/2019	<0.005
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.005
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.005
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.005
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00071 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0019 (J)
2/19/2021	
3/23/2021	
3/24/2021	<0.005
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.005
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.005
2/16/2022	
7/26/2022	
7/27/2022	<0.005
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.005
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.005
8/21/2023	
8/23/2023	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.005								
6/8/2016		<0.005	<0.005	<0.005	<0.005	<0.005			<0.005
6/9/2016							<0.005	<0.005	
8/11/2016	<0.005								
8/12/2016		<0.005	<0.005	<0.005					
8/15/2016									<0.005
8/18/2016					<0.005	<0.005	<0.005	<0.005	
10/7/2016	<0.005	0.0011 (J)	<0.005						
10/10/2016				<0.005	<0.005	<0.005	<0.005	0.0009 (J)	<0.005
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	<0.005			0.002 (J)	<0.005	
12/8/2016					<0.005	<0.005			<0.005
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	<0.005			
2/20/2017							<0.005	<0.005	<0.005
3/27/2017									
4/17/2017									
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	
4/20/2017						<0.005			<0.005
5/22/2017									
5/30/2017	<0.005								
6/1/2017		<0.005	<0.005	<0.005	<0.005				<0.005
6/5/2017						<0.005	<0.005	<0.005	
7/11/2017									
7/14/2017	<0.005	<0.005	<0.005						
7/17/2017							<0.005	<0.005	<0.005
7/18/2017				<0.005	<0.005				
7/19/2017						<0.005			
8/23/2017									
3/26/2018									
3/27/2018	<0.005	<0.005	<0.005						
3/28/2018				<0.005	<0.005				<0.005
3/29/2018						<0.005	<0.005	<0.005	
2/27/2019	<0.005	<0.005		0.0048 (J)					
3/1/2019			<0.005			<0.005	0.0033 (J)	<0.005	<0.005
4/2/2019	0.00044 (J)	<0.005							
4/3/2019			<0.005	0.00088 (J)	<0.005	<0.005	0.00057 (J)	<0.005	
4/4/2019									<0.005
9/26/2019	<0.005	<0.005	<0.005	0.0022 (J)					
9/27/2019						<0.005	<0.005		
9/30/2019					<0.005			<0.005	0.0021 (J)
2/24/2020	<0.005	<0.005	<0.005	0.00096 (J)					
2/25/2020						<0.005	<0.005		
2/26/2020					<0.005			0.00051 (J)	<0.005
3/19/2020	0.00039 (J)								
3/20/2020		0.00046 (J)	<0.005		0.00041 (J)	<0.005			
3/23/2020				0.00091 (J)			0.00043 (J)		
3/24/2020									<0.005
3/25/2020								<0.005	
9/24/2020	<0.005	<0.005			<0.005	<0.005	<0.005		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.00058 (J)	
9/28/2020			<0.005	0.0028 (J)					<0.005
2/18/2021	<0.005	<0.005	<0.005	0.00078 (J)					
2/19/2021					<0.005	<0.005	<0.005	<0.005	
2/23/2021									<0.005
3/8/2021									
3/24/2021	<0.005	0.00065 (J)							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.005	<0.005
3/29/2021				0.0011 (J)	0.0025 (J)	<0.005			
8/19/2021	<0.005	<0.005							<0.005
8/20/2021			<0.005	<0.005	<0.005				
8/23/2021						<0.005	0.0015 (J)	<0.005	
2/11/2022	<0.005								
2/14/2022							<0.005		
2/15/2022						<0.005		<0.005	
2/16/2022		<0.005	<0.005	<0.005	<0.005				<0.005
7/27/2022	<0.005	<0.005	<0.005	<0.005					<0.005
7/28/2022					<0.005				
8/1/2022							<0.005		
8/2/2022						<0.005		<0.005	
10/21/2022								<0.005 (R)	
1/26/2023	<0.005	<0.005							
1/27/2023			<0.005		<0.005				<0.005
1/30/2023				<0.005					
2/1/2023								<0.005	
2/2/2023							<0.005		
2/7/2023						<0.005			
8/17/2023	<0.005	<0.005							<0.005
8/18/2023			<0.005	<0.005					
8/21/2023									
8/22/2023						<0.005			
8/23/2023					<0.005		<0.005		
8/25/2023								<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.001 (J)
2/7/2017	<0.005
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	<0.005
4/17/2017	<0.005
4/19/2017	
4/20/2017	
5/22/2017	0.0004 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0004 (J)
7/11/2017	0.0012 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0009 (J)
3/26/2018	<0.005
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.005
4/2/2019	0.00095 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00056 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	0.00073 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.00098 (J)
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	0.00087 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0011 (J)
3/24/2021	
3/25/2021	0.00082 (J)
3/26/2021	
3/29/2021	
8/19/2021	<0.005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.0014 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.005
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.005
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	<0.005
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					0.001 (J)				
4/4/2019	<0.005		<0.005	0.0011 (J)					
4/5/2019		<0.005							
9/24/2019	0.00064 (J)		<0.005						
9/26/2019		0.00062 (J)		0.00067 (J)					
9/27/2019					0.0006 (J)				
2/25/2020				<0.005		<0.005			
2/26/2020	<0.005				<0.005				
2/27/2020		0.00072 (J)	<0.005				0.0031 (J)	<0.005	
2/28/2020									0.00043 (J)
3/23/2020	0.0011 (J)				<0.005				
3/24/2020		0.0012 (J)	<0.005			0.00068 (J)	0.00042 (J)	0.001 (J)	
3/25/2020				<0.005					0.00058 (J)
9/2/2020							<0.005		
9/25/2020		0.00057 (J)		0.00072 (J)		0.00068 (J)			
9/28/2020	0.00056 (J)		<0.005		<0.005				
9/29/2020								<0.005	0.00082 (J)
2/19/2021			<0.005						
2/22/2021	<0.005			<0.005		<0.005		<0.005	<0.005
2/23/2021		<0.005							
3/8/2021					0.00057 (J)				
3/9/2021							<0.005		
3/25/2021					0.00057 (J)				
3/26/2021				<0.005		<0.005			
3/29/2021	<0.005						<0.005		
3/30/2021		<0.005	<0.005						0.00081 (J)
3/31/2021								<0.005	
8/19/2021							<0.005		
8/20/2021	<0.005			<0.005		<0.005			
8/23/2021					<0.005				
8/24/2021			<0.005				<0.005		<0.005
8/25/2021		0.0043 (J)							
2/14/2022					<0.005		<0.005		
2/15/2022									
2/16/2022	<0.005	<0.005	<0.005					<0.005	0.0011 (J)
2/17/2022				<0.005		<0.005			
7/28/2022	<0.005		<0.005	<0.005		<0.005			<0.005
7/29/2022		<0.005			<0.005				
8/2/2022							<0.005	<0.005	
1/27/2023	<0.005								
1/30/2023			<0.005	<0.005		<0.005			
1/31/2023		<0.005							0.005 (J)
2/1/2023					<0.005				
2/2/2023								<0.005	
2/7/2023							<0.005		
8/18/2023	<0.005	<0.005	<0.005						<0.005
8/21/2023					<0.005		<0.005		
8/23/2023								<0.005	
8/24/2023				<0.005		<0.005			

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.005
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.00068 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.005
8/25/2021	
2/14/2022	
2/15/2022	<0.005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.005
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.005
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	<0.005
8/24/2023	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.005
6/8/2016								<0.005	
8/10/2016									0.0052 (J)
8/11/2016								<0.005	
10/4/2016									0.0015 (J)
10/5/2016									
10/6/2016								<0.005	
12/2/2016									0.0013 (J)
12/5/2016									
12/6/2016								<0.005	
2/14/2017									<0.005
2/15/2017								<0.005	
4/14/2017									0.0011 (J)
4/17/2017									
4/18/2017								<0.005	
5/26/2017									0.0008 (J)
6/2/2017								<0.005	
7/10/2017									0.0009 (J)
7/11/2017									
7/14/2017								<0.005	
3/26/2018									<0.005
3/27/2018								<0.005	
2/25/2019									<0.005
2/28/2019								<0.005	
4/1/2019									0.00091 (J)
4/2/2019								<0.005	
9/24/2019								0.00055 (J)	0.063
2/19/2020									0.0011 (J)
2/20/2020									
2/21/2020								<0.005	
3/18/2020									0.0014 (J)
3/19/2020								0.00061 (J)	
9/3/2020	<0.005	<0.005	<0.005						
9/23/2020									0.0013 (J)
9/24/2020									
9/25/2020								<0.005	
1/28/2021						<0.005	<0.005		
2/16/2021									0.001 (J)
2/17/2021									
2/18/2021				0.00093 (J)				<0.005	
2/22/2021	0.0011 (J)								
2/23/2021						0.0006 (J)	<0.005		
3/8/2021		<0.005							
3/24/2021									0.0013 (J)
3/29/2021		<0.005							
3/30/2021						<0.005	0.00061 (J)	0.00095 (J)	
3/31/2021				0.00094 (J)					
4/1/2021	0.00062 (J)								
4/19/2021				0.00071 (J)	<0.005				
8/18/2021			<0.005		<0.005				0.0012 (J)
8/19/2021								<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.005								
8/23/2021		<0.005				<0.005	<0.005		
8/24/2021				<0.005					
2/9/2022			<0.005		<0.005				
2/10/2022									0.0014 (J)
2/11/2022								<0.005	
2/14/2022						<0.005	0.0013 (J)		
2/15/2022		0.0024 (J)							
2/17/2022	<0.005			<0.005					
7/26/2022			<0.005		<0.005				<0.005
7/28/2022	<0.005						<0.005	<0.005	
8/1/2022		<0.005		<0.005		<0.005			
1/25/2023			0.0025 (J)		<0.005				
1/26/2023								<0.005	0.0014 (J)
1/30/2023	<0.005								
1/31/2023						<0.005	0.0016 (J)		
2/1/2023				<0.005					
2/7/2023		<0.005							
8/15/2023			<0.005		<0.005				
8/16/2023									<0.005
8/17/2023								<0.005	
8/21/2023						<0.005			
8/22/2023				<0.005			<0.005		
8/23/2023		<0.005							
8/24/2023	<0.005								

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.005
10/4/2016	
10/5/2016	0.002 (J)
10/6/2016	
12/2/2016	
12/5/2016	<0.005
12/6/2016	
2/14/2017	
2/15/2017	<0.005
4/14/2017	
4/17/2017	<0.005
4/18/2017	
5/26/2017	<0.005
6/2/2017	
7/10/2017	
7/11/2017	<0.005
7/14/2017	
3/26/2018	
3/27/2018	<0.005
2/25/2019	
2/28/2019	
4/1/2019	<0.005
4/2/2019	
9/24/2019	<0.005
2/19/2020	
2/20/2020	<0.005
2/21/2020	
3/18/2020	
3/19/2020	<0.005
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.005
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.005
8/19/2021	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.005
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.0021 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.005
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.005					<0.005			
6/7/2016							<0.005	<0.005	
8/9/2016	0.0005 (J)								
8/10/2016						0.0006 (J)			
8/11/2016									
8/12/2016								<0.005	
8/16/2016							<0.005		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005			
10/6/2016								<0.005	
10/7/2016							<0.005		
11/29/2016	<0.005								
12/1/2016		<0.005				<0.005			
12/5/2016									0.0006 (J)
12/6/2016							<0.005		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017									<0.005
2/16/2017							<0.005		
4/13/2017	<0.005					<0.005			
4/14/2017		<0.005							
4/18/2017							<0.005	<0.005	
5/25/2017	<0.005	<0.005				<0.005			
5/30/2017									
6/2/2017							<0.005	<0.005	
7/7/2017	<0.005					<0.005			
7/10/2017		<0.005							
7/12/2017							<0.005		
7/13/2017									0.0003 (J)
7/14/2017									
3/26/2018	<0.005	<0.005							
3/27/2018							<0.005		
3/28/2018								<0.005	
6/12/2018	<0.005	<0.005							
6/14/2018							<0.005	<0.005	
10/16/2018	<0.005	<0.005				0.00094 (J)			
10/17/2018								<0.005	
10/18/2018							<0.005		
2/25/2019	<0.005								
2/27/2019		<0.005							
2/28/2019							<0.005	<0.005	
4/1/2019	0.00014 (J)	<0.005							0.00034 (J)
4/2/2019						0.00016 (J)	0.00027 (J)		
4/3/2019			0.00011 (J)						
5/2/2019	<0.005								
9/23/2019	0.00047 (J)	<0.005				0.00042 (J)			
9/25/2019							0.00056 (J)	0.0004 (J)	
9/26/2019									
9/27/2019			<0.005						
2/18/2020	<0.005					0.00032 (J)			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/19/2020		<0.005							
2/20/2020							<0.005		
2/21/2020			<0.005						
2/24/2020								0.00034 (J)	
3/18/2020	<0.005	<0.005							
3/19/2020						<0.005		0.00035 (J)	
3/20/2020			<0.005						
3/23/2020							0.00031 (J)		
5/22/2020				<0.005					0.00041 (J)
5/25/2020					<0.005				
6/23/2020				0.00031 (J)	<0.005				<0.005
7/28/2020				<0.005	0.00064 (J)				<0.005
9/2/2020				<0.005					0.001 (J)
9/3/2020					<0.005				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005		
9/25/2020			<0.005					0.00049 (J)	
10/1/2020				<0.005	0.00039 (J)				0.0018 (J)
11/10/2020				<0.005	<0.005				0.0016 (J)
12/15/2020				<0.005	<0.005				0.0018
1/20/2021				<0.005	<0.005				0.0019 (J)
2/16/2021	<0.005	<0.005							
2/17/2021				<0.005	<0.005				
2/18/2021						<0.005	<0.005		0.0013 (J)
2/19/2021			<0.005					0.00066 (J)	
3/23/2021		<0.005							
3/24/2021								0.00048 (J)	<0.005
3/25/2021				<0.005	<0.005				
3/26/2021	<0.005								
3/30/2021							0.00052 (J)		
3/31/2021						0.00094 (J)			
4/1/2021			<0.005						
8/16/2021	<0.005	<0.005		<0.005	<0.005	0.00052 (J)			
8/18/2021							0.00042 (J)	0.00085 (J)	0.0034 (J)
8/25/2021			<0.005						
2/9/2022	<0.005			<0.005	<0.005	0.0005 (J)			<0.005
2/10/2022		<0.005							
2/11/2022							0.00047 (J)	0.00057 (J)	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		<0.005	<0.005	<0.005			0.003 (J)
7/27/2022								<0.005	
7/28/2022							0.00058 (J)		
8/3/2022			<0.005						
1/24/2023	<0.005	<0.005		<0.005	<0.005				
1/25/2023						0.00074 (J)			
1/26/2023								0.00045 (J)	0.0033 (J)
1/27/2023							0.00051 (J)		
2/2/2023			0.00051 (J)						
8/15/2023				<0.005		<0.005			
8/16/2023		<0.005			<0.005			<0.005	0.0017 (J)
8/17/2023							0.00043 (J)		
8/21/2023	<0.005								

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
8/23/2023			0.00059 (J)						

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	0.0037
8/9/2016	
8/10/2016	
8/11/2016	0.0039 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0043 (J)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.005 (J)
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0054 (J)
4/13/2017	
4/14/2017	
4/18/2017	0.0054 (J)
5/25/2017	
5/30/2017	0.0045 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0049 (J)
3/26/2018	
3/27/2018	<0.01
3/28/2018	
6/12/2018	0.0048 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.0047 (J)
2/25/2019	0.0071 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0056 (J)
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.0093
9/27/2019	
2/18/2020	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

2/19/2020	
2/20/2020	0.0092
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.0089
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.0095
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0088
2/19/2021	
3/23/2021	
3/24/2021	0.0078
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.0098
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.0097
2/16/2022	
7/26/2022	
7/27/2022	0.012
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.0098
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.011
8/21/2023	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

8/23/2023

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.005								
6/8/2016		0.00071 (J)	<0.005	<0.005	0.00041 (J)	0.0079			<0.005
6/9/2016							<0.005	0.0026	
8/11/2016	<0.005								
8/12/2016		0.0006 (J)	<0.005	<0.005					
8/15/2016									<0.005
8/18/2016					<0.005	0.0109	<0.005	0.0021 (J)	
10/7/2016	<0.005	0.0005 (J)	<0.005						
10/10/2016				<0.005	<0.005	0.011	<0.005	0.0018 (J)	<0.005
12/6/2016	<0.005	0.0009 (J)							
12/7/2016			<0.005	0.0008 (J)			0.0015 (J)	0.0018 (J)	
12/8/2016					0.0006 (J)	0.013			0.0006 (J)
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	0.0122			
2/20/2017							<0.005	0.0027 (J)	<0.005
3/27/2017									
4/17/2017									
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	0.0032 (J)	
4/20/2017						0.0116			<0.005
5/22/2017									
5/30/2017	<0.005								
6/1/2017		<0.005	<0.005	<0.005	<0.005				<0.005
6/5/2017						0.0112	<0.005	0.0034 (J)	
7/11/2017									
7/14/2017	<0.005	<0.005	<0.005						
7/17/2017							<0.005	0.0033 (J)	<0.005
7/18/2017				<0.005	0.0004 (J)				
7/19/2017						0.0131			
8/23/2017									
3/26/2018									
3/27/2018	<0.005	<0.005	<0.005						
3/28/2018				<0.005	<0.005				<0.005
3/29/2018						0.016	<0.005	<0.005	
6/13/2018				<0.005			<0.005	0.0039 (J)	
6/14/2018	<0.005	<0.005			<0.005	0.017			<0.005
6/15/2018			<0.005						
10/17/2018	<0.005								
10/18/2018		<0.005							
10/19/2018			<0.005		<0.005				
10/22/2018				<0.005		0.021	<0.005	0.0043 (J)	<0.005
2/27/2019	<0.005	<0.005		<0.005					
3/1/2019			<0.005			0.017	<0.005	0.0055 (J)	<0.005
4/2/2019	0.00015 (J)	0.00012 (J)							
4/3/2019			7.2E-05 (J)	0.00024 (J)	0.00064 (J)	0.019	0.00058 (J)	0.0048 (J)	
4/4/2019									0.00022 (J)
5/2/2019						0.023 (J)			
9/26/2019	<0.005	<0.005	<0.005	<0.005					
9/27/2019						0.027	0.00034 (J)		
9/30/2019					0.0004 (J)			0.0048 (J)	<0.005
2/24/2020	<0.005	<0.005	<0.005	<0.005					

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/25/2020						0.017	0.00046 (J)		
2/26/2020					0.00037 (J)			0.0045 (J)	<0.005
3/19/2020	<0.005								
3/20/2020		<0.005	<0.005		<0.005	0.02			
3/23/2020				0.00036 (J)			0.0004 (J)		
3/24/2020									<0.005
3/25/2020								0.0037 (J)	
9/24/2020	<0.005	<0.005			0.00098 (J)	0.041	<0.005		
9/25/2020								0.0038 (J)	
9/28/2020			<0.005	<0.005					<0.005
2/18/2021	<0.005	<0.005	<0.005	<0.005					
2/19/2021					0.0013 (J)	0.032	0.00044 (J)	0.0042 (J)	
2/23/2021									<0.005
3/8/2021									
3/24/2021	<0.005	<0.005							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.005	<0.005
3/29/2021				<0.005	0.00069 (J)	0.029 (J)			
7/19/2021						0.039	<0.005	0.0034 (J)	
7/20/2021									
8/19/2021	<0.005	<0.005							<0.005
8/20/2021			<0.005	<0.005	0.00058 (J)				
8/23/2021						0.029	0.00047 (J)	0.0062	
11/1/2021						0.04	<0.005	0.0038 (J)	
2/11/2022	<0.005								
2/14/2022							<0.005		
2/15/2022						0.03		0.0037 (J)	
2/16/2022		<0.005	<0.005	<0.005	0.0021 (J)				<0.005
7/27/2022	<0.005	<0.005	<0.005	<0.005					<0.005
7/28/2022					0.0027 (J)				
8/1/2022							<0.005		
8/2/2022						0.034		<0.005	
10/21/2022								0.0026 (J)	
1/26/2023	<0.005	<0.005							
1/27/2023			<0.005		0.0021 (J)				<0.005
1/30/2023				<0.005					
2/1/2023								0.0024 (J)	
2/2/2023							<0.005		
2/7/2023						0.017			
8/17/2023	<0.005	<0.005							<0.005
8/18/2023			<0.005	<0.005					
8/21/2023									
8/22/2023						0.03			
8/23/2023					0.004 (J)		<0.005		
8/25/2023								0.0023 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0012 (J)
2/7/2017	0.0008 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.001 (J)
4/17/2017	0.0009 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0008 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0008 (J)
7/11/2017	0.0008 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0006 (J)
3/26/2018	<0.005
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	<0.005
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	<0.005
2/27/2019	
3/1/2019	<0.005
4/2/2019	0.00022 (J)
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	<0.005
9/30/2019	
2/24/2020	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/25/2020	
2/26/2020	<0.005
3/19/2020	
3/20/2020	
3/23/2020	<0.005
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.005
3/24/2021	
3/25/2021	<0.005
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	<0.005
8/19/2021	0.002 (J)
8/20/2021	
8/23/2021	
11/1/2021	<0.005
2/11/2022	
2/14/2022	<0.005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.005
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.005
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	<0.005
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.00057 (J)				
10/18/2018	0.00079 (J)								
10/19/2018			0.0012 (J)						
10/22/2018		0.0037 (J)		<0.01					
4/2/2019					0.0011 (J)				
4/4/2019	0.00051 (J)		0.00042 (J)	0.0011 (J)					
4/5/2019		0.011							
5/3/2019		0.0078 (J)							
9/24/2019	0.00041 (J)		<0.005						
9/26/2019		0.01		0.0019 (J)					
9/27/2019					0.0009 (J)				
11/15/2019		0.0077							
12/13/2019								0.0033 (J)	
2/25/2020				0.0011 (J)		0.0015 (J)			
2/26/2020	0.00031 (J)				0.00058 (J)				
2/27/2020		0.00095 (J)	<0.005				0.014	0.00047 (J)	
2/28/2020									0.00049 (J)
3/23/2020	0.00036 (J)				0.00049 (J)				
3/24/2020		0.0037 (J)	0.00039 (J)			0.0019 (J)	0.0065	<0.005	
3/25/2020				0.00046 (J)					0.00056 (J)
9/2/2020							0.0043 (J)		
9/25/2020		0.0081		0.00082 (J)		0.0011 (J)			
9/28/2020	0.00046 (J)		0.00048 (J)		0.00038 (J)				
9/29/2020								0.00061 (J)	0.00044 (J)
2/19/2021			0.00057 (J)						
2/22/2021	<0.005			0.0011 (J)		0.0007 (J)		<0.005	0.0006 (J)
2/23/2021		0.0062							
3/8/2021					<0.005				
3/9/2021							0.0014 (J)		
3/25/2021					<0.005				
3/26/2021				0.0015 (J)		0.0011 (J)			
3/29/2021	<0.005						0.0015 (J)		
3/30/2021		0.0014 (J)	0.00065 (J)						0.00052 (J)
3/31/2021								<0.005	
8/19/2021							0.004 (J)		
8/20/2021	<0.005			0.0018 (J)		0.00088 (J)			
8/23/2021					<0.005				
8/24/2021			0.00085 (J)					<0.005	0.00061 (J)
8/25/2021		0.0018 (J)							
11/1/2021							0.0033 (J)		
2/14/2022					<0.005		0.0019 (J)		
2/15/2022									
2/16/2022	<0.005	<0.005	0.001 (J)					<0.005	0.00052 (J)
2/17/2022				0.0024 (J)		0.00056 (J)			
7/28/2022	<0.005		0.0012 (J)	0.0038 (J)		<0.005			0.00042 (J)
7/29/2022		0.0022 (J)			<0.005				
8/2/2022							0.0019 (J)	<0.005	
1/27/2023	<0.005								
1/30/2023			0.0014 (J)	0.0029 (J)		<0.005			
1/31/2023		0.0029 (J)							0.00046 (J)
2/1/2023					<0.005				
2/2/2023							<0.005		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/7/2023							0.0014 (J)		
8/18/2023	<0.005	0.001 (J)	0.0014 (J)						<0.005
8/21/2023					<0.005		0.0017 (J)		
8/23/2023								<0.005	
8/24/2023				0.0017 (J)		<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.00075 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.00053 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.00044 (J)
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	<0.005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.0004 (J)
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	0.00067 (J)
2/2/2023	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

2/7/2023

8/18/2023

8/21/2023

8/23/2023 0.00049 (J)

8/24/2023

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									
6/8/2016								0.00081 (J)	0.00013 (J)
8/10/2016									0.0003 (J)
8/11/2016								0.0007 (J)	
10/4/2016									<0.005
10/5/2016									
10/6/2016								<0.01	
12/2/2016									<0.005
12/5/2016									
12/6/2016								0.0009 (J)	
2/14/2017									<0.005
2/15/2017								<0.01	
4/14/2017									<0.005
4/17/2017									
4/18/2017								0.0005 (J)	
5/26/2017									<0.005
6/2/2017								0.0006 (J)	
7/10/2017									<0.005
7/11/2017									
7/14/2017								0.0006 (J)	
3/26/2018									<0.005
3/27/2018								<0.01	
6/12/2018									<0.005
6/13/2018								0.00068 (J)	
10/16/2018									<0.005
10/17/2018									
10/18/2018								<0.01	
2/25/2019									<0.005
2/28/2019								0.00067 (J)	
4/1/2019									5.6E-05 (J)
4/2/2019								0.00094 (J)	
9/24/2019								0.00078 (J)	0.0012 (J)
2/19/2020									<0.005
2/20/2020									
2/21/2020								0.00081 (J)	
3/18/2020									<0.005
3/19/2020								0.00091 (J)	
9/3/2020	<0.005	0.002 (J)	<0.005						
9/23/2020									<0.005
9/24/2020									
9/25/2020								0.00077 (J)	
1/28/2021						<0.005	0.0048 (J)		
2/16/2021									<0.005
2/17/2021									
2/18/2021			<0.005					0.00074 (J)	
2/22/2021	<0.005								
2/23/2021						<0.005	0.0033 (J)		
3/8/2021		0.0043 (J)							
3/24/2021									<0.005
3/29/2021		0.0057							
3/30/2021						<0.005	0.0031 (J)	0.00085 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Date	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			<0.005						
4/1/2021	<0.005								
4/19/2021				0.00079 (J)	0.0013 (J)				
7/20/2021		0.0057							
8/18/2021			<0.005		0.0016 (J)				<0.005
8/19/2021								0.0008 (J)	
8/20/2021	<0.005								
8/23/2021		0.0051				<0.005	0.0036 (J)		
8/24/2021				0.001 (J)					
2/9/2022			<0.005		0.00079 (J)				
2/10/2022									<0.005
2/11/2022								0.00068 (J)	
2/14/2022						<0.005	0.00044 (J)		
2/15/2022		0.0038 (J)							
2/17/2022	<0.005			0.00088 (J)					
7/26/2022			<0.005		0.00072 (J)				<0.005
7/28/2022	<0.005						0.00082 (J)	0.00074 (J)	
8/1/2022		0.0024 (J)		0.00065 (J)		<0.005			
1/25/2023			<0.005		0.00066 (J)				
1/26/2023								0.00068 (J)	<0.005
1/30/2023	<0.005								
1/31/2023						<0.005	0.0045 (J)		
2/1/2023				0.00089 (J)					
2/7/2023		0.0016 (J)							
8/15/2023			<0.005		0.0004 (J)				
8/16/2023									<0.005
8/17/2023								0.00066 (J)	
8/21/2023						<0.005			
8/22/2023				0.00093 (J)			0.0035 (J)		
8/23/2023		0.0031 (J)							
8/24/2023	<0.005								

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0003 (J)
10/4/2016	
10/5/2016	<0.005
10/6/2016	
12/2/2016	
12/5/2016	0.0006 (J)
12/6/2016	
2/14/2017	
2/15/2017	<0.005
4/14/2017	
4/17/2017	<0.005
4/18/2017	
5/26/2017	<0.005
6/2/2017	
7/10/2017	
7/11/2017	<0.005
7/14/2017	
3/26/2018	
3/27/2018	<0.005
6/12/2018	<0.005
6/13/2018	
10/16/2018	
10/17/2018	<0.005
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.00024 (J)
4/2/2019	
9/24/2019	<0.005
2/19/2020	
2/20/2020	<0.005
2/21/2020	
3/18/2020	
3/19/2020	<0.005
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.005
3/29/2021	
3/30/2021	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	<0.005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.005
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.005
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.005
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.838					0.239 (U)			
6/7/2016							0.616	0.024 (U)	
8/9/2016	1.18								
8/10/2016						1.19			
8/11/2016									
8/12/2016								0.849	
8/16/2016							1.08		
8/22/2016		0.356 (U)							
10/3/2016	0.815 (U)								
10/4/2016		0.0834 (U)				0.231 (U)			
10/6/2016								1.57	
10/7/2016							2.82		
11/29/2016	0.887 (U)								
12/1/2016		0.208 (U)				0.428 (U)			
12/5/2016								0.956	
12/6/2016							0.719 (U)		
1/10/2017		0.024 (U)							
2/13/2017	0.869 (U)								
2/14/2017		0.105 (U)				0.36 (U)			
2/15/2017								0.229 (U)	
2/16/2017							0.966 (U)		
4/13/2017	1.21 (U)					0.387 (U)			
4/14/2017		0.803 (U)							
4/18/2017							1.01 (U)	0.0114 (U)	
5/25/2017	1.54	0.569 (U)				0.123 (U)			
5/30/2017									
6/2/2017							1.13 (U)	0.375 (U)	
7/7/2017	1.45					0.876 (U)			
7/10/2017		0.589 (U)							
7/12/2017							1.29		
7/13/2017								0.636 (U)	
7/14/2017									
3/26/2018	0.529 (U)	0.513 (U)							
3/27/2018							0.779 (U)		
3/28/2018								0.36 (U)	
6/12/2018	0.945 (U)	0.516 (U)							
6/14/2018							1.22 (U)	0.316 (U)	
10/16/2018	0.57 (U)	0.146 (U)				0.881 (U)			
10/17/2018								0.326 (U)	
10/18/2018							0.841 (U)		
2/25/2019	1.43								
2/27/2019		0.941 (U)							
2/28/2019							1.88	1.04	
4/1/2019	1.44 (U)	0.66 (U)						0.328 (U)	
4/2/2019						0.64 (U)	1.21 (U)		
4/3/2019			0.69 (U)						
9/23/2019	1.82	1.25				1.13			
9/25/2019							0.816 (U)	0.649 (U)	
9/26/2019									
10/4/2019			1.02 (U)						
2/18/2020	1.33					0.373 (U)			
2/19/2020		1.28							

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							1.47 (U)		
2/21/2020			0.504 (U)						
2/24/2020								0.455 (U)	
3/18/2020	1.31 (U)	1.2 (U)							
3/19/2020						0.431 (U)		0.838 (U)	
3/20/2020			0.6 (U)						
3/23/2020							1.69		
5/22/2020				1.21 (U)					1.82
5/25/2020					1.21 (U)				
6/23/2020				0.955 (U)	1.44				1.05 (U)
7/28/2020				1.59	0.592 (U)				1.71
9/2/2020				0.59 (U)					0.0158 (U)
9/3/2020					1.06 (U)				
9/23/2020	1.43	0.53 (U)				0.293 (U)			
9/24/2020							1.19 (U)		
9/25/2020								0.818 (U)	
9/28/2020			0.963 (U)						
10/1/2020				0.754 (U)	0.597 (U)				1.19 (U)
11/10/2020				0.403 (U)	0.188 (U)				0.675 (U)
12/15/2020				0.263 (U)	0.464 (U)				1.26
1/20/2021				0.669 (U)	1.33 (U)				0.701 (U)
2/16/2021	0.938 (U)	0.344 (U)							
2/17/2021				0.537 (U)	1.1 (U)				
2/18/2021						0.232 (U)	1.52		1
2/19/2021			1.11					0.608 (U)	
3/23/2021		0.322 (U)							
3/24/2021								0.369 (U)	1.1 (U)
3/25/2021				1.15 (U)	1.08 (U)				
3/26/2021	1.03 (U)								
3/30/2021							1.51 (U)		
3/31/2021						0.301 (U)			
4/1/2021			0.58 (U)						
8/16/2021	0.684 (U)	0.539 (U)		0.536 (U)	0.0949 (U)	0.813 (U)			
8/18/2021							1.26	0.19 (U)	0.721 (U)
8/25/2021			0.377 (U)						
2/9/2022	0.264 (U)			0.539 (U)	0.504 (U)	0.296 (U)			0.355 (U)
2/10/2022		0.181 (U)							
2/11/2022							1.01 (U)	0.288 (U)	
2/16/2022			0.54 (U)						
7/26/2022	1.53	0.634 (U)		1.51	1.27 (U)	1.15 (U)			0.659 (U)
7/27/2022								0.705 (U)	
7/28/2022							1.18 (U)		
1/24/2023	1.52	0.711 (U)		0.955 (U)	0.589 (U)				
1/25/2023						0.723			
1/26/2023								0.664 (U)	1.31
1/27/2023							1.82		
2/2/2023			1.21						
8/15/2023				0.758 (U)		0.409 (U)			
8/16/2023		0.252 (U)			0.578 (U)			0.621 (U)	0.263 (U)
8/17/2023							0.942 (U)		
8/21/2023	0.561 (U)								
8/23/2023			1.19						

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	0.284 (U)
8/9/2016	
8/10/2016	
8/11/2016	1.71
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.485 (U)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	1.22
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.19 (U)
4/13/2017	
4/14/2017	
4/18/2017	0.52 (U)
5/25/2017	
5/30/2017	1.21 (U)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.526 (U)
3/26/2018	
3/27/2018	1.34
3/28/2018	
6/12/2018	0.732 (U)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.522 (U)
2/25/2019	1.08
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	1.73
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	1.45
10/4/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	1.22 (U)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	1.63
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.469 (U)
9/25/2020	
9/28/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.721 (U)
2/19/2021	
3/23/2021	
3/24/2021	0.92 (U)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	1.05
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	1.03
2/16/2022	
7/26/2022	
7/27/2022	0.917 (U)
7/28/2022	
1/24/2023	
1/25/2023	
1/26/2023	1.21 (U)
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	1.21 (U)
8/21/2023	
8/23/2023	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.135 (U)								
6/8/2016		0.406	0.264 (U)	0.863 (U)	0.573	1.53			0.314 (U)
6/9/2016							0.704	2.13	
8/11/2016	0.808								
8/12/2016		1.39	1.18	1.74					
8/15/2016									1.2
8/18/2016					0.44 (U)	2.47	1.88	2.67	
10/7/2016	0.874 (U)	0.451 (U)	1.97						
10/10/2016				0.944 (U)	0.933 (U)	2.11	1.48	3.46	1.03 (U)
12/6/2016	0.131 (U)	0.516 (U)							
12/7/2016			1.31 (U)	2.29			2.61	1.65	
12/8/2016					1.02 (U)	2.64			1.47 (U)
1/23/2017									
2/7/2017									
2/16/2017	0.471 (U)	0.172 (U)	0.35 (U)						
2/17/2017				1.35 (U)	0.193 (U)	1.34			
2/20/2017							0.884 (U)	2.68	0.547 (U)
4/17/2017									
4/19/2017	0.65 (U)	0.704 (U)	0.974 (U)	1.48	0.488 (U)		0.948 (U)	3.81	
4/20/2017						2.35			0.0595 (U)
5/22/2017									
5/30/2017	0.65 (U)								
6/1/2017		0.493 (U)	0.332 (U)	1.61	0.837 (U)				0.67 (U)
6/5/2017						1.6	1.33	2.86	
7/11/2017									
7/14/2017	0.592 (U)	0.547 (U)	1.27						
7/17/2017							1.04	2.87	1.25 (U)
7/18/2017					0.498 (U)				
7/19/2017				1.626		1.76			
8/23/2017									
3/26/2018									
3/27/2018	0.551 (U)	0.569 (U)	0.169 (U)						
3/28/2018				0.97 (U)	0.864 (U)				0.507 (U)
3/29/2018						2.43	1.65	2.79	
6/13/2018				0.686 (U)			0.983 (U)	2.19	
6/14/2018	0.638 (U)	0.989 (U)			0.583 (U)	2.14			0.721 (U)
6/15/2018			0.625 (U)						
10/17/2018	0.555 (U)								
10/18/2018		0.875 (U)							
10/19/2018			0.784 (U)		0.982 (U)				
10/22/2018				0.559 (U)		1.43	1.21	2.18	0.741 (U)
2/27/2019	1.57	1.12		1.24					
3/1/2019			0.989 (U)			3.32	2.24	3.37	0.634 (U)
4/2/2019	0.71 (U)	0.814 (U)							
4/3/2019			0.98 (U)	0.567 (U)	0.532 (U)	2.48	2.86	3.6	
4/4/2019									0.346 (U)
9/26/2019	1.17 (U)	0.973 (U)	1.16	0.662 (U)					
9/27/2019						2.83	2.28		
9/30/2019					1.16 (U)			2.73	0.953 (U)
2/24/2020	1.17	1.07	1.19	1.38					
2/25/2020						1.7	2.49		
2/26/2020					1.08 (U)			2.4	1.16

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/19/2020	0.626 (U)								
3/20/2020		2.59	0.89 (U)		1.08 (U)	3.6			
3/23/2020				1.27 (U)			1.68		
3/24/2020									0.899 (U)
3/25/2020								4.72	
9/24/2020	0.594 (U)	0.789 (U)			0.157 (U)	4.18	0.56 (U)		
9/25/2020								1.49	
9/28/2020			1.11 (U)	1.07 (U)					0.744 (U)
2/18/2021	0.723 (U)	0.62 (U)	1.05 (U)	0.87 (U)					
2/19/2021					1 (U)	2.63	1.17 (U)	1.07 (U)	
2/23/2021									0.456 (U)
3/8/2021									
3/24/2021	0.391 (U)	1.21 (U)							
3/25/2021									
3/26/2021			0.848 (U)				1.04 (U)	2.91	0.134 (U)
3/29/2021				1.49	0.471 (U)	4.1			
8/19/2021	0.742 (U)	0.858 (U)							0.908 (U)
8/20/2021			0.731 (U)	1.42	0.277 (U)				
8/23/2021						3.25	1.2 (U)	1.77 (U)	
2/11/2022	0.208 (U)								
2/14/2022							0.563 (U)		
2/15/2022						1.94		14.2 (U)	
2/16/2022		0.708 (U)	0.349 (U)	0.322 (U)	0.49 (U)				0.189 (U)
7/27/2022	0.138 (U)	0.737 (U)	0.964 (U)	1.53					1.09 (U)
7/28/2022					0.424 (U)				
8/1/2022							2.28		
8/2/2022						2.32		0.84 (U)	
1/26/2023	1.02 (U)	1.46							
1/27/2023			1.16		0.28 (U)				0.768 (U)
1/30/2023				0.563 (U)					
2/1/2023								1.3	
2/2/2023							0.783 (U)		
2/7/2023						1.45			
8/17/2023	1.04 (U)	1.16 (U)							0.909 (U)
8/18/2023			1.49 (U)	0.256 (U)					
8/21/2023									
8/22/2023						2.43			
8/23/2023					0.704 (U)		0.799 (U)		
8/25/2023								1.63 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	2.17
2/7/2017	3
2/16/2017	
2/17/2017	
2/20/2017	
4/17/2017	2.73
4/19/2017	
4/20/2017	
5/22/2017	3.15
5/30/2017	
6/1/2017	
6/5/2017	0.86 (U)
7/11/2017	1.87
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	3.39
3/26/2018	1.61
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.815 (U)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	1.02 (U)
2/27/2019	
3/1/2019	2.47
4/2/2019	2.29
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	1.23 (U)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	1.09 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

3/19/2020	
3/20/2020	
3/23/2020	1.42
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.783 (U)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.429 (U)
3/24/2021	
3/25/2021	1.48
3/26/2021	
3/29/2021	
8/19/2021	1.63
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.744 (U)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	1.01 (U)
8/2/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.936
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	0.986 (U)
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					1.24				
10/18/2018	0.96								
10/19/2018			2.28						
10/22/2018		1.22 (U)		1.54					
4/2/2019					2.81				
4/4/2019	1.49		1.89	2.37					
4/5/2019		2.2							
9/24/2019	1.68		3.98						
9/26/2019		2.36		3.09					
9/27/2019					1.66				
2/25/2020				4.16		2.87			
2/26/2020	1.31				1.76				
2/27/2020		1.44	1.31				5.89	1.03 (U)	
2/28/2020									0.649 (U)
3/23/2020	2.39				2.75				
3/24/2020		1.25 (U)	2.56			2.8	5.9	1.35	
3/25/2020				2.81					0.848 (U)
9/2/2020							5.91		
9/25/2020		2.62		2.15		3.29			
9/28/2020	1.48		2.12		1.59				
9/29/2020								1.71	0.441 (U)
2/19/2021			2.23						
2/22/2021	1.07 (U)			2.03		1.73		1.65	1.31 (U)
2/23/2021		1.55							
3/8/2021					2.09				
3/9/2021							3.34		
3/25/2021					2.43				
3/26/2021				2.4		3.15			
3/29/2021	1.63						3.54		
3/30/2021		2.04	1.35 (U)						0.826 (U)
3/31/2021								0.251 (U)	
8/19/2021							4.63		
8/20/2021	1.82			2.53		3.01			
8/23/2021					0.857 (U)				
8/24/2021			2.39					0.432 (U)	0.21 (U)
8/25/2021		0.784 (U)							
2/14/2022					1.43		4.6		
2/15/2022									
2/16/2022	1.02	1.16 (U)	2.24					0.799	0.473 (U)
2/17/2022				1.88		2.41			
7/28/2022	0.684 (U)		2.74	2.71		2.92			0.656 (U)
7/29/2022		1.82			1.47 (U)				
8/2/2022							3.64	0.93 (U)	
1/27/2023	1.46								
1/30/2023			2.58	2.3		2.14			
1/31/2023		1.49							0.498 (U)
2/1/2023					1.17				
2/2/2023								0.942 (U)	
2/7/2023							2.93		
8/18/2023	1.82	1.24 (U)	2.36						1.14 (U)
8/21/2023					1.19 (U)		3.26		
8/23/2023								1.46 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/24/2023				3.09		3.06			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	1.31 (U)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	1.91
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	1
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.918 (U)
8/25/2021	
2/14/2022	
2/15/2022	0.765 (U)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	1.6
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	1.59
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	2.06

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

8/24/2023

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.0507 (U)
6/8/2016								0.854	
8/10/2016									0.862 (U)
8/11/2016								1.24	
10/4/2016									0.48 (U)
10/5/2016									
10/6/2016								2.43	
12/2/2016									0.219 (U)
12/5/2016									
12/6/2016								0.958 (U)	
2/14/2017									0.636 (U)
2/15/2017								1.18	
4/14/2017									0.13 (U)
4/17/2017									
4/18/2017								1.26	
5/26/2017									0.349 (U)
6/2/2017								1.24 (U)	
7/10/2017									0.565 (U)
7/11/2017									
7/14/2017								1.55	
3/26/2018									0.303 (U)
3/27/2018								2.15	
6/12/2018									0.494 (U)
6/13/2018								1.95	
10/16/2018									0.633 (U)
10/17/2018									
10/18/2018								1.1	
2/25/2019									1.03 (U)
2/28/2019								1.38	
4/1/2019									0.474 (U)
4/2/2019								1.57	
9/24/2019								1.85	1.69
2/19/2020									1.02 (U)
2/20/2020									
2/21/2020								2.02	
3/18/2020									0.987 (U)
3/19/2020								1.18 (U)	
9/3/2020	1.05 (U)	1.9	0.982 (U)						
9/23/2020									0.25 (U)
9/24/2020									
9/25/2020								1.64	
1/28/2021						0.444 (U)	1.59		
2/16/2021									0.709 (U)
2/17/2021									
2/18/2021			1.34					1.09	
2/22/2021	0.578 (U)								
2/23/2021						0.589 (U)	0.567 (U)		
3/8/2021		1.34							
3/24/2021									0.808 (U)
3/29/2021		1.62 (U)							
3/30/2021						0.852 (U)	1.66 (U)	1.41 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.488
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.639 (U)
10/4/2016	
10/5/2016	0.945 (U)
10/6/2016	
12/2/2016	
12/5/2016	2.2
12/6/2016	
2/14/2017	
2/15/2017	0.74 (U)
4/14/2017	
4/17/2017	0.764 (U)
4/18/2017	
5/26/2017	0.245 (U)
6/2/2017	
7/10/2017	
7/11/2017	0.502 (U)
7/14/2017	
3/26/2018	
3/27/2018	0.745 (U)
6/12/2018	0.319 (U)
6/13/2018	
10/16/2018	
10/17/2018	0.319 (U)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.225 (U)
4/2/2019	
9/24/2019	1.65
2/19/2020	
2/20/2020	0.921 (U)
2/21/2020	
3/18/2020	
3/19/2020	1.94
9/3/2020	
9/23/2020	
9/24/2020	0.9 (U)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.692 (U)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.554 (U)
3/29/2021	
3/30/2021	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.458 (U)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.86
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.866 (U)
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.248 (U)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.711 (U)
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.11 (J)					<0.1			
6/7/2016							0.09 (J)	<0.1	
8/9/2016	0.09 (J)								
8/10/2016						0.04 (J)			
8/11/2016									
8/12/2016								0.08 (J)	
8/16/2016							0.09 (J)		
8/22/2016		0.04 (J)							
10/3/2016	0.11 (J)								
10/4/2016		0.06 (J)				0.06 (J)			
10/6/2016								0.06 (J)	
10/7/2016							0.17 (J)		
11/29/2016	0.11 (J)								
12/1/2016		0.08 (J)				0.09 (J)			
12/5/2016								0.12 (J)	
12/6/2016							0.16 (J)		
1/10/2017		0.03 (J)							
2/13/2017	0.12 (J)								
2/14/2017		<0.1				<0.1			
2/15/2017								0.33	
2/16/2017							0.38		
4/13/2017	0.1 (J)					0.04 (J)			
4/14/2017		0.01 (J)							
4/18/2017							0.12 (J)	0.006 (J)	
5/25/2017	0.08 (J)	0.005 (J)				0.02 (J)			
5/30/2017									
6/2/2017							0.03 (J)	0.04 (J)	
7/7/2017	0.13 (J)					0.12 (J)			
7/10/2017		0.06 (J)							
7/12/2017							0.15 (J)		
7/13/2017								0.17 (J)	
7/14/2017									
10/9/2017	0.11 (J)					<0.1			
10/10/2017		<0.1						0.08 (J)	
10/11/2017							0.07 (J)		
3/26/2018	<0.1	<0.1							
3/27/2018							<0.1		
3/28/2018								<0.1	
6/12/2018	0.086 (J)	0.053 (J)							
6/14/2018							0.046 (J)	<0.1	
10/16/2018	0.06 (J)	<0.1				<0.1			
10/17/2018								<0.1	
10/18/2018							<0.1		
2/25/2019	<0.1								
2/27/2019		<0.1							
2/28/2019							0.14 (J)	0.18 (J)	
4/1/2019	0.047 (J)	<0.1						0.065 (J)	
4/2/2019						<0.1	0.044 (J)		
4/3/2019			0.085 (J)						
5/2/2019	<0.1								
9/23/2019	0.076 (J)	<0.1				<0.1			
9/25/2019							0.075 (J)	0.13 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
9/26/2019									
9/27/2019			0.33						
2/18/2020	<0.1					<0.1			
2/19/2020		<0.1							
2/20/2020							<0.1		
2/21/2020			0.059 (J)						
2/24/2020								0.051 (J)	
3/18/2020	<0.1	<0.1							
3/19/2020						<0.1		<0.1	
3/20/2020			0.061 (J)						
3/23/2020							<0.1		
5/22/2020				0.054 (J)					0.065 (J)
5/25/2020					0.19 (J)				
6/23/2020				<0.1	0.19				<0.1
7/28/2020				<0.1	0.57				<0.1
9/2/2020				<0.1					0.061 (J)
9/3/2020					0.11				
9/23/2020	<0.1	<0.1				<0.1			
9/24/2020							<0.1		
9/25/2020			0.068 (J)					<0.1	
10/1/2020				<0.1	0.063 (J)				<0.1
11/10/2020				<0.1	<0.1				<0.1
12/15/2020				<0.1	<0.1				0.052
1/20/2021				<0.1	<0.1				<0.1
2/16/2021	<0.1	<0.1							
2/17/2021				<0.1	<0.1				
2/18/2021						<0.1	<0.1		0.055 (J)
2/19/2021			0.062 (J)					<0.1	
3/23/2021		<0.1							
3/24/2021								<0.1	<0.1
3/25/2021				<0.1	<0.1				
3/26/2021	<0.1								
3/30/2021							<0.1		
3/31/2021						<0.1			
4/1/2021			0.06 (J)						
8/16/2021	<0.1	<0.1		<0.1	<0.1	<0.1			
8/18/2021							<0.1	<0.1	<0.1
8/25/2021			0.088 (J)						
2/9/2022	<0.1			<0.1	0.065 (J)	<0.1			<0.1
2/10/2022		<0.1							
2/11/2022							<0.1	<0.1	
2/16/2022			0.061 (J)						
7/26/2022	0.066 (J)	0.058 (J)		0.064 (J)	0.086 (J)	0.052 (J)			0.082 (J)
7/27/2022								0.081 (J)	
7/28/2022							0.064 (J)		
8/3/2022			0.079 (J)						
1/24/2023	0.055 (J)	0.052 (J)		0.05 (J)	0.076 (J)				
1/25/2023						0.066 (J)			
1/26/2023								0.083 (J)	0.084 (J)
1/27/2023							0.058 (J)		
2/2/2023			0.077 (J)						
8/15/2023				0.06 (J)		<0.1			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
8/16/2023		0.06 (J)			0.075 (J)				
8/17/2023							0.05 (J)	0.089 (J)	0.076 (J)
8/21/2023	<0.1								
8/23/2023			0.056 (J)						

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	<0.1
8/9/2016	
8/10/2016	
8/11/2016	0.12 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.08 (J)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.24 (J)
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.31
4/13/2017	
4/14/2017	
4/18/2017	0.02 (J)
5/25/2017	
5/30/2017	0.51
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.14 (J)
10/9/2017	
10/10/2017	
10/11/2017	0.29 (J)
3/26/2018	
3/27/2018	<0.1
3/28/2018	
6/12/2018	0.061 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.1
2/25/2019	0.13 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.23 (J)
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Date	Value
9/26/2019	<0.1
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.1
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.052 (J)
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.059 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.064 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.053 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.1
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.056 (J)
2/16/2022	
7/26/2022	
7/27/2022	0.091 (J)
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.091 (J)
1/27/2023	
2/2/2023	
8/15/2023	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

8/16/2023

8/17/2023

8/21/2023

8/23/2023

0.074 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.15 (J)								
6/8/2016		0.1 (J)	<0.1	0.09 (J)	<0.1	0.43			0.14 (J)
6/9/2016							0.12 (J)	<0.1	
8/11/2016	0.3 (J)								
8/12/2016		0.39	0.2 (J)	0.04 (J)					
8/15/2016									0.08 (J)
8/18/2016					0.09 (J)	0.3 (J)	0.08 (J)	0.24 (J)	
10/7/2016	0.14 (J)	0.16 (J)	0.07 (J)						
10/10/2016				0.06 (J)	0.04 (J)	0.32	0.09 (J)	0.3	0.1 (J)
12/6/2016	0.19 (J)	0.32							
12/7/2016			0.09 (J)	0.07 (J)			0.08 (J)	0.05 (J)	
12/8/2016					0.08 (J)	0.26 (J)			0.06 (J)
1/23/2017									
2/7/2017									
2/16/2017	0.51	0.38	0.6						
2/17/2017				0.06 (J)	0.08 (J)	0.39			
2/20/2017							0.09 (J)	0.65	0.16 (J)
3/27/2017									
4/17/2017									
4/19/2017	0.18 (J)	0.08 (J)	0.09 (J)	0.005 (J)	0.04 (J)		0.03 (J)	0.21 (J)	
4/20/2017						0.34			0.02 (J)
5/22/2017									
5/30/2017	0.15 (J)								
6/1/2017		0.09 (J)	0.05 (J)	0.65	0.03 (J)				0.04 (J)
6/5/2017						0.29 (J)	<0.1	0.05 (J)	
7/11/2017									
7/14/2017	0.16 (J)	0.06 (J)	0.08 (J)						
7/17/2017							0.09 (J)	2.5	0.07 (J)
7/18/2017				0.36	0.08 (J)				
7/19/2017						0.33			
8/23/2017									
10/10/2017									
10/11/2017	0.64	0.14 (J)	0.11 (J)	<0.1			0.09 (J)	1.8	0.11 (J)
10/12/2017					0.12 (J)	0.31			
3/26/2018									
3/27/2018	0.33	<0.1	<0.1						
3/28/2018				<0.1	<0.1				<0.1
3/29/2018						0.58	<0.1	2	
6/13/2018				0.038 (J)			0.71	3.1	
6/14/2018	0.11 (J)	0.095 (J)			<0.1	0.15 (J)			<0.1
6/15/2018			0.07 (J)						
10/17/2018	<0.3								
10/18/2018		0.054 (J)							
10/19/2018			0.17 (J)		<0.1				
10/22/2018				<0.1		0.78	0.81	3.1	<0.1
2/27/2019	0.26 (J)	<0.1		0.13 (J)					
3/1/2019			0.14 (J)			0.34	0.38	1	0.12 (J)
4/2/2019	0.14 (J)	0.044 (J)							
4/3/2019			0.051 (J)	0.072 (J)	0.032 (J)	0.23 (J)	0.1 (J)	3	
4/4/2019									<0.1
5/2/2019						1.4			
9/26/2019	0.071 (J)	0.052 (J)	<0.1	<0.1					

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/27/2019						1	0.54		
9/30/2019					0.066 (J)			1.2	0.065 (J)
2/24/2020	0.11 (J)	<0.1	0.05 (J)	<0.1					
2/25/2020						0.24 (J)	0.066 (J)		
2/26/2020					<0.1			0.064 (J)	<0.1
3/19/2020	0.12 (J)								
3/20/2020		<0.1	<0.1		<0.1	0.23 (J)			
3/23/2020				<0.1			0.056 (J)		
3/24/2020									<0.1
3/25/2020								0.056 (J)	
9/24/2020	0.12	0.058 (J)			<0.1	0.24	0.062 (J)		
9/25/2020								0.054 (J)	
9/28/2020			<0.1	<0.1					<0.1
2/18/2021	0.1	<0.1	<0.1	<0.1					
2/19/2021					<0.1	0.2	<0.1	0.14	
2/23/2021									<0.1
3/8/2021									
3/24/2021	0.11	<0.1							
3/25/2021									
3/26/2021			0.053 (J)				0.054 (J)	0.095 (J)	<0.1
3/29/2021				<0.1	<0.1	0.22			
7/19/2021						0.24	0.065 (J)	0.13	
7/20/2021									
8/19/2021	0.097 (J)	<0.1							<0.1
8/20/2021			<0.1	<0.1	<0.1				
8/23/2021						0.23	<0.1	0.12	
11/1/2021						0.25	0.068 (J)	0.15	
2/11/2022	0.1								
2/14/2022							<0.1		
2/15/2022						0.24		<0.1	
2/16/2022		<0.1	<0.1	<0.1	<0.1				<0.1
7/27/2022	0.13	0.081 (J)	0.071 (J)	0.062 (J)					0.051 (J)
7/28/2022					<0.1				
8/1/2022							0.07 (J)		
8/2/2022						0.19		0.097 (J)	
10/21/2022								0.14 (R)	
1/26/2023	0.13	0.056 (J)							
1/27/2023			0.077 (J)		<0.1				0.053 (J)
1/30/2023				0.064 (J)					
2/1/2023								0.18	
2/2/2023							0.074 (J)		
2/7/2023						0.26			
8/17/2023	0.12	0.056 (J)							<0.1
8/18/2023			0.077 (J)	0.068 (J)					
8/21/2023									
8/22/2023						0.23			
8/23/2023					<0.1		<0.1		
8/25/2023								0.15	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.06 (J)
2/7/2017	0.09 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.09 (J)
4/17/2017	0.36
4/19/2017	
4/20/2017	
5/22/2017	0.05 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.32
7/11/2017	0.13 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.17 (J)
10/10/2017	0.35
10/11/2017	
10/12/2017	
3/26/2018	0.75
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.51
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.44
2/27/2019	
3/1/2019	0.24 (J)
4/2/2019	0.68
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/27/2019	0.13 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	0.057 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.054 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.1
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.1
3/24/2021	
3/25/2021	<0.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	<0.1
8/19/2021	<0.1
8/20/2021	
8/23/2021	
11/1/2021	0.055 (J)
2/11/2022	
2/14/2022	0.075 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.09 (J)
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.092 (J)
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	0.065 (J)
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					<0.3				
10/18/2018	<0.1								
10/19/2018			<0.1						
10/22/2018		0.65		0.91					
4/2/2019					0.44				
4/4/2019	<0.1		0.035 (J)	0.26 (J)					
4/5/2019		0.66							
5/3/2019		1.3							
9/24/2019	<0.1		<0.1						
9/26/2019		0.15 (J)		0.11 (J)					
9/27/2019					0.26 (J)				
11/15/2019		0.51							
12/13/2019								0.16 (J)	
12/16/2019									0.13 (J)
2/25/2020				0.14 (J)		0.57			
2/26/2020	<0.1				0.13 (J)				
2/27/2020		0.13 (J)	<0.1				0.55	0.071 (J)	
2/28/2020									0.062 (J)
3/23/2020	<0.1				0.13 (J)				
3/24/2020		0.13 (J)	<0.1			0.43	0.61	0.06 (J)	
3/25/2020				0.17 (J)					<0.1
5/4/2020									
9/2/2020							0.47		
9/25/2020		0.097 (J)		0.17		0.34			
9/28/2020	<0.1		<0.1		0.1				
9/29/2020								<0.1	<0.1
2/19/2021			<0.1						
2/22/2021	<0.1			0.21		0.3		0.095 (J)	<0.1
2/23/2021		0.13							
3/8/2021					0.14				
3/9/2021							0.67		
3/25/2021					0.12				
3/26/2021				0.13		0.27			
3/29/2021	<0.1						0.73		
3/30/2021		0.14	<0.1						0.06 (J)
3/31/2021								0.08 (J)	
8/19/2021							0.4		
8/20/2021	<0.1			0.22		0.18			
8/23/2021					0.11				
8/24/2021			<0.1					0.18	0.076 (J)
8/25/2021		0.15							
11/1/2021							0.32		
2/14/2022					0.12		0.34		
2/15/2022									
2/16/2022	<0.1	0.13	<0.1					0.11	0.068 (J)
2/17/2022				0.21		0.16			
7/28/2022	<0.1		0.053 (J)	0.23		0.19			0.092 (J)
7/29/2022		0.16			0.14				
8/2/2022							0.46	0.12	
1/27/2023	<0.1								
1/30/2023			0.06 (J)	0.17		0.16			
1/31/2023		0.13							0.084 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/1/2023					0.13				
2/2/2023								0.098 (J)	
2/7/2023							0.11		
8/18/2023	<0.1	0.14	0.052 (J)						0.089 (J)
8/21/2023					0.11		0.12		
8/23/2023								0.11	
8/24/2023				0.1		0.14			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	<0.1
9/2/2020	0.088 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.099 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.077 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.11
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	0.07 (J)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.1
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D
2/1/2023	0.084 (J)
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	<0.1
8/24/2023	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.1
6/8/2016								0.19 (J)	
8/10/2016									0.07 (J)
8/11/2016								0.15 (J)	
10/4/2016									0.07 (J)
10/5/2016									
10/6/2016								0.17 (J)	
12/2/2016									0.09 (J)
12/5/2016									
12/6/2016								0.22 (J)	
2/14/2017									0.02 (J)
2/15/2017								0.18 (J)	
4/14/2017									0.02 (J)
4/17/2017									
4/18/2017								0.11 (J)	
5/26/2017									0.02 (J)
6/2/2017								0.07 (J)	
7/10/2017									0.03 (J)
7/11/2017									
7/14/2017								0.23 (J)	
10/10/2017									<0.1
10/11/2017								0.1 (J)	
3/26/2018									<0.1
3/27/2018								<0.3	
6/12/2018									0.061 (J)
6/13/2018								0.25 (J)	
10/16/2018									<0.1
10/17/2018									
10/18/2018								0.047 (J)	
2/25/2019									<0.1
2/28/2019								0.23 (J)	
4/1/2019									<0.1
4/2/2019								0.22 (J)	
9/24/2019								0.12 (J)	<0.1
2/19/2020									<0.1
2/20/2020									
2/21/2020								0.12 (J)	
3/18/2020									<0.1
3/19/2020								0.12 (J)	
5/4/2020		0.93	<0.1						
5/11/2020	0.34								
5/20/2020	0.4	0.78							
9/3/2020	0.5	0.87	<0.1						
9/23/2020									<0.1
9/24/2020									
9/25/2020								0.11	
1/28/2021						0.17	0.1		
2/16/2021									<0.1
2/17/2021									
2/18/2021			0.16					0.13	
2/22/2021	0.69								

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
2/23/2021						0.087 (J)	0.073 (J)		
3/8/2021		0.9							
3/24/2021									<0.1
3/29/2021		1							
3/30/2021						0.11	0.12	0.18	
3/31/2021			0.088 (J)						
4/1/2021	0.72								
4/19/2021				0.055 (J)	0.078 (J)				
7/20/2021		1.2							
8/18/2021			<0.1		<0.1				<0.1
8/19/2021								0.12	
8/20/2021	0.56								
8/23/2021		1.2				0.084 (J)	0.093 (J)		
8/24/2021				<0.1					
2/9/2022			0.11		0.08 (J)				
2/10/2022									<0.1
2/11/2022								0.12	
2/14/2022						0.13	0.1		
2/15/2022		0.89							
2/17/2022	0.61			<0.1					
7/26/2022			<0.1		0.12				0.067 (J)
7/28/2022	0.55						0.14	0.16	
8/1/2022		0.86		0.087 (J)		0.16			
1/25/2023			0.28		0.16				
1/26/2023								0.15	0.063 (J)
1/30/2023	0.64								
1/31/2023						0.15	0.14		
2/1/2023				0.085 (J)					
2/7/2023		0.97							
8/15/2023			0.16		0.14				
8/16/2023									0.064 (J)
8/17/2023								0.14	
8/21/2023						0.14			
8/22/2023				<0.1			0.098 (J)		
8/23/2023		1.1							
8/24/2023	0.52								

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.12 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.27 (J)
10/4/2016	
10/5/2016	0.12 (J)
10/6/2016	
12/2/2016	
12/5/2016	0.26 (J)
12/6/2016	
2/14/2017	
2/15/2017	0.46
4/14/2017	
4/17/2017	0.14 (J)
4/18/2017	
5/26/2017	0.13 (J)
6/2/2017	
7/10/2017	
7/11/2017	0.2 (J)
7/14/2017	
10/10/2017	0.61
10/11/2017	
3/26/2018	
3/27/2018	0.36
6/12/2018	0.13 (J)
6/13/2018	
10/16/2018	
10/17/2018	0.13 (J)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.33
4/2/2019	
9/24/2019	0.096 (J)
2/19/2020	
2/20/2020	0.063 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.074 (J)
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.091 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.086 (J)
2/18/2021	
2/22/2021	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9	
2/23/2021	
3/8/2021	
3/24/2021	0.075 (J)
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	0.073 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.071 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.11
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.09 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.091 (J)
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.0024					<0.001			
6/7/2016							<0.001	<0.001	
8/9/2016	<0.001								
8/10/2016						<0.001			
8/11/2016									
8/12/2016								0.0001 (J)	
8/16/2016							<0.001		
8/22/2016		<0.001							
10/3/2016	<0.001								
10/4/2016		<0.001				<0.001			
10/6/2016								0.0002 (J)	
10/7/2016							<0.001		
11/29/2016	0.0002 (J)								
12/1/2016		<0.001				<0.001			
12/5/2016								0.0003 (J)	
12/6/2016							<0.001		
1/10/2017		<0.001							
2/13/2017	<0.001								
2/14/2017		<0.001				<0.001			
2/15/2017								<0.001	
2/16/2017							<0.001		
4/13/2017	<0.001					<0.001			
4/14/2017		<0.001							
4/18/2017							<0.001	<0.001	
5/25/2017	0.0001 (J)	<0.001				<0.001			
5/30/2017									
6/2/2017							<0.001	0.0001 (J)	
7/7/2017	<0.001					<0.001			
7/10/2017		<0.001							
7/12/2017							<0.001		
7/13/2017								0.0001 (J)	
7/14/2017									
3/26/2018	<0.001	<0.001							
3/27/2018							<0.001		
3/28/2018								<0.001	
2/25/2019	<0.001								
2/27/2019		<0.001							
2/28/2019							<0.001	<0.001	
4/1/2019	<0.001	<0.001						<0.001	
4/2/2019						7E-05 (J)	<0.001		
4/3/2019			<0.001						
9/23/2019	<0.001	<0.001				<0.001			
9/25/2019							0.00019 (J)	0.00063 (J)	
9/26/2019									
9/27/2019			<0.001						
2/18/2020	<0.001					<0.001			
2/19/2020		<0.001							
2/20/2020							0.00014 (J)		
2/21/2020			<0.001						
2/24/2020								<0.001	
3/18/2020	<0.001	<0.001							
3/19/2020						<0.001		<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.001						
3/23/2020							<0.001		
5/22/2020				8.9E-05 (J)					7.3E-05 (J)
5/25/2020					0.00013 (J)				
6/23/2020				5.8E-05 (J)	8.1E-05 (J)				<0.001
7/28/2020				5.7E-05 (J)	5.2E-05 (J)				<0.001
9/2/2020				7.4E-05 (J)					<0.001
9/3/2020					3.8E-05 (J)				
9/23/2020	0.00014 (J)	<0.001				6.4E-05 (J)			
9/24/2020							<0.001		
9/25/2020			4.5E-05 (J)					<0.001	
10/1/2020				0.00021 (J)	0.00014 (J)				6.2E-05 (J)
11/10/2020				6.5E-05 (J)	0.00013 (J)				0.00011 (J)
12/15/2020				8E-05 (J)	0.00011 (J)				5.6E-05 (J)
1/20/2021				7.2E-05 (J)	0.00025 (J)				<0.001
2/16/2021	0.00011 (J)	4.2E-05 (J)							
2/17/2021				0.00015 (J)	0.00026 (J)				
2/18/2021						5.7E-05 (J)	<0.001		<0.001
2/19/2021			<0.001					8.7E-05 (J)	
3/23/2021		<0.001							
3/24/2021								0.00013 (J)	<0.001
3/25/2021				<0.001	0.00011 (J)				
3/26/2021	6.8E-05 (J)								
3/30/2021							<0.001		
3/31/2021						0.00016 (J)			
4/1/2021			<0.001						
8/16/2021	<0.001	<0.001		<0.001	<0.001	<0.001			
8/18/2021							<0.001	<0.001	<0.001
8/25/2021			<0.001						
2/9/2022	<0.001			<0.001	<0.001	<0.001			<0.001
2/10/2022		<0.001							
2/11/2022							<0.001	<0.001	
2/16/2022			<0.001						
7/26/2022	<0.001	<0.001		<0.001	<0.001	<0.001			<0.001
7/27/2022								<0.001	
7/28/2022							<0.001		
8/3/2022			<0.001						
1/24/2023	<0.001	<0.001		<0.001	<0.001				
1/25/2023						<0.001			
1/26/2023								<0.001	<0.001
1/27/2023							<0.001		
2/2/2023			<0.001						
8/15/2023				<0.001		<0.001			
8/16/2023		<0.001			<0.001			<0.001	<0.001
8/17/2023							<0.001		
8/21/2023	<0.001								
8/23/2023			<0.001						

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.001
8/9/2016	
8/10/2016	
8/11/2016	<0.001
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.001
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.001
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.001
4/13/2017	
4/14/2017	
4/18/2017	<0.001
5/25/2017	
5/30/2017	0.0001 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0002 (J)
3/26/2018	
3/27/2018	<0.001
3/28/2018	
2/25/2019	<0.001
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.001
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.00034 (J)
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	0.00014 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00013 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.00021 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.00013 (J)
2/19/2021	
3/23/2021	
3/24/2021	8E-05 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.001
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.001
2/16/2022	
7/26/2022	
7/27/2022	<0.001
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.001
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.00041 (J)
8/21/2023	
8/23/2023	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.001								
6/8/2016		<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
6/9/2016							<0.001	0.00059 (J)	
8/11/2016	<0.001								
8/12/2016		0.0001 (J)	<0.001	<0.001					
8/15/2016									0.0005 (J)
8/18/2016					<0.001	<0.001	<0.001	<0.001	
10/7/2016	<0.001	<0.001	<0.001						
10/10/2016				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12/6/2016	<0.001	0.0001 (J)							
12/7/2016			<0.001	<0.001			<0.001	<0.001	
12/8/2016					<0.001	<0.001			0.0006 (J)
1/23/2017									
2/7/2017									
2/16/2017	<0.001	0.0002 (J)	<0.001						
2/17/2017				<0.001	<0.001	<0.001			
2/20/2017							<0.001	<0.001	0.0004 (J)
3/27/2017									
4/17/2017									
4/19/2017	<0.001	0.0001 (J)	0.0006 (J)	<0.001	<0.001		<0.001	<0.001	
4/20/2017						<0.001			0.0002 (J)
5/22/2017									
5/30/2017	<0.001								
6/1/2017		9E-05 (J)	<0.001	0.0001 (J)	<0.001				7E-05 (J)
6/5/2017						<0.001	<0.001	7E-05 (J)	
7/11/2017									
7/14/2017	<0.001	0.0001 (J)	<0.001						
7/17/2017							<0.001	<0.001	<0.001
7/18/2017				<0.001	<0.001				
7/19/2017						<0.001			
8/23/2017									
3/26/2018									
3/27/2018	<0.001	<0.001	<0.001						
3/28/2018				<0.001	<0.001				<0.001
3/29/2018						<0.001	<0.001	<0.001	
2/27/2019	<0.001	<0.001		<0.001					
3/1/2019			<0.001			0.00033 (J)	<0.001	<0.001	<0.001
4/2/2019	<0.001	8.1E-05 (J)							
4/3/2019			<0.001	<0.001	6.8E-05 (J)	<0.001	<0.001	<0.001	
4/4/2019									<0.001
9/26/2019	<0.001	<0.001	<0.001	<0.001					
9/27/2019						5.4E-05 (J)	<0.001		
9/30/2019					7.3E-05 (J)			<0.001	<0.001
2/24/2020	7.9E-05 (J)	<0.001	<0.001	<0.001					
2/25/2020						<0.001	<0.001		
2/26/2020					5.3E-05 (J)			<0.001	<0.001
3/19/2020	<0.001								
3/20/2020		<0.001	<0.001		6E-05 (J)	<0.001			
3/23/2020				<0.001			<0.001		
3/24/2020									<0.001
3/25/2020								5.4E-05 (J)	
9/24/2020	<0.001	<0.001			5E-05 (J)	0.00014 (J)	0.00014 (J)		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:27 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.0001 (J)	
9/28/2020			3.8E-05 (J)	8.3E-05 (J)					5.1E-05 (J)
2/18/2021	<0.001	<0.001	<0.001	<0.001					
2/19/2021					8.7E-05 (J)	0.00011 (J)	<0.001	4.3E-05 (J)	
2/23/2021									7.4E-05 (J)
3/8/2021									
3/24/2021	<0.001	<0.001							
3/25/2021									
3/26/2021			<0.001				0.00031 (J)	7.1E-05 (J)	0.00013 (J)
3/29/2021				<0.001	9.4E-05 (J)	6.1E-05 (J)			
8/19/2021	<0.001	<0.001							<0.001
8/20/2021			<0.001	<0.001	<0.001				
8/23/2021						<0.001	<0.001	<0.001	
2/11/2022	<0.001								
2/14/2022							<0.001		
2/15/2022						<0.001		<0.001	
2/16/2022		<0.001	<0.001	<0.001	<0.001				<0.001
7/27/2022	<0.001	<0.001	<0.001	<0.001					<0.001
7/28/2022					<0.001				
8/1/2022							<0.001		
8/2/2022						<0.001		<0.001	
10/21/2022								<0.001 (R)	
1/26/2023	<0.001	<0.001							
1/27/2023			<0.001		<0.001				<0.001
1/30/2023				<0.001					
2/1/2023								<0.001	
2/2/2023							<0.001		
2/7/2023						<0.001			
8/17/2023	<0.001	<0.001							<0.001
8/18/2023			<0.001	<0.001					
8/21/2023									
8/22/2023						0.00014 (J)			
8/23/2023					<0.001		<0.001		
8/25/2023								<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0003 (J)
2/7/2017	0.0002 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	8E-05 (J)
4/17/2017	<0.001
4/19/2017	
4/20/2017	
5/22/2017	<0.001
5/30/2017	
6/1/2017	
6/5/2017	<0.001
7/11/2017	8E-05 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	<0.001
3/26/2018	<0.001
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.001
4/2/2019	<0.001
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00018 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	0.00035 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.00011 (J)
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	0.00016 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.00018 (J)
3/24/2021	
3/25/2021	0.00015 (J)
3/26/2021	
3/29/2021	
8/19/2021	<0.001
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.001
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.001
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.001
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	0.00017 (J)
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					0.00067 (J)				
4/4/2019	0.00065 (J)		5.4E-05 (J)	0.00023 (J)					
4/5/2019		<0.001							
9/24/2019	0.0004 (J)		<0.001						
9/26/2019		<0.001		6.9E-05 (J)					
9/27/2019					0.0005 (J)				
2/25/2020				0.00025 (J)		0.00011 (J)			
2/26/2020	7.6E-05 (J)				0.00033 (J)				
2/27/2020		<0.001	<0.001				0.00025 (J)	<0.001	
2/28/2020									0.00014 (J)
3/23/2020	0.00028 (J)				0.00014 (J)				
3/24/2020		<0.001	<0.001			7.3E-05 (J)	0.00016 (J)	0.0001 (J)	
3/25/2020				0.00018 (J)					0.00017 (J)
9/2/2020							0.00022 (J)		
9/25/2020		0.00011 (J)		0.00037 (J)		0.00029 (J)			
9/28/2020	0.0013 (J)		<0.001		0.00017 (J)				
9/29/2020								<0.001	0.00024 (J)
2/19/2021			<0.001						
2/22/2021	0.00045 (J)			0.00011 (J)		8.2E-05 (J)		<0.001	0.00014 (J)
2/23/2021		7.2E-05 (J)							
3/8/2021					0.00011 (J)				
3/9/2021							<0.001		
3/25/2021					<0.001				
3/26/2021				<0.001		<0.001			
3/29/2021	0.00061 (J)						<0.001		
3/30/2021		<0.001	<0.001						0.00018 (J)
3/31/2021								<0.001	
8/19/2021							<0.001		
8/20/2021	<0.001			<0.001		<0.001			
8/23/2021					<0.001				
8/24/2021			<0.001					<0.001	<0.001
8/25/2021		<0.001							
2/14/2022					<0.001		<0.001		
2/15/2022									
2/16/2022	<0.001	<0.001	<0.001					<0.001	<0.001
2/17/2022				<0.001		<0.001			
7/28/2022	<0.001		<0.001	<0.001		<0.001			<0.001
7/29/2022		<0.001			<0.001				
8/2/2022							<0.001	<0.001	
1/27/2023	<0.001								
1/30/2023			<0.001	<0.001		<0.001			
1/31/2023		<0.001							<0.001
2/1/2023					<0.001				
2/2/2023								<0.001	
2/7/2023							<0.001		
8/18/2023	0.00024 (J)	<0.001	<0.001						<0.001
8/21/2023					<0.001		0.00014 (J)		
8/23/2023								<0.001	
8/24/2023				<0.001		0.00014 (J)			

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.001
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.001
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	3.6E-05 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.001
8/25/2021	
2/14/2022	
2/15/2022	<0.001
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.001
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.001
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	<0.001
8/24/2023	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.001
6/8/2016								<0.001	
8/10/2016									<0.001
8/11/2016								<0.001	
10/4/2016									<0.001
10/5/2016									
10/6/2016								<0.001	
12/2/2016									<0.001
12/5/2016									
12/6/2016								<0.001	
2/14/2017									<0.001
2/15/2017								<0.001	
4/14/2017									<0.001
4/17/2017									
4/18/2017								<0.001	
5/26/2017									0.0003 (J)
6/2/2017								<0.001	
7/10/2017									<0.001
7/11/2017									
7/14/2017								<0.001	
3/26/2018									<0.001
3/27/2018								<0.001	
2/25/2019									<0.001
2/28/2019								<0.001	
4/1/2019									<0.001
4/2/2019								<0.001	
9/24/2019								<0.001	<0.001
2/19/2020									0.00014 (J)
2/20/2020									
2/21/2020								<0.001	
3/18/2020									<0.001
3/19/2020								<0.001	
9/3/2020	<0.001	0.00012 (J)	<0.001						
9/23/2020									<0.001
9/24/2020									
9/25/2020								<0.001	
1/28/2021						0.00016 (J)	5.4E-05 (J)		
2/16/2021									0.0001 (J)
2/17/2021									
2/18/2021				0.00017 (J)				<0.001	
2/22/2021	4.1E-05 (J)								
2/23/2021						0.00015 (J)	0.0001 (J)		
3/8/2021		<0.001							
3/24/2021									0.00015 (J)
3/29/2021		<0.001							
3/30/2021						0.00022 (J)	0.00011 (J)	<0.001	
3/31/2021				<0.001					
4/1/2021	4.4E-05 (J)								
4/19/2021				4.4E-05 (J)	0.00014 (J)				
8/18/2021			<0.001		<0.001				<0.001
8/19/2021								<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.001								
8/23/2021		<0.001				<0.001	<0.001		
8/24/2021				<0.001					
2/9/2022			<0.001		<0.001				
2/10/2022									<0.001
2/11/2022								<0.001	
2/14/2022						<0.001	<0.001		
2/15/2022		<0.001							
2/17/2022	<0.001			<0.001					
7/26/2022			<0.001		<0.001				<0.001
7/28/2022	<0.001						<0.001	<0.001	
8/1/2022		<0.001		<0.001		<0.001			
1/25/2023			<0.001		<0.001				
1/26/2023								<0.001	<0.001
1/30/2023	<0.001								
1/31/2023						<0.001	<0.001		
2/1/2023				<0.001					
2/7/2023		<0.001							
8/15/2023			<0.001		<0.001				
8/16/2023									<0.001
8/17/2023								<0.001	
8/21/2023						<0.001			
8/22/2023				<0.001			<0.001		
8/23/2023		<0.001							
8/24/2023	<0.001								

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.001
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.001
10/4/2016	
10/5/2016	0.0005 (J)
10/6/2016	
12/2/2016	
12/5/2016	0.0002 (J)
12/6/2016	
2/14/2017	
2/15/2017	<0.001
4/14/2017	
4/17/2017	0.0001 (J)
4/18/2017	
5/26/2017	0.0001 (J)
6/2/2017	
7/10/2017	
7/11/2017	<0.001
7/14/2017	
3/26/2018	
3/27/2018	<0.001
2/25/2019	
2/28/2019	
4/1/2019	9.2E-05 (J)
4/2/2019	
9/24/2019	5.6E-05 (J)
2/19/2020	
2/20/2020	8.2E-05 (J)
2/21/2020	
3/18/2020	
3/19/2020	6.3E-05 (J)
9/3/2020	
9/23/2020	
9/24/2020	<0.001
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	7.5E-05 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.001
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.001
8/19/2021	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.001
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.001
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	<0.001
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.001
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.03					<0.03			
6/7/2016							0.0065	<0.03	
8/9/2016	<0.03								
8/10/2016						<0.03			
8/11/2016									
8/12/2016								<0.03	
8/16/2016							<0.03		
8/22/2016		<0.03							
10/3/2016	<0.03								
10/4/2016		<0.03				<0.03			
10/6/2016								<0.03	
10/7/2016							<0.03		
11/29/2016	<0.03								
12/1/2016		<0.03				<0.03			
12/5/2016								<0.03	
12/6/2016							<0.03		
1/10/2017		<0.03							
2/13/2017	<0.03								
2/14/2017		<0.03				<0.03			
2/15/2017								<0.03	
2/16/2017							<0.03		
4/13/2017	<0.03					<0.03			
4/14/2017		<0.03							
4/18/2017							0.0011 (J)	<0.03	
5/25/2017	<0.03	<0.03				<0.03			
5/30/2017									
6/2/2017							0.0011 (J)	<0.03	
7/7/2017	<0.03					<0.03			
7/10/2017		<0.03							
7/12/2017							<0.03		
7/13/2017								<0.03	
7/14/2017									
3/26/2018	<0.03	<0.03							
3/27/2018							0.0025 (J)		
3/28/2018								<0.03	
6/12/2018	<0.03	<0.03							
6/14/2018							0.0011 (J)	<0.03	
10/16/2018	<0.03	<0.03				<0.03			
10/17/2018								<0.03	
10/18/2018							0.0016 (J)		
2/25/2019	<0.03								
2/27/2019		<0.03							
2/28/2019							0.0017 (J)	0.0011 (J)	
4/1/2019	<0.03	0.00059 (J)						0.00078 (J)	
4/2/2019						<0.03	0.0012 (J)		
4/3/2019			<0.03						
9/23/2019	<0.03	0.00089 (J)				<0.03			
9/25/2019							<0.03	0.001 (J)	
9/26/2019									
9/27/2019			<0.03						
2/18/2020	<0.03					<0.03			
2/19/2020		<0.03							

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							0.00093 (J)		
2/21/2020			<0.03						
2/24/2020								0.00091 (J)	
3/18/2020	<0.03	<0.03							
3/19/2020						<0.03		0.00097 (J)	
3/20/2020			<0.03						
3/23/2020							0.00084 (J)		
5/22/2020				<0.03					<0.03
5/25/2020					0.0011 (J)				
6/23/2020				<0.03	<0.03				<0.03
7/28/2020				<0.03	0.0014 (J)				<0.03
9/2/2020				<0.03					0.00095 (J)
9/3/2020					0.0014 (J)				
9/23/2020	<0.03	0.00085 (J)				<0.03			
9/24/2020							0.0013 (J)		
9/25/2020			<0.03					0.001 (J)	
10/1/2020				<0.03	0.0011 (J)				0.00095 (J)
11/10/2020				<0.03	<0.03				<0.03
12/15/2020				<0.03	0.00089				0.00091
1/20/2021				<0.03	0.00091 (J)				0.00082 (J)
2/16/2021	<0.03	<0.03							
2/17/2021				<0.03	0.00099 (J)				
2/18/2021						<0.03	0.0011 (J)		<0.03
2/19/2021			<0.03					0.0011 (J)	
3/23/2021		0.00087 (J)							
3/24/2021								0.0012 (J)	<0.03
3/25/2021				<0.03	<0.03				
3/26/2021	<0.03								
3/30/2021							0.00092 (J)		
3/31/2021						0.00082 (J)			
4/1/2021			<0.03						
8/16/2021	<0.03	0.00093 (J)		<0.03	<0.03	<0.03			
8/18/2021							<0.03	0.0013 (J)	0.00087 (J)
8/25/2021			<0.03						
2/9/2022	<0.03			0.00083 (J)	<0.03	<0.03			<0.03
2/10/2022		<0.03							
2/11/2022							0.00079 (J)	0.0011 (J)	
2/16/2022			<0.03						
7/26/2022	<0.03	0.00095 (J)		0.00073 (J)	<0.03	<0.03			0.0011 (J)
7/27/2022								0.0014 (J)	
7/28/2022							0.00076 (J)		
8/3/2022			<0.03						
1/24/2023	<0.03	<0.03		<0.03	<0.03				
1/25/2023						<0.03			
1/26/2023								0.0013 (J)	0.00077 (J)
1/27/2023							0.00082 (J)		
2/2/2023			<0.03						
8/15/2023				<0.03		<0.03			
8/16/2023		0.00086 (J)			<0.03			0.0016 (J)	0.0016 (J)
8/17/2023							<0.03		
8/21/2023	<0.03								
8/23/2023			<0.03						

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.03
8/9/2016	
8/10/2016	
8/11/2016	<0.03
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.03
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.03
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.03
4/13/2017	
4/14/2017	
4/18/2017	<0.03
5/25/2017	
5/30/2017	<0.03
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.03
3/26/2018	
3/27/2018	<0.03
3/28/2018	
6/12/2018	<0.03
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.03
2/25/2019	<0.03
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.00049 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.03
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	<0.03
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.03
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.03
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.03
2/19/2021	
3/23/2021	
3/24/2021	<0.03
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.03
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.03
2/16/2022	
7/26/2022	
7/27/2022	<0.03
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.03
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.03
8/21/2023	
8/23/2023	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.03								
6/8/2016		<0.03	<0.03	0.016	<0.03	0.012			<0.03
6/9/2016							0.0074	0.0057	
8/11/2016	<0.03								
8/12/2016		<0.03	<0.03	0.0202 (J)					
8/15/2016									<0.03
8/18/2016					<0.03	0.0118 (J)	0.0078 (J)	0.0061 (J)	
10/7/2016	<0.03	<0.03	<0.03						
10/10/2016				0.0194 (J)	<0.03	0.0137 (J)	0.0093 (J)	0.006 (J)	<0.03
12/6/2016	<0.03	<0.03							
12/7/2016			<0.03	0.0265 (J)			0.0117 (J)	0.0066 (J)	
12/8/2016					<0.03	0.0154 (J)			<0.03
1/23/2017									
2/7/2017									
2/16/2017	<0.03	<0.03	<0.03						
2/17/2017				0.0253 (J)	<0.03	0.0125 (J)			
2/20/2017							0.011 (J)	0.0053 (J)	<0.03
3/27/2017									
4/17/2017									
4/19/2017	<0.03	<0.03	<0.03	0.0233 (J)	<0.03		0.0105 (J)	0.0055 (J)	
4/20/2017						0.012 (J)			<0.03
5/22/2017									
5/30/2017	<0.03								
6/1/2017		<0.03	<0.03	0.023 (J)	<0.03				<0.03
6/5/2017						0.0114 (J)	0.0108 (J)	0.0068 (J)	
7/11/2017									
7/14/2017	<0.03	<0.03	<0.03						
7/17/2017							0.0095 (J)	<0.03	<0.03
7/18/2017				0.0207 (J)	<0.03				
7/19/2017						0.0126 (J)			
8/23/2017									
3/26/2018									
3/27/2018	<0.03	<0.03	<0.03						
3/28/2018				0.013 (J)	<0.03				<0.03
3/29/2018						0.021 (J)	0.014 (J)	0.0053 (J)	
6/13/2018				0.02 (J)			0.014 (J)	0.0067 (J)	
6/14/2018	<0.03	<0.03			<0.03	0.024 (J)			<0.03
6/15/2018			<0.03						
10/17/2018	<0.03								
10/18/2018		<0.03							
10/19/2018			<0.03		<0.03				
10/22/2018				0.016 (J)		0.034 (J)	0.016 (J)	0.0075 (J)	<0.03
2/27/2019	<0.03	<0.03		0.015 (J)					
3/1/2019			<0.03			0.022 (J)	0.017 (J)	0.0068 (J)	<0.03
4/2/2019	0.00069 (J)	<0.03							
4/3/2019			<0.03	0.012 (J)	<0.03	0.024 (J)	0.013 (J)	0.0048 (J)	
4/4/2019									<0.03
9/26/2019	<0.03	<0.03	<0.03	0.018 (J)					
9/27/2019						0.039	0.024 (J)		
9/30/2019					<0.03			0.0077 (J)	<0.03
2/24/2020	<0.03	<0.03	<0.03	0.021 (J)					
2/25/2020						0.026 (J)	0.033		

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					<0.03			0.0082 (J)	<0.03
3/19/2020	<0.03								
3/20/2020		<0.03	<0.03		<0.03	0.029 (J)			
3/23/2020				0.02 (J)			0.032		
3/24/2020									<0.03
3/25/2020								0.0078 (J)	
9/24/2020	<0.03	<0.03			<0.03	0.043	0.031		
9/25/2020								0.0078 (J)	
9/28/2020			<0.03	0.027 (J)					<0.03
2/18/2021	<0.03	<0.03	<0.03	0.041					
2/19/2021					<0.03	0.035	0.04	0.0086 (J)	
2/23/2021									<0.03
3/8/2021									
3/24/2021	<0.03	<0.03							
3/25/2021									
3/26/2021			<0.03				0.039 (J)	<0.03	<0.03
3/29/2021				0.036	<0.03	0.033			
8/19/2021	<0.03	<0.03							<0.03
8/20/2021			<0.03	0.025 (J)	<0.03				
8/23/2021						0.028 (J)	0.029 (J)	0.0076 (J)	
2/11/2022	<0.03								
2/14/2022							0.033		
2/15/2022						0.032 (J)		0.0086 (J)	
2/16/2022		<0.03	<0.03	0.031	<0.03				<0.03
7/27/2022	<0.03	<0.03	<0.03	0.037					<0.03
7/28/2022					<0.03				
8/1/2022							0.029 (J)		
8/2/2022						0.03 (J)		<0.03	
10/21/2022								0.0057 (J)	
1/26/2023	<0.03	<0.03							
1/27/2023			<0.03		<0.03				<0.03
1/30/2023				0.059					
2/1/2023								0.0063 (J)	
2/2/2023							0.025 (J)		
2/7/2023						0.018 (J)			
8/17/2023	<0.03	<0.03							<0.03
8/18/2023			<0.03	0.078					
8/21/2023									
8/22/2023						0.021 (J)			
8/23/2023					<0.03		0.016 (J)		
8/25/2023								0.0058 (J)	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0171 (J)
2/7/2017	0.0196 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0192 (J)
4/17/2017	0.0169 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0167 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0177 (J)
7/11/2017	0.0203 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0182 (J)
3/26/2018	0.0063 (J)
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.0049 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.005 (J)
2/27/2019	
3/1/2019	0.0044 (J)
4/2/2019	0.0041 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.0012 (J)
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	0.00096 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.0014 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.0011 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0012 (J)
3/24/2021	
3/25/2021	<0.03
3/26/2021	
3/29/2021	
8/19/2021	0.0012 (J)
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.0015 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0012 (J)
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.0018 (J)
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	0.0012 (J)
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.0044 (J)				
10/18/2018	<0.03								
10/19/2018			0.00098 (J)						
10/22/2018		<0.03		0.011 (J)					
4/2/2019					0.0021 (J)				
4/4/2019	<0.03		0.00068 (J)	0.0096 (J)					
4/5/2019		<0.03							
9/24/2019	<0.03		<0.03						
9/26/2019		<0.03		0.013					
9/27/2019					0.0028 (J)				
2/25/2020				0.011 (J)		0.044			
2/26/2020	<0.03				0.001 (J)				
2/27/2020		<0.03	<0.03				0.02 (J)	0.0036 (J)	
2/28/2020									0.00084 (J)
3/23/2020	<0.03				<0.03				
3/24/2020		<0.03	<0.03			0.025 (J)	0.019 (J)	0.0029 (J)	
3/25/2020				0.0092 (J)					0.00079 (J)
9/2/2020							0.0096 (J)		
9/25/2020		<0.03		0.0062 (J)		0.014 (J)			
9/28/2020	<0.03		<0.03		0.0011 (J)				
9/29/2020								0.0066 (J)	<0.03
2/19/2021			<0.03						
2/22/2021	<0.03			0.014 (J)		0.0092 (J)		0.0038 (J)	<0.03
2/23/2021		<0.03							
3/8/2021					0.0017 (J)				
3/9/2021							0.011 (J)		
3/25/2021					0.0022 (J)				
3/26/2021				0.02 (J)		0.0066 (J)			
3/29/2021	<0.03						0.012 (J)		
3/30/2021		<0.03	<0.03						0.00086 (J)
3/31/2021								0.0039 (J)	
8/19/2021							0.0066 (J)		
8/20/2021	<0.03			0.016 (J)		0.004 (J)			
8/23/2021					0.0022 (J)				
8/24/2021			<0.03					0.0056 (J)	0.001 (J)
8/25/2021		<0.03							
2/14/2022					0.002 (J)		0.0061 (J)		
2/15/2022									
2/16/2022	<0.03	<0.15 (o)	<0.03					0.0042 (J)	<0.15 (o)
2/17/2022				0.018 (J)		<0.15 (o)			
7/28/2022	<0.03		<0.03	0.016 (J)		0.0026 (J)			<0.03
7/29/2022		<0.03			0.0012 (J)				
8/2/2022							0.009 (J)	0.0038 (J)	
1/27/2023	<0.03								
1/30/2023			<0.03	0.021 (J)		0.0025 (J)			
1/31/2023		<0.03							<0.03
2/1/2023					0.0013 (J)				
2/2/2023								0.0029 (J)	
2/7/2023							0.0011 (J)		
8/18/2023	<0.03	<0.03	<0.03						<0.03
8/21/2023					0.0012 (J)		<0.03		
8/23/2023								0.0034 (J)	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/24/2023				0.023 (J)		0.003 (J)			

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.00092 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.0017 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.0017 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.0024 (J)
8/25/2021	
2/14/2022	
2/15/2022	0.002 (J)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.0018 (J)
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	0.0019 (J)
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	<0.03

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

8/24/2023

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.03
6/8/2016								0.0079	
8/10/2016									<0.03
8/11/2016								0.0093 (J)	
10/4/2016									<0.03
10/5/2016									
10/6/2016								0.0102 (J)	
12/2/2016									<0.03
12/5/2016									
12/6/2016								0.0094 (J)	
2/14/2017									<0.03
2/15/2017								<0.03	
4/14/2017									<0.03
4/17/2017									
4/18/2017								0.0086 (J)	
5/26/2017									<0.03
6/2/2017								0.0102 (J)	
7/10/2017									<0.03
7/11/2017									
7/14/2017								0.0092 (J)	
3/26/2018									<0.03
3/27/2018								0.0087 (J)	
6/12/2018									<0.03
6/13/2018								0.0084 (J)	
10/16/2018									0.001 (J)
10/17/2018									
10/18/2018								0.0083 (J)	
2/25/2019									<0.03
2/28/2019								0.0086 (J)	
4/1/2019									<0.03
4/2/2019								0.0073 (J)	
9/24/2019								0.0083 (J)	<0.03
2/19/2020									<0.03
2/20/2020									
2/21/2020								0.0088 (J)	
3/18/2020									<0.03
3/19/2020								0.0097 (J)	
9/3/2020	0.0014 (J)	0.023 (J)	0.0016 (J)						
9/23/2020									<0.03
9/24/2020									
9/25/2020								0.0065 (J)	
1/28/2021						0.0017 (J)	0.0037 (J)		
2/16/2021									<0.03
2/17/2021									
2/18/2021				0.0035 (J)				0.0072 (J)	
2/22/2021	<0.03								
2/23/2021						0.0015 (J)	0.0038 (J)		
3/8/2021		0.024 (J)							
3/24/2021									<0.03
3/29/2021		0.026 (J)							
3/30/2021						0.0035 (J)	0.0038 (J)	0.0084 (J)	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Date	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			0.0029 (J)						
4/1/2021	0.0022 (J)								
4/19/2021				0.0083 (J)	<0.03				
8/18/2021			0.0027 (J)		<0.03				<0.03
8/19/2021								0.007 (J)	
8/20/2021	0.0012 (J)								
8/23/2021		0.031				0.0011 (J)	0.0033 (J)		
8/24/2021				0.01 (J)					
2/9/2022			0.0036 (J)		<0.03				
2/10/2022									<0.03
2/11/2022								0.0074 (J)	
2/14/2022						<0.03	0.002 (J)		
2/15/2022		0.027 (J)							
2/17/2022	<0.15 (o)			0.0076 (J)					
7/26/2022			0.0037 (J)		<0.03				<0.03
7/28/2022	0.0016 (J)						0.00088 (J)	0.0061 (J)	
8/1/2022		0.025 (J)		0.0057 (J)		<0.03			
1/25/2023			0.004 (J)		0.0019 (J)				
1/26/2023								0.0065 (J)	<0.03
1/30/2023	<0.03								
1/31/2023						<0.03	0.0011 (J)		
2/1/2023				0.0042 (J)					
2/7/2023		0.016 (J)							
8/15/2023			0.0063 (J)		0.0015 (J)				
8/16/2023									<0.03
8/17/2023								0.0059 (J)	
8/21/2023						<0.03			
8/22/2023				0.0065 (J)			<0.03		
8/23/2023		0.022 (J)							
8/24/2023	0.0017 (J)								

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.03
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.03
10/4/2016	
10/5/2016	<0.03
10/6/2016	
12/2/2016	
12/5/2016	<0.03
12/6/2016	
2/14/2017	
2/15/2017	<0.03
4/14/2017	
4/17/2017	0.0013 (J)
4/18/2017	
5/26/2017	0.0013 (J)
6/2/2017	
7/10/2017	
7/11/2017	<0.03
7/14/2017	
3/26/2018	
3/27/2018	0.0014 (J)
6/12/2018	0.0012 (J)
6/13/2018	
10/16/2018	
10/17/2018	<0.03
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.0012 (J)
4/2/2019	
9/24/2019	0.0011 (J)
2/19/2020	
2/20/2020	0.002 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.0019 (J)
9/3/2020	
9/23/2020	
9/24/2020	0.0011 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.0013 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.0014 (J)
3/29/2021	
3/30/2021	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0013 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.0016 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.0014 (J)
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.0018 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.0015 (J)
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	7.7E-05 (J)					8.4E-05 (J)			
6/7/2016							0.0001 (J)	0.0001 (J)	
8/9/2016	<0.0002								
8/10/2016						<0.0002			
8/11/2016									
8/12/2016								<0.0002	
8/16/2016							<0.0002		
8/22/2016		<0.0002							
10/3/2016	<0.0002								
10/4/2016		<0.0002				<0.0002			
10/6/2016								<0.0002	
10/7/2016							<0.0002		
11/29/2016	<0.0002								
12/1/2016		<0.0002				<0.0002			
12/5/2016								<0.0002	
12/6/2016							<0.0002		
1/10/2017		<0.0002							
2/13/2017	<0.0002								
2/14/2017		<0.0002				<0.0002			
2/15/2017								<0.0002	
2/16/2017							<0.0002		
4/13/2017	<0.0002					<0.0002			
4/14/2017		<0.0002							
4/18/2017							<0.0002	<0.0002	
5/25/2017	<0.0002	<0.0002				<0.0002			
5/30/2017									
6/2/2017							<0.0002	<0.0002	
7/7/2017	<0.0002					<0.0002			
7/10/2017		<0.0002							
7/12/2017							<0.0002		
7/13/2017								<0.0002	
7/14/2017									
3/26/2018	<0.0002	<0.0002							
3/27/2018							<0.0002		
3/28/2018								<0.0002	
2/25/2019	<0.0002								
2/27/2019		6.5E-05 (J)							
2/28/2019							4.8E-05 (J)	5.8E-05 (J)	
4/1/2019	<0.0002	<0.0002						<0.0002	
4/2/2019						<0.0002	<0.0002		
4/3/2019			<0.0002						
9/23/2019	<0.0002	<0.0002				<0.0002			
9/25/2019							<0.0002	<0.0002	
9/26/2019									
9/27/2019			<0.0002						
2/18/2020	<0.0002					<0.0002			
2/19/2020		<0.0002							
2/20/2020							<0.0002		
2/21/2020			<0.0002						
2/24/2020								<0.0002	
3/18/2020	<0.0002	<0.0002							
3/19/2020						<0.0002		<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.0002						
3/23/2020							<0.0002		
5/22/2020				<0.0002					<0.0002
5/25/2020					<0.0002				
6/23/2020				<0.0002	<0.0002				<0.0002
7/28/2020				<0.0002	<0.0002				<0.0002
9/2/2020				<0.0002					<0.0002
9/3/2020					<0.0002				
9/23/2020	<0.0002	<0.0002				<0.0002			
9/24/2020							<0.0002		
9/25/2020			8.7E-05 (J)					<0.0002	
10/1/2020				<0.0002	<0.0002				<0.0002
11/10/2020				<0.0002	<0.0002				<0.0002
12/15/2020				<0.0002	<0.0002				<0.0002
1/20/2021				<0.0002	<0.0002				<0.0002
2/16/2021	<0.0002	<0.0002							
2/17/2021				<0.0002	<0.0002				
2/18/2021						<0.0002	<0.0002		<0.0002
2/19/2021			<0.0002					<0.0002	
3/23/2021		<0.0002							
3/24/2021								<0.0002	<0.0002
3/25/2021				<0.0002	<0.0002				
3/26/2021	<0.0002								
3/30/2021							<0.0002		
3/31/2021						<0.0002			
4/1/2021			<0.0002						
8/16/2021	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002			
8/18/2021							<0.0002	<0.0002	<0.0002
8/25/2021			<0.0002						
2/9/2022	<0.0002			<0.0002	<0.0002	<0.0002			<0.0002
2/10/2022		<0.0002							
2/11/2022							<0.0002	<0.0002	
2/16/2022			<0.0002						
7/26/2022	0.00019 (J)	0.00015 (J)		0.00022	0.00014 (J)	<0.0002			0.00016 (J)
7/27/2022								<0.0002	
7/28/2022							<0.0002		
8/3/2022			<0.0002						
1/24/2023	<0.0002	<0.0002		0.00022	<0.0002				
1/25/2023						<0.0002			
1/26/2023								0.00013 (J)	<0.0002
1/27/2023							0.00018 (J)		
2/2/2023			<0.0002						
8/15/2023				<0.0002		<0.0002			
8/16/2023		<0.0002			<0.0002			<0.0002	<0.0002
8/17/2023							<0.0002		
8/21/2023	<0.0002								
8/23/2023			<0.0002						

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	9.8E-05 (J)
8/9/2016	
8/10/2016	
8/11/2016	<0.0002
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.0002
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.0002
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.0002
4/13/2017	
4/14/2017	
4/18/2017	<0.0002
5/25/2017	
5/30/2017	<0.0002
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.0002
3/26/2018	
3/27/2018	<0.0002
3/28/2018	
2/25/2019	<0.0002
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.0002
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.0002
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.0002
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.0002
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.0002
2/19/2021	
3/23/2021	
3/24/2021	<0.0002
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.0002 (J)
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.0002
2/16/2022	
7/26/2022	
7/27/2022	<0.0002
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.00015 (J)
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.0002
8/21/2023	
8/23/2023	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.00017 (J)								
6/8/2016		<0.0002	<0.0002	<0.0002	<0.0002	9.2E-05 (J)			<0.0002
6/9/2016							<0.0002	<0.0002	
8/11/2016	0.00019 (J)								
8/12/2016		<0.0002	<0.0002	<0.0002					
8/15/2016									<0.0002
8/18/2016					<0.0002	<0.0002	<0.0002	<0.0002	
10/7/2016	0.00014 (J)	<0.0002	<0.0002						
10/10/2016				<0.0002	<0.0002	<0.0002	<0.0002	4E-05 (J)	<0.0002
12/6/2016	0.00016 (J)	<0.0002							
12/7/2016			8E-05 (J)	<0.0002			5E-05 (J)	7E-05 (J)	
12/8/2016					<0.0002	<0.0002			<0.0002
1/23/2017									
2/7/2017									
2/16/2017	0.00017 (J)	<0.0002	<0.0002						
2/17/2017				<0.0002	<0.0002	<0.0002			
2/20/2017							<0.0002	5E-05 (J)	<0.0002
3/27/2017									
4/17/2017									
4/19/2017	0.00014 (J)	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	0.00016 (J)	
4/20/2017						<0.0002			<0.0002
5/22/2017									
5/30/2017	0.00023 (J)								
6/1/2017		<0.0002	<0.0002	<0.0002	<0.0002				<0.0002
6/5/2017						<0.0002	<0.0002	0.00013 (J)	
7/11/2017									
7/14/2017	0.00016 (J)	<0.0002	<0.0002						
7/17/2017							<0.0002	0.00013 (J)	<0.0002
7/18/2017				<0.0002	<0.0002				
7/19/2017						<0.0002			
8/23/2017									
3/26/2018									
3/27/2018	<0.0002	<0.0002	<0.0002						
3/28/2018				<0.0002	<0.0002				<0.0002
3/29/2018						<0.0002	<0.0002	<0.0002	
2/27/2019	0.00029 (J)	7.9E-05 (J)		6.6E-05 (J)					
3/1/2019			5E-05 (J)			4.2E-05 (J)	4.4E-05 (J)	0.00093	4.7E-05 (J)
4/2/2019	0.0004	<0.0002							
4/3/2019			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0013	
4/4/2019									<0.0002
9/26/2019	<0.0002	<0.0002	<0.0002	<0.0002					
9/27/2019						<0.0002	<0.0002		
9/30/2019					<0.0002			0.0011	<0.0002
2/24/2020	0.0003 (J)	<0.0002	<0.0002	<0.0002					
2/25/2020						<0.0002	<0.0002		
2/26/2020					<0.0002			0.0011	<0.0002
3/19/2020	0.00017 (J)								
3/20/2020		<0.0002	<0.0002		<0.0002	<0.0002			
3/23/2020				<0.0002			<0.0002		
3/24/2020									<0.0002
3/25/2020								0.0011	
9/24/2020	0.00027 (J)	<0.0002			<0.0002	<0.0002	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.0036	
9/28/2020			<0.0002	<0.0002					<0.0002
2/18/2021	0.00017 (J)	<0.0002	<0.0002	<0.0002					
2/19/2021					<0.0002	<0.0002	<0.0002	0.0033	
2/23/2021									<0.0002
3/8/2021									
3/24/2021	0.00012 (J)	<0.0002							
3/25/2021									
3/26/2021			<0.0002				<0.0002	0.0058	<0.0002
3/29/2021				<0.0002	<0.0002	<0.0002			
8/19/2021	<0.0002	<0.0002							<0.0002
8/20/2021			<0.0002	<0.0002	<0.0002				
8/23/2021						<0.0002	<0.0002	0.00026	
2/11/2022	<0.0002								
2/14/2022							<0.0002		
2/15/2022						<0.0002		0.0014	
2/16/2022		<0.0002	<0.0002	<0.0002	<0.0002				<0.0002
7/27/2022	0.00025	<0.0002	<0.0002	<0.0002					<0.0002
7/28/2022					<0.0002				
8/1/2022							<0.0002		
8/2/2022						<0.0002		<0.0002	
10/21/2022								0.00026	
1/26/2023	0.00027	<0.0002							
1/27/2023			0.00018 (J)		0.00021				0.00015 (J)
1/30/2023				<0.0002					
2/1/2023								0.00059	
2/2/2023							<0.0002		
2/7/2023						<0.0002			
8/17/2023	0.00031	<0.0002							<0.0002
8/18/2023			<0.0002	<0.0002					
8/21/2023									
8/22/2023						<0.0002			
8/23/2023					<0.0002		0.00013 (J)		
8/25/2023								0.0023	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	8E-05 (J)
2/7/2017	0.00011 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	8E-05 (J)
4/17/2017	4E-05 (J)
4/19/2017	
4/20/2017	
5/22/2017	<0.0002
5/30/2017	
6/1/2017	
6/5/2017	6E-05 (J)
7/11/2017	9.1E-05 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	5E-05 (J)
3/26/2018	<0.0002
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	0.0001 (J)
4/2/2019	<0.0002
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	<0.0002
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	<0.0002
3/19/2020	
3/20/2020	
3/23/2020	<0.0002
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	<0.0002
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.0002
3/24/2021	
3/25/2021	<0.0002
3/26/2021	
3/29/2021	
8/19/2021	<0.0002
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.0002
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.0002
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.0002
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	<0.0002
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					<0.0002				
4/4/2019	<0.0002		<0.0002	<0.0002					
4/5/2019		<0.0002							
9/24/2019	<0.0002		<0.0002						
9/26/2019		<0.0002		<0.0002					
9/27/2019					<0.0002				
2/25/2020				<0.0002		<0.0002			
2/26/2020	<0.0002				0.00018 (J)				
2/27/2020		<0.0002	<0.0002				<0.0002	<0.0002	
2/28/2020									<0.0002
3/23/2020	<0.0002				<0.0002				
3/24/2020		<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	
3/25/2020				<0.0002					<0.0002
9/2/2020							0.0001 (J)		
9/25/2020		<0.0002		<0.0002		<0.0002			
9/28/2020	<0.0002		<0.0002		<0.0002				
9/29/2020								<0.0002	<0.0002
2/19/2021			<0.0002						
2/22/2021	<0.0002			<0.0002		<0.0002		<0.0002	<0.0002
2/23/2021		<0.0002							
3/8/2021					<0.0002				
3/9/2021							<0.0002		
3/25/2021					<0.0002				
3/26/2021				<0.0002		<0.0002			
3/29/2021	<0.0002						<0.0002		
3/30/2021		<0.0002	<0.0002						<0.0002
3/31/2021								<0.0002	
8/19/2021							0.00012 (J)		
8/20/2021	<0.0002			<0.0002		<0.0002			
8/23/2021					<0.0002				
8/24/2021			<0.0002					<0.0002	<0.0002
8/25/2021		<0.0002							
2/14/2022					<0.0002		<0.0002		
2/15/2022									
2/16/2022	<0.0002	<0.0002	<0.0002					<0.0002	<0.0002
2/17/2022				<0.0002		<0.0002			
7/28/2022	0.00015 (J)		0.00014 (J)	0.00016 (J)		<0.0002			<0.0002
7/29/2022		<0.0002			<0.0002				
8/2/2022							0.00028	<0.0002	
1/27/2023	0.00014 (J)								
1/30/2023			0.00016 (J)	0.00014 (J)		<0.0002			
1/31/2023		<0.0002							<0.0002
2/1/2023					<0.0002				
2/2/2023								<0.0002	
2/7/2023							<0.0002		
8/18/2023	<0.0002	<0.0002	<0.0002						<0.0002
8/21/2023					0.00016 (J)		0.00057		
8/23/2023								<0.0002	
8/24/2023				<0.0002		<0.0002			

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.0002
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.0002
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.0002
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.0002
8/25/2021	
2/14/2022	
2/15/2022	<0.0002
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.0002
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.0002
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	0.00018 (J)
8/24/2023	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									9.7E-05 (J)
6/8/2016								<0.0002	
8/10/2016									<0.0002
8/11/2016								<0.0002	
10/4/2016									<0.0002
10/5/2016									
10/6/2016								<0.0002	
12/2/2016									<0.0002
12/5/2016									
12/6/2016								<0.0002	
2/14/2017									<0.0002
2/15/2017								<0.0002	
4/14/2017									<0.0002
4/17/2017									
4/18/2017								<0.0002	
5/26/2017									<0.0002
6/2/2017								<0.0002	
7/10/2017									<0.0002
7/11/2017									
7/14/2017								<0.0002	
3/26/2018									<0.0002
3/27/2018								<0.0002	
2/25/2019									<0.0002
2/28/2019								5.3E-05 (J)	
4/1/2019									<0.0002
4/2/2019								<0.0002	
9/24/2019								<0.0002	<0.0002
2/19/2020									<0.0002
2/20/2020									
2/21/2020								<0.0002	
3/18/2020									<0.0002
3/19/2020								<0.0002	
9/3/2020	<0.0002	<0.0002	<0.0002						
9/23/2020									<0.0002
9/24/2020									
9/25/2020								<0.0002	
1/28/2021						0.0046	0.00019 (J)		
2/16/2021									<0.0002
2/17/2021									
2/18/2021				<0.0002				<0.0002	
2/22/2021	<0.0002								
2/23/2021						0.0033	<0.0002		
3/8/2021		<0.0002							
3/24/2021									<0.0002
3/29/2021		<0.0002							
3/30/2021						0.002	<0.0002	<0.0002	
3/31/2021				<0.0002					
4/1/2021	<0.0002								
4/19/2021				<0.0002	<0.0002				
8/18/2021			<0.0002		<0.0002				<0.0002
8/19/2021								<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.0002								
8/23/2021		<0.0002				0.0014	<0.0002		
8/24/2021				<0.0002					
2/9/2022			<0.0002		<0.0002				
2/10/2022									<0.0002
2/11/2022								<0.0002	
2/14/2022						0.00025	<0.0002		
2/15/2022		<0.0002							
2/17/2022	<0.0002			<0.0002					
7/26/2022			0.00017 (J)		<0.0002				0.00016 (J)
7/28/2022	<0.0002						<0.0002	<0.0002	
8/1/2022		<0.0002		<0.0002		<0.0002			
1/25/2023			<0.0002		<0.0002				
1/26/2023								<0.0002	<0.0002
1/30/2023	<0.0002								
1/31/2023						0.00021	0.00018 (J)		
2/1/2023				<0.0002					
2/7/2023		<0.0002							
8/15/2023			<0.0002		<0.0002				
8/16/2023									<0.0002
8/17/2023								<0.0002	
8/21/2023						0.00016 (J)			
8/22/2023				<0.0002			<0.0002		
8/23/2023		0.00015 (J)							
8/24/2023	<0.0002								

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	8E-05 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.0002
10/4/2016	
10/5/2016	<0.0002
10/6/2016	
12/2/2016	
12/5/2016	<0.0002
12/6/2016	
2/14/2017	
2/15/2017	<0.0002
4/14/2017	
4/17/2017	<0.0002
4/18/2017	
5/26/2017	<0.0002
6/2/2017	
7/10/2017	
7/11/2017	<0.0002
7/14/2017	
3/26/2018	
3/27/2018	<0.0002
2/25/2019	
2/28/2019	
4/1/2019	<0.0002
4/2/2019	
9/24/2019	<0.0002
2/19/2020	
2/20/2020	<0.0002
2/21/2020	
3/18/2020	
3/19/2020	<0.0002
9/3/2020	
9/23/2020	
9/24/2020	<0.0002
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.0002
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.0002
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.0002
8/19/2021	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.0002
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.00016 (J)
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.00013 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.0002
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.0015 (J)					<0.01			
6/7/2016							0.0067 (J)	<0.01	
8/9/2016	0.0016 (J)								
8/10/2016						<0.01			
8/11/2016									
8/12/2016								<0.01	
8/16/2016							0.0032 (J)		
8/22/2016		<0.01							
10/3/2016	<0.01								
10/4/2016		<0.01				<0.01			
10/6/2016								<0.01	
10/7/2016							0.0032 (J)		
11/29/2016	0.0022 (J)								
12/1/2016		<0.01				<0.01			
12/5/2016								<0.01	
12/6/2016							0.0049 (J)		
1/10/2017		<0.01							
2/13/2017	0.002 (J)								
2/14/2017		<0.01				<0.01			
2/15/2017								<0.01	
2/16/2017							0.0039 (J)		
4/13/2017	0.0025 (J)					<0.01			
4/14/2017		<0.01							
4/18/2017							0.0032 (J)	<0.01	
5/25/2017	0.002 (J)	<0.01				<0.01			
5/30/2017									
6/2/2017							0.0035 (J)	<0.01	
7/7/2017	0.0017 (J)					<0.01			
7/10/2017		<0.01							
7/12/2017							0.0037 (J)		
7/13/2017								<0.01	
7/14/2017									
3/26/2018	<0.01	<0.01							
3/27/2018							0.0032 (J)		
3/28/2018								<0.01	
6/12/2018	<0.01	<0.01							
6/14/2018							0.0033 (J)	<0.01	
10/16/2018	<0.01	<0.01				<0.01			
10/17/2018								<0.01	
10/18/2018							0.0034 (J)		
2/25/2019	<0.01								
2/27/2019		<0.01							
2/28/2019							0.0035 (J)	<0.01	
4/1/2019	0.0014 (J)	0.00053 (J)						<0.01	
4/2/2019						0.00026 (J)	0.0032 (J)		
4/3/2019			0.034						
5/2/2019	<0.01								
7/9/2019			0.034						
9/23/2019	0.0017 (J)	<0.01				<0.01			
9/25/2019							0.0035 (J)	<0.01	
9/26/2019									
9/27/2019			0.019						

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/18/2020	<0.01					<0.01			
2/19/2020		<0.01							
2/20/2020							0.0037 (J)		
2/21/2020			0.029						
2/24/2020								<0.01	
3/18/2020	0.0012 (J)	<0.01							
3/19/2020						<0.01		<0.01	
3/20/2020			0.032						
3/23/2020							0.0035 (J)		
5/22/2020				0.0011 (J)					0.0012 (J)
5/25/2020					0.003 (J)				
6/23/2020				<0.01	0.0048 (J)				<0.01
7/28/2020				<0.01	0.0073 (J)				0.00094 (J)
9/2/2020				<0.01					0.0013 (J)
9/3/2020					0.0074 (J)				
9/23/2020	<0.01	<0.01				<0.01			
9/24/2020							0.0032 (J)		
9/25/2020			0.032					<0.01	
10/1/2020				<0.01	0.0046 (J)				0.0017 (J)
11/10/2020				<0.01	0.0016 (J)				0.0016 (J)
12/15/2020				<0.01	0.0021				0.0019
1/20/2021				<0.01	0.0018 (J)				0.0016 (J)
2/16/2021	0.0011 (J)	<0.01							
2/17/2021				<0.01	0.0017 (J)				
2/18/2021						<0.01	0.0036 (J)		0.0045 (J)
2/19/2021			0.029					<0.01	
3/23/2021		<0.01							
3/24/2021								<0.01	<0.01
3/25/2021				<0.01	0.0015 (J)				
3/26/2021	0.00092 (J)								
3/30/2021							0.0035 (J)		
3/31/2021						0.001 (J)			
4/1/2021			0.026						
8/16/2021	<0.01	<0.01		<0.01	0.0011 (J)	<0.01			
8/18/2021							0.0029 (J)	<0.01	0.0011 (J)
8/25/2021			0.031						
2/9/2022	<0.01			<0.01	0.00093 (J)	<0.01			<0.01
2/10/2022		<0.01							
2/11/2022							0.003 (J)	<0.01	
2/16/2022			0.025						
7/26/2022	<0.01	<0.01		<0.01	0.0039 (J)	<0.01			0.0015 (J)
7/27/2022								<0.01	
7/28/2022							0.0028 (J)		
8/3/2022			0.0094 (J)						
1/24/2023	<0.01	<0.01		<0.01	0.007 (J)				
1/25/2023						<0.01			
1/26/2023								<0.01	0.0016 (J)
1/27/2023							0.0025 (J)		
2/2/2023			0.0077 (J)						
8/15/2023				<0.01		<0.01			
8/16/2023		<0.01			0.004 (J)			<0.01	0.0016 (J)
8/17/2023							0.0025 (J)		

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
8/21/2023	<0.01								
8/23/2023			0.0085 (J)						

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	<0.01
8/9/2016	
8/10/2016	
8/11/2016	<0.01
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.01
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.01
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.01
4/13/2017	
4/14/2017	
4/18/2017	<0.01
5/25/2017	
5/30/2017	<0.01
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.01
3/26/2018	
3/27/2018	<0.01
3/28/2018	
6/12/2018	<0.01
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.01
2/25/2019	<0.01
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.01
4/3/2019	
5/2/2019	
7/9/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.01
9/27/2019	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

2/18/2020	
2/19/2020	
2/20/2020	<0.01
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.01
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.01
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.01
2/19/2021	
3/23/2021	
3/24/2021	<0.01
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.01
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.01
2/16/2022	
7/26/2022	
7/27/2022	<0.01
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	<0.01
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	<0.01

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

8/21/2023

8/23/2023

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.01								
6/8/2016		<0.01	<0.01	0.011 (J)	0.0027 (J)	0.07			0.0064 (J)
6/9/2016							0.013 (J)	0.0024 (J)	
8/11/2016	<0.01								
8/12/2016		<0.01	<0.01	0.0127					
8/15/2016									0.0039 (J)
8/18/2016					0.0023 (J)	0.0758	0.0136	0.0034 (J)	
10/7/2016	<0.01	<0.01	<0.01						
10/10/2016				0.0136	0.0025 (J)	0.0712	0.0134	0.0047 (J)	0.0029 (J)
12/6/2016	<0.01	<0.01							
12/7/2016			<0.01	0.0139			0.0128	0.0066 (J)	
12/8/2016					<0.01	0.0682			<0.01
1/23/2017									
2/7/2017									
2/16/2017	<0.01	<0.01	<0.01						
2/17/2017				0.0148	<0.01	0.066			
2/20/2017							0.0122	0.0026 (J)	0.0024 (J)
3/27/2017									
4/17/2017									
4/19/2017	<0.01	<0.01	<0.01	0.012	0.0014 (J)		0.0124	0.002 (J)	
4/20/2017						0.0662			0.0019 (J)
5/22/2017									
5/30/2017	<0.01								
6/1/2017		<0.01	<0.01	0.0125	0.0012 (J)				0.0026 (J)
6/5/2017						0.071	0.0115	0.0015 (J)	
7/11/2017									
7/14/2017	<0.01	<0.01	<0.01						
7/17/2017							0.0131	0.0013 (J)	0.0024 (J)
7/18/2017				0.0155	0.0013 (J)				
7/19/2017						0.0703			
8/23/2017									
3/26/2018									
3/27/2018	<0.01	<0.01	<0.01						
3/28/2018				0.012	<0.01				<0.01
3/29/2018						0.056	0.013	0.0027 (J)	
6/13/2018				0.016			0.013	<0.01	
6/14/2018	<0.01	<0.01			<0.01	0.059			<0.01
6/15/2018			<0.01						
10/17/2018	<0.01								
10/18/2018		<0.01							
10/19/2018			<0.01		<0.01				
10/22/2018				0.013		0.055	0.013	<0.01	<0.01
2/27/2019	<0.01	<0.01		0.013					
3/1/2019			<0.01			0.039	0.013	<0.01	<0.01
4/2/2019	<0.01	<0.01							
4/3/2019			0.00023 (J)	0.012	0.0019 (J)	0.039	0.012	0.00095 (J)	
4/4/2019									0.00096 (J)
5/2/2019						0.043			
9/26/2019	<0.01	<0.01	<0.01	0.015					
9/27/2019						0.045	0.012		
9/30/2019					0.003 (J)			0.00099 (J)	<0.01
2/24/2020	<0.01	<0.01	<0.01	0.015					

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/25/2020						0.039	0.014		
2/26/2020					0.0016 (J)			<0.01	<0.01
3/19/2020	<0.01								
3/20/2020		<0.01	<0.01		0.0023 (J)	0.039			
3/23/2020				0.016			0.013		
3/24/2020									<0.01
3/25/2020								<0.01	
9/24/2020	<0.01	<0.01			0.0036 (J)	0.04	0.011		
9/25/2020								0.00081 (J)	
9/28/2020			<0.01	0.018					<0.01
2/18/2021	<0.01	<0.01	<0.01	0.028					
2/19/2021					0.0013 (J)	0.046	0.011	<0.01	
2/23/2021									<0.01
3/8/2021									
3/24/2021	<0.01	<0.01							
3/25/2021									
3/26/2021			<0.01				0.011 (J)	<0.01	<0.01
3/29/2021				0.024	0.0021 (J)	0.045			
7/19/2021						0.044	0.011	<0.01	
7/20/2021									
8/19/2021	<0.01	<0.01							<0.01
8/20/2021			<0.01	0.026	0.003 (J)				
8/23/2021						0.041	0.0098 (J)	<0.01	
11/1/2021						0.043	0.0092 (J)	<0.01	
2/11/2022	<0.01								
2/14/2022							0.0079 (J)		
2/15/2022						0.039		<0.01	
2/16/2022		<0.01	<0.01	0.025	0.005 (J)				<0.01
7/27/2022	<0.01	<0.01	<0.01	0.028					<0.01
7/28/2022					0.0042 (J)				
8/1/2022							0.0071 (J)		
8/2/2022						0.04		0.0027 (J)	
10/21/2022								<0.01 (R)	
1/26/2023	<0.01	<0.01							
1/27/2023			<0.01		0.003 (J)				<0.01
1/30/2023				0.035					
2/1/2023								<0.01	
2/2/2023							0.0078 (J)		
2/7/2023						0.032			
8/17/2023	<0.01	<0.01							<0.01
8/18/2023			<0.01	0.054					
8/21/2023									
8/22/2023						0.036			
8/23/2023					0.0027 (J)		0.006 (J)		
8/25/2023								<0.01	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0125
2/7/2017	0.0163
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0157
4/17/2017	0.0178
4/19/2017	
4/20/2017	
5/22/2017	0.0208
5/30/2017	
6/1/2017	
6/5/2017	0.0191
7/11/2017	0.0218
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0218
3/26/2018	0.014
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.012
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.01
2/27/2019	
3/1/2019	0.011
4/2/2019	0.01
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	0.0036 (J)
9/30/2019	
2/24/2020	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30	
2/25/2020	
2/26/2020	0.0023 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.0037 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.0027 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0031 (J)
3/24/2021	
3/25/2021	0.0017 (J)
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	0.0018 (J)
8/19/2021	0.0032 (J)
8/20/2021	
8/23/2021	
11/1/2021	0.0032 (J)
2/11/2022	
2/14/2022	0.0048 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0047 (J)
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.0058 (J)
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	0.0048 (J)
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.017				
10/18/2018	<0.01								
10/19/2018			0.0021 (J)						
10/22/2018		0.0038 (J)		0.033					
11/29/2018				0.03					
1/14/2019					0.013				
4/2/2019					0.011				
4/4/2019	0.00033 (J)		0.0011 (J)	0.03					
4/5/2019		0.0035 (J)							
5/2/2019							0.11		
5/3/2019		0.0048 (J)				0.04			
9/24/2019	<0.01		<0.01						
9/26/2019		0.003 (J)		0.033					
9/27/2019					0.013				
2/25/2020				0.026		0.012			
2/26/2020	<0.01				0.0032 (J)				
2/27/2020		0.0032 (J)	0.001 (J)				0.11	0.0039 (J)	
2/28/2020									0.0014 (J)
3/23/2020	<0.01				0.0058 (J)				
3/24/2020		0.0031 (J)	0.001 (J)			0.01	0.12	0.0026 (J)	
3/25/2020				0.022					0.0012 (J)
5/4/2020									
9/2/2020							0.1		
9/25/2020		0.003 (J)		0.024		0.0088 (J)			
9/28/2020	<0.01		0.00078 (J)		0.0084 (J)				
9/29/2020							0.01	0.00069 (J)	
2/19/2021			0.0009 (J)						
2/22/2021	<0.01			0.035		0.012		0.0076 (J)	<0.01
2/23/2021		0.0032 (J)							
3/8/2021					0.0083 (J)				
3/9/2021							0.13		
3/25/2021					0.013				
3/26/2021				0.036		0.017			
3/29/2021	<0.01						0.13		
3/30/2021		0.0037 (J)	0.0011 (J)						<0.01
3/31/2021								0.0062 (J)	
8/19/2021							0.076		
8/20/2021	<0.01			0.04		0.016			
8/23/2021					0.014				
8/24/2021			0.00098 (J)					0.0076 (J)	<0.01
8/25/2021		0.0038 (J)							
11/1/2021							0.081		
2/14/2022					0.012		0.097		
2/15/2022									
2/16/2022	<0.01	0.0038 (J)	0.00094 (J)					0.0052 (J)	<0.01
2/17/2022				0.039		0.016			
7/28/2022	<0.01		0.0011 (J)	0.036		0.0082 (J)			<0.01
7/29/2022		0.0036 (J)			0.0095 (J)				
8/2/2022							0.093	0.0062 (J)	
1/27/2023	<0.01								
1/30/2023			0.0011 (J)	0.035		0.014			
1/31/2023		0.0039 (J)							<0.01

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/1/2023					0.0083 (J)				
2/2/2023								0.0035 (J)	
2/7/2023							0.02		
8/18/2023	<0.01	0.0041 (J)	0.0011 (J)						<0.01
8/21/2023					0.01		0.04		
8/23/2023								0.0026 (J)	
8/24/2023				0.034		0.019			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
11/29/2018	
1/14/2019	
4/2/2019	
4/4/2019	
4/5/2019	
5/2/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	<0.01
9/2/2020	0.015
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.013
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.011
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.011
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	0.0087 (J)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.008 (J)
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D
2/1/2023	0.0092 (J)
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	0.0092 (J)
8/24/2023	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.0063 (J)
6/8/2016								0.0088 (J)	
8/10/2016									0.0039 (J)
8/11/2016								0.01	
10/4/2016									0.0052 (J)
10/5/2016									
10/6/2016								0.0117	
12/2/2016									<0.01
12/5/2016									
12/6/2016								0.0102	
2/14/2017									0.0044 (J)
2/15/2017								0.0018 (J)	
4/14/2017									0.0013 (J)
4/17/2017									
4/18/2017								0.0103	
5/26/2017									0.0024 (J)
6/2/2017								0.0129	
7/10/2017									0.0013 (J)
7/11/2017									
7/14/2017								0.0129	
3/26/2018									<0.01
3/27/2018								0.01	
6/12/2018									0.0026 (J)
6/13/2018								0.013	
10/16/2018									0.0041 (J)
10/17/2018									
10/18/2018								0.01 (J)	
2/25/2019									<0.01
2/28/2019								0.016	
4/1/2019									0.00054 (J)
4/2/2019								0.011	
9/24/2019								0.01 (J)	0.0016 (J)
2/19/2020									0.0018 (J)
2/20/2020									
2/21/2020								0.011	
3/18/2020									<0.01
3/19/2020								0.011	
5/4/2020		0.14	<0.01						
5/11/2020	0.02								
5/20/2020	0.021	0.16							
9/3/2020	0.018	0.11	0.0055 (J)						
9/23/2020									<0.01
9/24/2020									
9/25/2020								0.0099 (J)	
1/28/2021						<0.01	0.0038 (J)		
2/16/2021									0.0011 (J)
2/17/2021									
2/18/2021			0.0062 (J)					0.0098 (J)	
2/22/2021	0.0052 (J)								
2/23/2021						<0.01	0.0039 (J)		
3/8/2021		0.2							

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Date	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/24/2021									<0.01
3/29/2021		0.21							
3/30/2021						0.0027 (J)	0.0035 (J)	0.011	
3/31/2021			0.0023 (J)						
4/1/2021	0.0059 (J)								
4/19/2021				0.0067 (J)	0.0043 (J)				
7/20/2021		0.24							
8/18/2021			0.0041 (J)		0.0021 (J)				0.0019 (J)
8/19/2021								0.0094 (J)	
8/20/2021	0.013								
8/23/2021		0.21				<0.01	0.0038 (J)		
8/24/2021				0.0049 (J)					
2/9/2022			0.0011 (J)		0.0032 (J)				
2/10/2022									0.00081 (J)
2/11/2022								0.0088 (J)	
2/14/2022						<0.01	0.0041 (J)		
2/15/2022		0.15							
2/17/2022	0.0055 (J)			0.0056 (J)					
7/26/2022			0.012		0.0029 (J)				0.00096 (J)
7/28/2022	0.0092 (J)						0.0053 (J)	0.009 (J)	
8/1/2022		0.16		0.0066 (J)		<0.01			
1/25/2023			0.011		0.0067 (J)				
1/26/2023								0.0096 (J)	0.00095 (J)
1/30/2023	0.0033 (J)								
1/31/2023						<0.01	0.0087 (J)		
2/1/2023				0.0072 (J)					
2/7/2023		0.13							
8/15/2023			0.0026 (J)		0.0041 (J)				
8/16/2023									<0.01
8/17/2023								0.011	
8/21/2023						<0.01			
8/22/2023				0.0048 (J)			0.0039 (J)		
8/23/2023		0.18							
8/24/2023	0.013								

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.0028 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.003 (J)
10/4/2016	
10/5/2016	0.0032 (J)
10/6/2016	
12/2/2016	
12/5/2016	0.0033 (J)
12/6/2016	
2/14/2017	
2/15/2017	0.0027 (J)
4/14/2017	
4/17/2017	0.0025 (J)
4/18/2017	
5/26/2017	0.0029 (J)
6/2/2017	
7/10/2017	
7/11/2017	0.0029 (J)
7/14/2017	
3/26/2018	
3/27/2018	0.0031 (J)
6/12/2018	0.0043 (J)
6/13/2018	
10/16/2018	
10/17/2018	0.0038 (J)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.0027 (J)
4/2/2019	
9/24/2019	0.0041 (J)
2/19/2020	
2/20/2020	0.002 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.0024 (J)
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.0034 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.0033 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
3/24/2021	0.0027 (J)
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	0.0028 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.0026 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.0029 (J)
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.002 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.0039 (J)
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
9/27/2019			7.75			7.28			
2/18/2020	7.67					7.27			
2/19/2020		8.01							
2/20/2020							7.46		
2/21/2020			7.54						
2/24/2020								7.28	
3/18/2020	7.65	8.12							
3/19/2020						7.2		7.18	
3/20/2020			7.53						
3/23/2020							7.51		
5/22/2020				7.15					7.2
5/25/2020					7.45				
6/23/2020				7 (D)	7.46 (D)				7.41 (D)
7/28/2020				6.98	7.79				6.98
9/2/2020				6.95					6.97
9/3/2020					7.35				
9/23/2020	7.32	8.08				7.36			
9/24/2020							7.54		
9/25/2020			7.62					7.1	
9/28/2020			7.02						
10/1/2020				6.94	7.41				7.08
11/10/2020				6.89	7.17				7
12/15/2020				7.04	7.37				7.02
1/20/2021				6.83	7.31				7.12
2/16/2021	7.75	8							
2/17/2021				6.89	7.21				
2/18/2021						7.34	7.54		7.14
2/19/2021			7.73					7	
3/23/2021		8							
3/24/2021								7.04	7.04
3/25/2021				6.94	7.22				
3/26/2021	7.63								
3/30/2021							7.41		
3/31/2021						7.17			
4/1/2021			7.75						
8/16/2021	7.46	7.6		6.8	7.13	7.07			
8/18/2021							7.34	7.09	6.86
8/25/2021			7.52						
2/9/2022	7.36			6.86	7.16	7.16			7.01
2/10/2022		8.09							
2/11/2022							7.58	7.18	
2/16/2022			7.2						
7/26/2022	7.45	7.92		6.75	7.37	7.34			6.78
7/27/2022								6.85	
7/28/2022							7.63		
8/3/2022			6.89						
1/24/2023	7.32	7.77		6.72	7.32				
1/25/2023						6.87			
1/26/2023								6.68	6.91
1/27/2023							7.02		
2/2/2023			6.7						
8/15/2023				6.62		6.93			

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
8/16/2023		7.3			6.94				
8/17/2023							7.18	6.7	6.56
8/21/2023	7.18								
8/23/2023			6.44						

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	6.99
8/9/2016	
8/10/2016	
8/11/2016	6.93
8/12/2016	
8/15/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	6.79
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	6.95
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	6.8
4/13/2017	
4/14/2017	
4/18/2017	6.9
5/25/2017	
5/30/2017	6.99
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	6.93
10/9/2017	
10/10/2017	
10/11/2017	6.78
3/26/2018	
3/27/2018	6.81
3/28/2018	
6/12/2018	7.01
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	6.7
2/25/2019	6.74
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	6.75
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	6.7

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	6.48
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	6.6
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	6.66
9/25/2020	
9/28/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	6.66
2/19/2021	
3/23/2021	
3/24/2021	6.7
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	6.66
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	6.57
2/16/2022	
7/26/2022	
7/27/2022	6.49
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	6.56
1/27/2023	
2/2/2023	
8/15/2023	

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

8/16/2023
8/17/2023
8/21/2023
8/23/2023

6.22

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	7.41								
6/8/2016		6.93	6.58	7.45	7.88	7.1			7.95
6/9/2016							7.3	6.83	
8/11/2016	7.39								
8/12/2016		6.98	6.59	7.18					
8/15/2016									7.66
8/18/2016					7.86	7.1	7.27	6.88	
10/7/2016	7.33	6.91	6.77						
10/10/2016				6.66	7.96	6.77	7.35	6.95	7.26
12/6/2016	7.4	7.06							
12/7/2016			6.63	7.46			7.23	6.91	
12/8/2016					7.82	6.94			7.55
1/23/2017									
2/7/2017									
2/16/2017	7.21	6.62	6.55						
2/17/2017				7.17	7.56	7.02			
2/20/2017							7.17	6.71	7.45
3/27/2017									
4/17/2017									
4/19/2017	7.06	6.75	6.5	7.01	7.42		7.22	6.76	
4/20/2017						6.95			7.58
5/22/2017									
5/30/2017	7.51								
6/1/2017		6.18	6.27	7.18	7.61				7.65
6/5/2017						7.07	7.31	6.87	
7/11/2017									
7/14/2017	7.39	6.68	6.56						
7/17/2017							7.3	6.65	7.73
7/18/2017				7.2	7.77				
7/19/2017						6.97			
8/23/2017									
10/10/2017									
10/11/2017	7.3	7	6.56	7.1			7.05	6.6	7.5
10/12/2017					7.65	6.95			
3/26/2018									
3/27/2018	7.28	6.41	6.52						
3/28/2018				7.19	7.69				7.39
3/29/2018						6.96	7.06	6.7	
6/13/2018				7.24			7.19	6.58	
6/14/2018	7.22	6.61			7.7	6.92			7.35
6/15/2018			6.5						
10/17/2018	7.37								
10/18/2018		6.67							
10/19/2018			6.38		7.57				
10/22/2018				6.93		6.81	7.11	6.61	7.25
2/27/2019	7.38	6.58		7.26					
3/1/2019			6.7			6.9	7.16	6.57	7.5
4/2/2019	7.22	6.48							
4/3/2019			6.58	7.14	7.69	6.77	7	6.57	
4/4/2019									7.38
5/2/2019						6.92			
9/26/2019	7.32	6.99	6.55	7.1					

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	7.39
2/7/2017	7.35
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	7.46
4/17/2017	7.19
4/19/2017	
4/20/2017	
5/22/2017	7.4
5/30/2017	
6/1/2017	
6/5/2017	7.69
7/11/2017	7.29
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	7.37
10/10/2017	7.34
10/11/2017	
10/12/2017	
3/26/2018	7.33
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	7.35
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	7.35
2/27/2019	
3/1/2019	7.32
4/2/2019	7.22
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

9/27/2019	
9/30/2019	7.2
2/24/2020	
2/25/2020	
2/26/2020	7.28
3/19/2020	
3/20/2020	
3/23/2020	7.28
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	7.34
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	7.44
3/24/2021	
3/25/2021	7.21
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	7.28
8/19/2021	7.2
8/20/2021	
8/23/2021	
11/1/2021	7.3
2/11/2022	
2/14/2022	7.29
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	7.21
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	7.15
2/2/2023	
2/7/2023	
5/10/2023	
8/17/2023	
8/18/2023	
8/21/2023	7
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					7.44				
10/18/2018	7.16								
10/19/2018			7.42						
10/22/2018		7.22		7.15					
3/4/2019			7.36						
4/2/2019					6.48				
4/4/2019	7.19	7.28	7.32	7.2					
5/2/2019							7.32		
5/3/2019		7.18				7.51			
9/24/2019	7.29		7.32						
9/26/2019		7.31		7.09					
9/27/2019					7.09				
11/15/2019		7.19							
2/25/2020				7.06		7.21			
2/26/2020	7.09				6.33				
2/27/2020		7.14	7.02				6.49	6.78	
2/28/2020									7.31
3/23/2020	6.72				6.56				
3/24/2020		7.23	7.14			7.29	6.66	6.67	
3/25/2020				7.03					7.27
5/4/2020									
9/2/2020							6.49		
9/25/2020		6.82		7.03		7.25			
9/28/2020	7.32		7.24		7.29				
9/29/2020								6.73	7.15
2/19/2021			7.26						
2/22/2021	7.21			7.16		7.49		6.87	7.08
2/23/2021		7.08							
3/8/2021					7.12				
3/9/2021							6.97		
3/25/2021					7.27				
3/26/2021				7.02		7.14			
3/29/2021	6.97						7.02		
3/30/2021		7.07	7.19						7.04
3/31/2021								6.8	
8/19/2021							6.42		
8/20/2021	7.32			6.86		6.98			
8/23/2021					7.34				
8/24/2021			7.2					6.85	7.03
8/25/2021		6.93							
11/1/2021							6.55		
2/14/2022					7.23		6.33		
2/15/2022									
2/16/2022	7.4	7.14	7.27					6.83	7.24
2/17/2022				7.02		7.46			
7/28/2022	7.19		6.96	6.98		7.34			7.03
7/29/2022		7.15			7.19				
8/2/2022							6.17	6.42	
1/27/2023	6.8								
1/30/2023			7.15	6.75		7.21			
1/31/2023		7.18							6.86
2/1/2023					6.64				

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/2/2023								6.93	
2/7/2023							5.99		
8/18/2023	6.89	6.84	6.62						6.91
8/21/2023					6.89		5.74		
8/23/2023								6.71	
8/24/2023				6.8		6.98			

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
3/4/2019	
4/2/2019	
4/4/2019	
5/2/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	7.46
9/2/2020	7.45
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	7.48
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	7.44
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	7.11
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	7.2
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	7.07
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	7.05

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	7.09
8/24/2023	

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									7.55
6/8/2016								7	
8/10/2016								7.02	7.66
8/11/2016									
10/5/2016								6.96	7.37
12/2/2016									7.67
12/5/2016								7.16	
2/14/2017									7.54
2/15/2017								7.05	
4/14/2017									7.63
4/17/2017								7.17	
5/26/2017									7.76
6/1/2017								7.17	
7/10/2017									7.7
7/11/2017									
7/13/2017								7.11	
10/10/2017									7.72
10/11/2017								7.19	
3/26/2018								7	7.71
3/27/2018									
6/12/2018								7	7.71
10/16/2018									7.74
10/17/2018									
10/18/2018								6.84	
2/25/2019									7.75
2/27/2019								7.05	
4/1/2019								6.99	7.57
9/24/2019								6.92	7.53
2/19/2020									7.68
2/20/2020									
2/21/2020								7.12	
3/18/2020									7.73
3/19/2020								7.1	
5/4/2020		7.27	7.61						
5/11/2020	7.61								
5/20/2020	7.63	7.2							
9/3/2020	7.37	7.21	7.6						
9/23/2020									7.67
9/24/2020									
9/25/2020								7.01	
1/28/2021						6.81	7.01		
2/16/2021									7.69
2/17/2021									
2/18/2021			7.64					6.88	
2/22/2021	7.5								
2/23/2021						6.71	6.95		
3/8/2021		7.08							
3/24/2021									7.66
3/29/2021		7.02							
3/30/2021						6.64	6.82	7.05	
3/31/2021			7.4						

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	7.46
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	7.51
10/5/2016	7.37
12/2/2016	
12/5/2016	7.42
2/14/2017	
2/15/2017	7.32
4/14/2017	
4/17/2017	7.23
5/26/2017	7.29
6/1/2017	
7/10/2017	
7/11/2017	7.34
7/13/2017	
10/10/2017	7.28
10/11/2017	
3/26/2018	
3/27/2018	7.38
6/12/2018	7.51
10/16/2018	
10/17/2018	7.34
10/18/2018	
2/25/2019	
2/27/2019	
4/1/2019	7.03
9/24/2019	7.14
2/19/2020	
2/20/2020	7.37
2/21/2020	
3/18/2020	
3/19/2020	7.35
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	7.34
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	7.43
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	7.26
3/29/2021	
3/30/2021	
3/31/2021	

Time Series

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	7.49
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	7.28
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	7.33
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	7.04
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	6.79
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.005					<0.005			
6/7/2016							<0.005	<0.005	
8/9/2016	<0.005								
8/10/2016						<0.005			
8/11/2016									
8/12/2016								<0.005	
8/16/2016							<0.005		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005			
10/6/2016								<0.005	
10/7/2016							<0.005		
11/29/2016	<0.005								
12/1/2016		<0.005				<0.005			
12/5/2016								<0.005	
12/6/2016							<0.005		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							<0.005		
4/13/2017	<0.005					<0.005			
4/14/2017		<0.005							
4/18/2017							<0.005	<0.005	
5/25/2017	<0.005	<0.005				<0.005			
5/30/2017									
6/2/2017							<0.005	<0.005	
7/7/2017	<0.005					<0.005			
7/10/2017		<0.005							
7/12/2017							<0.005		
7/13/2017								<0.005	
7/14/2017									
3/26/2018	<0.005	<0.005							
3/27/2018							<0.005		
3/28/2018								<0.005	
2/25/2019	<0.005								
2/27/2019		<0.005							
2/28/2019							<0.005	<0.005	
4/1/2019	0.00011 (J)	<0.005							0.0004 (J)
4/2/2019						0.00031 (J)	<0.005		
4/3/2019			0.00013 (J)						
9/23/2019	<0.005	<0.005				<0.005			
9/25/2019							<0.005	<0.005	
9/26/2019									
9/27/2019			<0.005						
2/18/2020	<0.005					<0.005			
2/19/2020		<0.005							
2/20/2020							<0.005		
2/21/2020			<0.005						
2/24/2020								<0.005	
3/18/2020	<0.005	<0.005							
3/19/2020						<0.005		<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.005						
3/23/2020							<0.005		
5/22/2020				0.0013 (J)					0.0014 (J)
5/25/2020					<0.005				
6/23/2020				<0.005	<0.005				<0.005
7/28/2020				<0.005	<0.005				<0.005
9/2/2020				<0.005					<0.005
9/3/2020					<0.005				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005		
9/25/2020			<0.005					<0.005	
10/1/2020				0.0018 (J)	<0.005				<0.005
11/10/2020				<0.005	<0.005				<0.005
12/15/2020				0.0018	<0.005				<0.005
1/20/2021				<0.005	<0.005				<0.005
2/16/2021	<0.005	<0.005							
2/17/2021				<0.005	<0.005				
2/18/2021						<0.005	<0.005		<0.005
2/19/2021			<0.005					<0.005	
3/23/2021		<0.005							
3/24/2021								<0.005	<0.005
3/25/2021				0.002 (J)	<0.005				
3/26/2021	<0.005								
3/30/2021							<0.005		
3/31/2021						0.0032 (J)			
4/1/2021			0.004 (J)						
8/16/2021	<0.005	<0.005		0.002 (J)	<0.005	<0.005			
8/18/2021							<0.005	<0.005	<0.005
8/25/2021			<0.005						
2/9/2022	<0.005			0.0021 (J)	<0.005	<0.005			<0.005
2/10/2022		<0.005							
2/11/2022							<0.005	<0.005	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		0.0021 (J)	<0.005	<0.005			<0.005
7/27/2022								<0.005	
7/28/2022							<0.005		
8/3/2022			<0.005						
1/24/2023	<0.005	<0.005		0.0015 (J)	<0.005				
1/25/2023						<0.005			
1/26/2023								<0.005	<0.005
1/27/2023							<0.005		
2/2/2023			<0.005						
8/15/2023				0.0015 (J)		<0.005			
8/16/2023		<0.005			<0.005			<0.005	<0.005
8/17/2023							<0.005		
8/21/2023	<0.005								
8/23/2023			<0.005						

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.005
8/9/2016	
8/10/2016	
8/11/2016	<0.005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0012 (J)
4/13/2017	
4/14/2017	
4/18/2017	<0.005
5/25/2017	
5/30/2017	<0.005
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.005
3/26/2018	
3/27/2018	<0.005
3/28/2018	
2/25/2019	<0.005
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0006 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.005
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	0.0026 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.0019 (J)

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.003 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0017 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.0017 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.005
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.005
2/16/2022	
7/26/2022	
7/27/2022	0.0018 (J)
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.0024 (J)
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.0015 (J)
8/21/2023	
8/23/2023	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.0004 (J)								
6/8/2016		<0.005	0.00043 (J)	<0.005	<0.005	<0.005			<0.005
6/9/2016							<0.005	0.00099 (J)	
8/11/2016	<0.005								
8/12/2016		<0.005	<0.005	<0.005					
8/15/2016									<0.005
8/18/2016					<0.005	<0.005	<0.005	0.0023 (J)	
10/7/2016	<0.005	<0.005	<0.005						
10/10/2016				<0.005	0.001 (J)	<0.005	<0.005	0.004 (J)	<0.005
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	0.0037 (J)			0.0176	0.0302	
12/8/2016					<0.005	0.012			<0.005
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	<0.005			
2/20/2017							<0.005	0.0044 (J)	<0.005
3/27/2017									
4/17/2017									
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	0.0046 (J)	
4/20/2017						<0.005			<0.005
5/22/2017									
5/30/2017	<0.005								
6/1/2017		<0.005	<0.005	<0.005	<0.005				<0.005
6/5/2017						0.0018 (J)	<0.005	0.0033 (J)	
7/11/2017									
7/14/2017	<0.005	<0.005	<0.005						
7/17/2017							<0.005	0.0052 (J)	<0.005
7/18/2017				<0.005	<0.005				
7/19/2017						<0.005			
8/23/2017									
3/26/2018									
3/27/2018	<0.005	<0.005	<0.005						
3/28/2018				<0.005	<0.005				<0.005
3/29/2018						<0.005	<0.005	<0.05	
2/27/2019	<0.005	<0.005		<0.005					
3/1/2019			<0.005			<0.005	<0.005	<0.05	<0.005
4/2/2019	0.00077 (J)	0.001 (J)							
4/3/2019			0.00058 (J)	<0.005	0.00012 (J)	<0.005	<0.005	0.0038 (J)	
4/4/2019									<0.005
9/26/2019	<0.005	<0.005	<0.005	<0.005					
9/27/2019						<0.005	<0.005		
9/30/2019					<0.005			0.0065 (J)	<0.005
2/24/2020	0.0013 (J)	<0.005	0.0013 (J)	<0.005					
2/25/2020						<0.005	0.002 (J)		
2/26/2020					<0.005			0.0077 (J)	<0.005
3/19/2020	0.0022 (J)								
3/20/2020		<0.005	<0.005		<0.005	<0.005			
3/23/2020				<0.005			<0.005		
3/24/2020									<0.005
3/25/2020								0.0067 (J)	
9/24/2020	<0.005	<0.005			<0.005	0.0026 (J)	<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.01	
9/28/2020			<0.005	<0.005					<0.005
2/18/2021	<0.005	<0.005	<0.005	<0.005					
2/19/2021					<0.005	<0.005	<0.005	0.0065	
2/23/2021									<0.005
3/8/2021									
3/24/2021	<0.005	<0.005							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.05	<0.005
3/29/2021				<0.005	<0.005	<0.005			
8/19/2021	<0.005	<0.005							<0.005
8/20/2021			<0.005	<0.005	<0.005				
8/23/2021						<0.005	<0.005	0.0045 (J)	
2/11/2022	<0.005								
2/14/2022							<0.005		
2/15/2022						<0.005		0.0055	
2/16/2022		<0.005	<0.005	<0.005	<0.005				<0.005
7/27/2022	<0.005	<0.005	<0.005	<0.005					<0.005
7/28/2022					<0.005				
8/1/2022							<0.005		
8/2/2022						<0.005		0.0027 (J)	
10/21/2022								0.0045 (J)	
1/26/2023	<0.005	0.0022 (J)							
1/27/2023			<0.005		<0.005				<0.005
1/30/2023				<0.005					
2/1/2023								0.006	
2/2/2023							0.0019 (J)		
2/7/2023						0.0016 (J)			
8/17/2023	<0.005	<0.005							<0.005
8/18/2023			<0.005	<0.005					
8/21/2023									
8/22/2023						0.0017 (J)			
8/23/2023					<0.005		<0.005		
8/25/2023								0.0049 (J)	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.015
2/7/2017	0.0114
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0092 (J)
4/17/2017	0.0082 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0094 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0118
7/11/2017	0.012
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0097 (J)
3/26/2018	<0.01
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	0.01 (J)
4/2/2019	0.0092 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.0033 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	<0.01
3/19/2020	
3/20/2020	
3/23/2020	0.0041 (J)
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	0.0035 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0048 (J)
3/24/2021	
3/25/2021	0.0021 (J)
3/26/2021	
3/29/2021	
8/19/2021	0.0052
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.0084
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0074
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	0.01
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	0.0065
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					0.014				
4/4/2019	8E-05 (J)		0.0001 (J)	<0.005					
4/5/2019		0.00015 (J)							
9/24/2019	<0.005		<0.005						
9/26/2019		<0.005		<0.005					
9/27/2019					0.0071 (J)				
2/25/2020				<0.005		<0.005			
2/26/2020	<0.005				0.0029 (J)				
2/27/2020		<0.005	<0.005				<0.005	<0.005	
2/28/2020									0.0018 (J)
3/23/2020	<0.005				0.0033 (J)				
3/24/2020		<0.005	<0.005			<0.005	<0.005	<0.005	
3/25/2020				<0.005					0.0039 (J)
9/2/2020							0.003 (J)		
9/25/2020		<0.005		<0.005		<0.005			
9/28/2020	<0.005		<0.005		0.0076 (J)				
9/29/2020								0.002 (J)	0.005 (J)
2/19/2021			<0.005						
2/22/2021	<0.005			<0.005		<0.005		<0.005	0.0094
2/23/2021		<0.005							
3/8/2021					0.011				
3/9/2021							0.005		
3/25/2021					0.012				
3/26/2021				<0.005		<0.005			
3/29/2021	<0.005						<0.005		
3/30/2021		<0.005	<0.005						0.0098
3/31/2021								0.002 (J)	
8/19/2021							<0.005		
8/20/2021	<0.005			<0.005		<0.005			
8/23/2021					0.0086				
8/24/2021			<0.005					<0.005	0.0096
8/25/2021		<0.005							
2/14/2022					0.011		<0.005		
2/15/2022									
2/16/2022	<0.005	<0.005	<0.005					<0.005	0.0084
2/17/2022				<0.005		<0.005			
7/28/2022	<0.005		<0.005	<0.005		<0.005			0.007
7/29/2022		<0.005			0.011				
8/2/2022							<0.005	<0.005	
1/27/2023	<0.005								
1/30/2023			<0.005	<0.005		<0.005			
1/31/2023		<0.005							0.0097
2/1/2023					0.0098				
2/2/2023								<0.005	
2/7/2023							<0.005		
8/18/2023	<0.005	<0.005	<0.005						0.0082
8/21/2023					0.014		0.0019 (J)		
8/23/2023								<0.005	
8/24/2023				<0.005		<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.0016 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.0016 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.005
8/25/2021	
2/14/2022	
2/15/2022	<0.005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.005
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	0.0016 (J)
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	<0.005
8/24/2023	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									4.8E-05 (J)
6/8/2016								<0.005	
8/10/2016									<0.005
8/11/2016								<0.005	
10/4/2016									<0.005
10/5/2016									
10/6/2016								<0.005	
12/2/2016									<0.005
12/5/2016									
12/6/2016								<0.005	
2/14/2017									<0.005
2/15/2017								<0.005	
4/14/2017									<0.005
4/17/2017									
4/18/2017								<0.005	
5/26/2017									<0.005
6/2/2017								<0.005	
7/10/2017									<0.005
7/11/2017									
7/14/2017								<0.005	
3/26/2018									<0.005
3/27/2018								<0.005	
2/25/2019									<0.005
2/28/2019								<0.005	
4/1/2019									0.00015 (J)
4/2/2019								<0.005	
9/24/2019								<0.005	<0.005
2/19/2020									<0.005
2/20/2020									
2/21/2020								<0.005	
3/18/2020									<0.005
3/19/2020								<0.005	
9/3/2020	0.0022 (J)	0.0028 (J)	<0.005						
9/23/2020									<0.005
9/24/2020									
9/25/2020								<0.005	
1/28/2021						0.014	<0.005		
2/16/2021									<0.005
2/17/2021									
2/18/2021			<0.005					<0.005	
2/22/2021	<0.005								
2/23/2021						0.013	0.0016 (J)		
3/8/2021		<0.005							
3/24/2021									<0.005
3/29/2021		<0.005							
3/30/2021						0.01 (J)	<0.005	<0.005	
3/31/2021			<0.005						
4/1/2021	0.0027 (J)								
4/19/2021				<0.005	<0.005				
8/18/2021			<0.005		<0.005				<0.005
8/19/2021								<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.005								
8/23/2021		<0.005				0.013	<0.005		
8/24/2021				<0.005					
2/9/2022			<0.005		<0.005				
2/10/2022									<0.005
2/11/2022								<0.005	
2/14/2022						0.0042 (J)	0.0018 (J)		
2/15/2022		<0.005							
2/17/2022	<0.005			<0.005					
7/26/2022			<0.005		<0.005				<0.005
7/28/2022	<0.005						<0.005	<0.005	
8/1/2022		<0.005		<0.005		0.0036 (J)			
1/25/2023			<0.005		<0.005				
1/26/2023								<0.005	<0.005
1/30/2023	<0.005								
1/31/2023						0.0058	<0.005		
2/1/2023				<0.005					
2/7/2023		<0.005							
8/15/2023			<0.005		<0.005				
8/16/2023									<0.005
8/17/2023								<0.005	
8/21/2023						0.0097			
8/22/2023				<0.005			0.0039 (J)		
8/23/2023		<0.005							
8/24/2023	<0.005								

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.00031 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.001 (J)
10/4/2016	
10/5/2016	0.0017 (J)
10/6/2016	
12/2/2016	
12/5/2016	<0.005
12/6/2016	
2/14/2017	
2/15/2017	<0.005
4/14/2017	
4/17/2017	<0.005
4/18/2017	
5/26/2017	0.0014 (J)
6/2/2017	
7/10/2017	
7/11/2017	<0.005
7/14/2017	
3/26/2018	
3/27/2018	<0.005
2/25/2019	
2/28/2019	
4/1/2019	0.0004 (J)
4/2/2019	
9/24/2019	<0.005
2/19/2020	
2/20/2020	<0.005
2/21/2020	
3/18/2020	
3/19/2020	0.0015 (J)
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.005
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0014 (J)
8/19/2021	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.0015 (J)
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.0015 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.0015 (J)
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	8					26			
6/7/2016							99	190	
8/9/2016	6.5								
8/10/2016						22			
8/11/2016									
8/12/2016								180	
8/16/2016							110		
8/22/2016		4.2							
10/3/2016	5.7								
10/4/2016		6.4				20			
10/6/2016								200	
10/7/2016							110		
11/29/2016	5.2								
12/1/2016		7.8				20			
12/5/2016								130	
12/6/2016							110		
1/10/2017		4.5							
2/13/2017	6.4								
2/14/2017		5.1				20			
2/15/2017								190	
2/16/2017							110		
4/13/2017	4.9					21			
4/14/2017		4.4							
4/18/2017							110	220	
5/25/2017	5.7	4.2				22			
5/30/2017									
6/2/2017							110	250	
7/7/2017	6.3					25			
7/10/2017		3.5							
7/12/2017							110		
7/13/2017								250	
7/14/2017									
10/9/2017	6.1					25			
10/10/2017		3.3						210	
10/11/2017							110		
6/12/2018	8.3	6.8							
6/14/2018							110	275	
10/16/2018	8.9	7.6				32.4			
10/17/2018								336	
10/18/2018							122		
4/1/2019	10.8	5.2						239	
4/2/2019						29.8	105		
4/3/2019			26.2						
5/2/2019	11.2								
9/23/2019	9	6.6				27.5			
9/25/2019							93.7	205	
9/26/2019									
9/27/2019			200 (o)						
2/18/2020						25.7			
2/19/2020		1.6							
2/21/2020			23.5						
3/18/2020	11.7	3.7							

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/19/2020						28		255	
3/20/2020			26.1						
3/23/2020							95.6		
5/22/2020				53.5					92.6
5/25/2020					43.3				
6/23/2020				64.5	59.7				88.7
7/28/2020				65.7	15.8				300
9/2/2020				70.2					360
9/3/2020					24.4				
9/23/2020	12.9	5.3				24.6			
9/24/2020							98.6		
9/25/2020			22.6					320	
10/1/2020				70.2	26.6				382
11/10/2020				68.9	24.1				354
12/15/2020				78	28.3				406
1/20/2021				73.4	26.1				299
3/23/2021		4.6							
3/24/2021								301	115
3/25/2021				74.5	22				
3/26/2021	12.8								
3/30/2021							104		
3/31/2021						21.9			
4/1/2021			24.6						
8/16/2021	12.7	4.8		74.5	6.7	23.4			
8/18/2021							97.9	326	375
8/25/2021			25						
2/9/2022	13.5			72.7	19.1	16.7			130
2/10/2022		1.9							
2/11/2022							86.1	343	
2/16/2022			22.8						
7/26/2022	13.2	3.6		74.9	20.8	20.7			486
7/27/2022								419	
7/28/2022							105		
8/3/2022			4.6						
1/24/2023	12.5	1.4		67.2	22.4				
1/25/2023						15.5			
1/26/2023								463	213
1/27/2023							97.3		
2/2/2023			7.3						
8/15/2023				65.7		18.2			
8/16/2023		3.8			23			398	486
8/17/2023							95		
8/21/2023	14.4								
8/23/2023			20.5						

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	240
8/9/2016	
8/10/2016	
8/11/2016	250
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	260
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	280
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	380
4/13/2017	
4/14/2017	
4/18/2017	290
5/25/2017	
5/30/2017	260
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	260
10/9/2017	
10/10/2017	
10/11/2017	270
6/12/2018	246
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	276
4/1/2019	
4/2/2019	272
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	288
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
3/19/2020	311
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	338
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	317
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	297
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	358
2/16/2022	
7/26/2022	
7/27/2022	496
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	490
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	453
8/21/2023	
8/23/2023	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	120								
6/8/2016		120	110	530	75	660			10
6/9/2016							510	730	
8/11/2016	110								
8/12/2016		81	110	530					
8/15/2016									10
8/18/2016					66	730	480	580	
10/7/2016	150	140	150						
10/10/2016				600	57	650	460	520	10
12/6/2016	130	160							
12/7/2016			97	580			490	370	
12/8/2016					68	660			13
1/23/2017									
2/7/2017									
2/16/2017	120	92	130						
2/17/2017				710	57	740			
2/20/2017							520	610	24
3/27/2017									
4/17/2017									
4/19/2017	110	80	140	610	52		490	600	
4/20/2017						990			26
5/22/2017									
5/30/2017	110								
6/1/2017		73	70	550	55				29
6/5/2017						700	480	700	
7/11/2017									
7/14/2017	110	78	110						
7/17/2017							510	670	25
7/18/2017				590	50				
7/19/2017						720			
8/23/2017									
10/10/2017									
10/11/2017	120	83	93	550			510	510	12
10/12/2017					48	780			
6/13/2018				541			586	689	
6/14/2018	106	74.6			48.1	738			10
6/15/2018			78.3						
10/17/2018	118								
10/18/2018		89.3							
10/19/2018			114		57.2				
10/22/2018				604		846	590	723	8.1
4/2/2019	86.9	70.1							
4/3/2019			90.6	593	61.9	720	603	648	
4/4/2019									11.4
5/2/2019						827			
9/26/2019	219	114	130	498					
9/27/2019						905	721		
9/30/2019					54.5			758	10.7
2/25/2020						472			
2/26/2020									
3/19/2020	90.5								
3/20/2020		75.9	76.9		57.8	610			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	410
2/7/2017	410
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	410
4/17/2017	400
4/19/2017	
4/20/2017	
5/22/2017	460
5/30/2017	
6/1/2017	
6/5/2017	440
7/11/2017	420
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	390
10/10/2017	420
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	174
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	204
4/2/2019	153
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	51.7
9/30/2019	
2/25/2020	
2/26/2020	42.6
3/19/2020	
3/20/2020	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	55.7
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	53.6
9/28/2020	
3/24/2021	
3/25/2021	28.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	37.2
8/19/2021	58.2
8/20/2021	
8/23/2021	
11/1/2021	65.5
2/11/2022	
2/14/2022	74.4
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	63.3
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	75.5
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	54
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/24/2023				630		146			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	234
9/2/2020	224
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	262
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	271
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	278
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	343
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	345
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	299

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

8/24/2023

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	100
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	110
10/4/2016	
10/5/2016	120
10/6/2016	
12/2/2016	
12/5/2016	130
12/6/2016	
2/14/2017	
2/15/2017	120
4/14/2017	
4/17/2017	110
4/18/2017	
5/26/2017	110
6/2/2017	
7/10/2017	
7/11/2017	110
7/14/2017	
10/10/2017	110
10/11/2017	
6/12/2018	80.6
6/13/2018	
10/16/2018	
10/17/2018	117
10/18/2018	
4/1/2019	81.4
4/2/2019	
9/24/2019	89
3/18/2020	
3/19/2020	74.3
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	84.8
9/25/2020	
1/28/2021	
2/23/2021	
3/24/2021	70.5
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	71.7
8/19/2021	
8/20/2021	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	70
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	88
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	63.6
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	87.3
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.001					<0.001			
6/7/2016							<0.001	<0.001	
8/9/2016	0.0001 (J)								
8/10/2016						7E-05 (J)			
8/11/2016									
8/12/2016								9E-05 (J)	
8/16/2016							<0.001		
8/22/2016		<0.001							
10/3/2016	<0.001								
10/4/2016		<0.001				<0.001			
10/6/2016								<0.001	
10/7/2016							<0.001		
11/29/2016	<0.001								
12/1/2016		<0.001				<0.001			
12/5/2016								<0.001	
12/6/2016							<0.001		
1/10/2017		<0.001							
2/13/2017	<0.001								
2/14/2017		<0.001				<0.001			
2/15/2017								<0.001	
2/16/2017							<0.001		
4/13/2017	9E-05 (J)					0.0001 (J)			
4/14/2017		<0.001							
4/18/2017							<0.001	9E-05 (J)	
5/25/2017	0.0001 (J)	<0.001				6E-05 (J)			
5/30/2017									
6/2/2017							<0.001	<0.001	
7/7/2017	9E-05 (J)					7E-05 (J)			
7/10/2017		<0.001							
7/12/2017							<0.001		
7/13/2017								8E-05 (J)	
7/14/2017									
3/26/2018	<0.001	<0.001							
3/27/2018							<0.001		
3/28/2018								<0.001	
6/12/2018	<0.001	<0.001							
6/14/2018							<0.001	<0.001	
10/16/2018	<0.001	<0.001				<0.001			
10/17/2018								<0.001	
10/18/2018							<0.001		
2/25/2019	<0.001								
2/27/2019		<0.001							
2/28/2019							<0.001	<0.001	
4/1/2019	0.00011 (J)	<0.001						<0.001	
4/2/2019						6.2E-05 (J)	<0.001		
4/3/2019			<0.001						
9/23/2019	0.00011 (J)	<0.001				6E-05 (J)			
9/25/2019							<0.001	6E-05 (J)	
9/26/2019									
9/27/2019			<0.001						
2/18/2020	0.00011 (J)					5.3E-05 (J)			
2/19/2020		<0.001							

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							<0.001		
2/21/2020			<0.001						
2/24/2020								<0.001	
3/18/2020	0.00012 (J)	<0.001							
3/19/2020						6.1E-05 (J)		6.2E-05 (J)	
3/20/2020			<0.001						
3/23/2020							<0.001		
5/22/2020				8.8E-05 (J)					0.00016 (J)
5/25/2020					<0.001				
6/23/2020				<0.001	<0.001				0.00011 (J)
7/28/2020				<0.001	<0.001				0.00026 (J)
9/2/2020				<0.001					0.00035 (J)
9/3/2020					<0.001				
9/23/2020	<0.001	<0.001				<0.001			
9/24/2020							<0.001		
9/25/2020			<0.001					<0.001	
10/1/2020				<0.001	<0.001				0.0005 (J)
11/10/2020				<0.001	<0.001				0.00044 (J)
12/15/2020				<0.001	<0.001				0.00044
1/20/2021				<0.001	<0.001				0.00031 (J)
2/16/2021	0.0002 (J)	<0.001							
2/17/2021				<0.001	<0.001				
2/18/2021						<0.001	<0.001		0.00077 (J)
2/19/2021			<0.001					<0.001	
3/23/2021		<0.001							
3/24/2021								<0.001	0.00023 (J)
3/25/2021				<0.001	<0.001				
3/26/2021	0.00025 (J)								
3/30/2021							<0.001		
3/31/2021						0.00017 (J)			
4/1/2021			<0.001						
8/16/2021	0.00019 (J)	<0.001		<0.001	<0.001	<0.001			
8/18/2021							<0.001	<0.001	0.00039 (J)
8/25/2021			<0.001						
2/9/2022	<0.001			<0.001	<0.001	<0.001			0.00024 (J)
2/10/2022		<0.001							
2/11/2022							<0.001	<0.001	
2/16/2022			<0.001						
7/26/2022	0.00021 (J)	<0.001		<0.001	<0.001	<0.001			0.00047 (J)
7/27/2022								<0.001	
7/28/2022							<0.001		
8/3/2022			<0.001						
1/24/2023	<0.001	<0.001		<0.001	<0.001				
1/25/2023						0.00022 (J)			
1/26/2023								<0.001	0.00048 (J)
1/27/2023							<0.001		
2/2/2023			<0.001						
8/15/2023				<0.001		<0.001			
8/16/2023		<0.001			<0.001			<0.001	0.00059 (J)
8/17/2023							<0.001		
8/21/2023	<0.001								
8/23/2023			<0.001						

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	0.0002 (J)
8/9/2016	
8/10/2016	
8/11/2016	0.0002 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0002 (J)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.0003 (J)
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0003 (J)
4/13/2017	
4/14/2017	
4/18/2017	0.0002 (J)
5/25/2017	
5/30/2017	0.0002 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0002 (J)
3/26/2018	
3/27/2018	0.00019 (J)
3/28/2018	
6/12/2018	0.0002 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.0002 (J)
2/25/2019	0.00023 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0002 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.00023 (J)
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.00028 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00022 (J)
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.00024 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.00023 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.00019 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.00023 (J)
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.00024 (J)
2/16/2022	
7/26/2022	
7/27/2022	0.00025 (J)
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	0.00023 (J)
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.00025 (J)
8/21/2023	
8/23/2023	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	8.5E-05 (J)								
6/8/2016		<0.001	8.5E-05 (J)	<0.001	<0.001	0.00035 (J)			<0.001
6/9/2016							0.0001 (J)	0.00022 (J)	
8/11/2016	8E-05 (J)								
8/12/2016		6E-05 (J)	8E-05 (J)	<0.001					
8/15/2016									<0.001
8/18/2016					<0.001	0.0005 (J)	<0.001	<0.001	
10/7/2016	<0.001	<0.001	<0.001						
10/10/2016				<0.001	<0.001	0.0006 (J)	<0.001	0.0003 (J)	<0.001
12/6/2016	<0.001	<0.001							
12/7/2016			<0.001	<0.001			<0.001	<0.001	
12/8/2016					<0.001	0.0005 (J)			<0.001
1/23/2017									
2/7/2017									
2/16/2017	<0.001	<0.001	<0.001						
2/17/2017				<0.001	<0.001	0.0006 (J)			
2/20/2017							<0.001	0.0003 (J)	<0.001
3/27/2017									
4/17/2017									
4/19/2017	8E-05 (J)	<0.001	6E-05 (J)	<0.001	<0.001		<0.001	0.0004 (J)	
4/20/2017						0.0006 (J)			<0.001
5/22/2017									
5/30/2017	9E-05 (J)								
6/1/2017		<0.001	8E-05 (J)	<0.001	<0.001				<0.001
6/5/2017						0.0006 (J)	<0.001	0.0004 (J)	
7/11/2017									
7/14/2017	9E-05 (J)	<0.001	8E-05 (J)						
7/17/2017							<0.001	0.0004 (J)	<0.001
7/18/2017				<0.001	<0.001				
7/19/2017						0.0007 (J)			
8/23/2017									
3/26/2018									
3/27/2018	<0.001	<0.001	<0.001						
3/28/2018				<0.001	<0.001				<0.001
3/29/2018						0.00063 (J)	<0.001	0.00048 (J)	
6/13/2018				<0.001			<0.001	0.00053 (J)	
6/14/2018	<0.001	<0.001			<0.001	0.00069 (J)			<0.001
6/15/2018			<0.001						
10/17/2018	<0.001								
10/18/2018		<0.001							
10/19/2018			<0.001		<0.001				
10/22/2018				<0.001		0.00071 (J)	<0.001	0.00047 (J)	<0.001
2/27/2019	<0.001	<0.001		<0.001					
3/1/2019			<0.001			0.00074 (J)	<0.001	0.0007 (J)	<0.001
4/2/2019	7.5E-05 (J)	<0.001							
4/3/2019			<0.001	<0.001	<0.001	0.0007 (J)	<0.001	0.00064 (J)	
4/4/2019									<0.001
9/26/2019	0.00026 (J)	7.1E-05 (J)	8E-05 (J)	<0.001					
9/27/2019						0.00088 (J)	0.00018 (J)		
9/30/2019					<0.001			0.00069 (J)	<0.001
2/24/2020	5.9E-05 (J)	6.8E-05 (J)	<0.001	<0.001					
2/25/2020						0.00062 (J)	0.00015 (J)		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					<0.001			0.00073 (J)	<0.001
3/19/2020	6.1E-05 (J)								
3/20/2020		<0.001	<0.001		<0.001	0.00063 (J)			
3/23/2020				0.0002 (J)			0.00016 (J)		
3/24/2020									<0.001
3/25/2020								0.00066 (J)	
9/24/2020	0.00018 (J)	<0.001			<0.001	0.001	0.00038 (J)		
9/25/2020								0.00057 (J)	
9/28/2020			<0.001	<0.001					<0.001
2/18/2021	<0.001	<0.001	<0.001	<0.001					
2/19/2021					<0.001	0.00089 (J)	0.00039 (J)	0.0005 (J)	
2/23/2021									<0.001
3/8/2021									
3/24/2021	<0.001	<0.001							
3/25/2021									
3/26/2021			<0.001				0.00069 (J)	0.00057 (J)	<0.001
3/29/2021				<0.001	<0.001	0.0009 (J)			
8/19/2021	<0.001	<0.001							<0.001
8/20/2021			<0.001	0.00025 (J)	<0.001				
8/23/2021						0.00088 (J)	<0.001	0.00051 (J)	
2/11/2022	<0.001								
2/14/2022							<0.001		
2/15/2022						0.0011		0.00045 (J)	
2/16/2022		<0.001	0.00021 (J)	<0.001	<0.001				<0.001
7/27/2022	<0.001	<0.001	<0.001	<0.001					<0.001
7/28/2022					<0.001				
8/1/2022							<0.001		
8/2/2022						0.00098 (J)		<0.001	
10/21/2022								0.00032 (J)	
1/26/2023	<0.001	0.00019 (J)							
1/27/2023			<0.001		<0.001				<0.001
1/30/2023				<0.001					
2/1/2023								0.00035 (J)	
2/2/2023							0.00027 (J)		
2/7/2023						0.0008 (J)			
8/17/2023	<0.001	<0.001							<0.001
8/18/2023			<0.001	<0.001					
8/21/2023									
8/22/2023						0.0013			
8/23/2023					<0.001		<0.001		
8/25/2023								0.00028 (J)	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0008 (J)
2/7/2017	0.0008 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0006 (J)
4/17/2017	0.0007 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0008 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0007 (J)
7/11/2017	0.0007 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0007 (J)
3/26/2018	0.00058 (J)
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.00056 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.00034 (J)
2/27/2019	
3/1/2019	0.00024 (J)
4/2/2019	0.00024 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00014 (J)
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	8.5E-05 (J)
3/19/2020	
3/20/2020	
3/23/2020	9.1E-05 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.001
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.001
3/24/2021	
3/25/2021	<0.001
3/26/2021	
3/29/2021	
8/19/2021	0.00022 (J)
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.001
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.001
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	<0.001
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	<0.001
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.00026 (J)				
10/18/2018	<0.001								
10/19/2018			<0.001						
10/22/2018		0.00014 (J)		<0.001					
4/2/2019					0.00022 (J)				
4/4/2019	<0.001		<0.001	<0.001					
4/5/2019		0.00046 (J)							
9/24/2019	<0.001		<0.001						
9/26/2019		0.00017 (J)		<0.001					
9/27/2019					0.00037 (J)				
2/25/2020				<0.001		<0.001			
2/26/2020	<0.001				0.00013 (J)				
2/27/2020		0.00013 (J)	8.9E-05 (J)				0.0027	0.00017 (J)	
2/28/2020									<0.001
3/23/2020	<0.001				0.00011 (J)				
3/24/2020		8.4E-05 (J)	<0.001			<0.001	5.6E-05 (J)	0.00013 (J)	
3/25/2020				6.8E-05 (J)					0.00014 (J)
9/2/2020							0.00042 (J)		
9/25/2020		0.00014 (J)		<0.001		<0.001			
9/28/2020	<0.001		<0.001		0.00019 (J)				
9/29/2020								0.00025 (J)	<0.001
2/19/2021			<0.001						
2/22/2021	<0.001			0.00016 (J)		<0.001		0.00021 (J)	<0.001
2/23/2021		0.00015 (J)							
3/8/2021					0.0002 (J)				
3/9/2021							<0.001		
3/25/2021					0.00019 (J)				
3/26/2021				<0.001		<0.001			
3/29/2021	<0.001						0.00018 (J)		
3/30/2021		0.00016 (J)	<0.001						<0.001
3/31/2021								0.00017 (J)	
8/19/2021							<0.001		
8/20/2021	<0.001			0.00026 (J)		<0.001			
8/23/2021					0.00024 (J)				
8/24/2021			<0.001					0.00027 (J)	<0.001
8/25/2021		<0.001							
2/14/2022					0.00022 (J)		<0.001		
2/15/2022									
2/16/2022	<0.001	<0.001	<0.001					<0.001	<0.001
2/17/2022				<0.001		<0.001			
7/28/2022	<0.001		<0.001	0.00022 (J)		<0.001			<0.001
7/29/2022		<0.001			0.00018 (J)				
8/2/2022							<0.001	<0.001	
1/27/2023	<0.001								
1/30/2023			<0.001	<0.001		<0.001			
1/31/2023		<0.001							<0.001
2/1/2023					<0.001				
2/2/2023								<0.001	
2/7/2023							<0.001		
8/18/2023	<0.001	<0.001	<0.001						<0.001
8/21/2023					<0.001		<0.001		
8/23/2023								<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/24/2023				<0.001		0.00048 (J)			

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.001
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.001
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.001
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.001
8/25/2021	
2/14/2022	
2/15/2022	<0.001
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.001
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	<0.001
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

8/24/2023

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.001
6/8/2016								<0.001	
8/10/2016									<0.001
8/11/2016								<0.001	
10/4/2016									<0.001
10/5/2016									
10/6/2016								<0.001	
12/2/2016									<0.001
12/5/2016									
12/6/2016								<0.001	
2/14/2017									<0.001
2/15/2017								<0.001	
4/14/2017									<0.001
4/17/2017									
4/18/2017								<0.001	
5/26/2017									<0.001
6/2/2017								<0.001	
7/10/2017									<0.001
7/11/2017									
7/14/2017								<0.001	
3/26/2018									<0.001
3/27/2018								<0.001	
6/12/2018									<0.001
6/13/2018								<0.001	
10/16/2018									<0.001
10/17/2018									
10/18/2018								<0.001	
2/25/2019									<0.001
2/28/2019								<0.001	
4/1/2019									<0.001
4/2/2019								7E-05 (J)	
9/24/2019								8.7E-05 (J)	<0.001
2/19/2020									<0.001
2/20/2020									
2/21/2020								9.6E-05 (J)	
3/18/2020									<0.001
3/19/2020								0.00011 (J)	
9/3/2020	<0.001	0.0024	<0.001						
9/23/2020									<0.001
9/24/2020									
9/25/2020								<0.001	
1/28/2021						0.0002 (J)	0.00045 (J)		
2/16/2021									<0.001
2/17/2021									
2/18/2021				<0.001				<0.001	
2/22/2021	<0.001								
2/23/2021						<0.001	0.00023 (J)		
3/8/2021		0.0015							
3/24/2021									<0.001
3/29/2021		0.0016							
3/30/2021						0.0004 (J)	0.00024 (J)	0.00015 (J)	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Date	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			<0.001						
4/1/2021	<0.001								
4/19/2021				<0.001	<0.001				
8/18/2021			<0.001		<0.001				<0.001
8/19/2021								0.00023 (J)	
8/20/2021	<0.001								
8/23/2021		0.0028				<0.001	0.00037 (J)		
8/24/2021				<0.001					
2/9/2022			<0.001		<0.001				
2/10/2022									<0.001
2/11/2022								0.0003 (J)	
2/14/2022						<0.001	<0.001		
2/15/2022		0.0034							
2/17/2022	<0.001			<0.001					
7/26/2022			<0.001		<0.001				<0.001
7/28/2022	<0.001						<0.001	0.00029 (J)	
8/1/2022		0.0028		<0.001		<0.001			
1/25/2023			<0.001		<0.001				
1/26/2023								0.00019 (J)	<0.001
1/30/2023	<0.001								
1/31/2023						<0.001	0.0002 (J)		
2/1/2023				<0.001					
2/7/2023		0.0011							
8/15/2023			<0.001		<0.001				
8/16/2023									<0.001
8/17/2023								0.00074 (J)	
8/21/2023						<0.001			
8/22/2023				<0.001			<0.001		
8/23/2023		0.0021							
8/24/2023	<0.001								

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.001
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.001
10/4/2016	
10/5/2016	<0.001
10/6/2016	
12/2/2016	
12/5/2016	<0.001
12/6/2016	
2/14/2017	
2/15/2017	<0.001
4/14/2017	
4/17/2017	<0.001
4/18/2017	
5/26/2017	<0.001
6/2/2017	
7/10/2017	
7/11/2017	<0.001
7/14/2017	
3/26/2018	
3/27/2018	<0.001
6/12/2018	<0.001
6/13/2018	
10/16/2018	
10/17/2018	<0.001
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	6.5E-05 (J)
4/2/2019	
9/24/2019	<0.001
2/19/2020	
2/20/2020	0.00022 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.00018 (J)
9/3/2020	
9/23/2020	
9/24/2020	<0.001
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.001
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.001
3/29/2021	
3/30/2021	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.001
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.001
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.001
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	0.00018 (J)
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	0.0002 (J)
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	170					220			
6/7/2016							300	510	
8/9/2016	183								
8/10/2016						299			
8/11/2016									
8/12/2016								476	
8/16/2016							286		
8/22/2016		121							
10/3/2016	201								
10/4/2016		95				245			
10/6/2016								524	
10/7/2016							513		
11/29/2016	109								
12/1/2016		121				269			
12/5/2016								489	
12/6/2016							421		
1/10/2017		115							
2/13/2017	214								
2/14/2017		345 (o)				405			
2/15/2017								562	
2/16/2017							433		
4/13/2017	211					349			
4/14/2017		119							
4/18/2017							349	955	
5/25/2017	173	109				283			
5/30/2017									
6/2/2017							313	602	
7/7/2017	165					265			
7/10/2017		140							
7/12/2017							255		
7/13/2017								617	
7/14/2017									
10/9/2017	150					253			
10/10/2017		93						534	
10/11/2017							343		
6/12/2018	187	139							
6/14/2018							362	684	
10/16/2018	192	138				311			
10/17/2018								739	
10/18/2018							355		
4/1/2019	226	114						191	
4/2/2019						295	355		
4/3/2019			235						
9/23/2019	186	122				296			
9/25/2019							388	690	
9/26/2019									
9/27/2019			275						
2/18/2020						318			
2/19/2020		113							
2/21/2020			229						
3/18/2020	191	108							
3/19/2020						300		662	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Date	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			229						
3/23/2020							355		
5/22/2020				357					454
5/25/2020					249				
6/23/2020				383	280				423
7/28/2020				410	264				768
9/2/2020				389					814
9/3/2020					303				
9/23/2020	237	114				296			
9/24/2020							356		
9/25/2020			233					740	
10/1/2020				384	301				824
11/10/2020				405	305				800
12/15/2020				385	289				876
1/20/2021				377	285				786
3/23/2021		108							
3/24/2021								752	445
3/25/2021				415	331				
3/26/2021	204								
3/30/2021							321		
3/31/2021						299			
4/1/2021			183						
8/16/2021	217	101		399	269	298			
8/18/2021							366	798	850
8/25/2021			208						
2/9/2022	229			403	290	304			468
2/10/2022		96							
2/11/2022							360	816	
2/16/2022			208						
7/26/2022	215	114		402	246	306			966
7/27/2022								952	
7/28/2022							338		
8/3/2022			287						
1/24/2023	223	129		391	280				
1/25/2023						312			
1/26/2023								995	554
1/27/2023							380		
2/2/2023			368						
8/15/2023				399		309			
8/16/2023		101			267			1050	1090
8/17/2023							398		
8/21/2023	243								
8/23/2023			351						

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	580
8/9/2016	
8/10/2016	
8/11/2016	548
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	617
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	730
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	685
4/13/2017	
4/14/2017	
4/18/2017	621
5/25/2017	
5/30/2017	601
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	569
10/9/2017	
10/10/2017	
10/11/2017	588
6/12/2018	593
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	578
4/1/2019	
4/2/2019	604
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	688
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	
3/19/2020	631

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	732
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	610
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	658
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	782
2/16/2022	
7/26/2022	
7/27/2022	944
7/28/2022	
8/3/2022	
1/24/2023	
1/25/2023	
1/26/2023	895
1/27/2023	
2/2/2023	
8/15/2023	
8/16/2023	
8/17/2023	977
8/21/2023	
8/23/2023	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	360								
6/8/2016		390	340	1000	260	2000			170
6/9/2016							1900	5200	
8/11/2016	340								
8/12/2016		310	326	1100					
8/15/2016									161
8/18/2016					239	1960	1600	4200	
10/7/2016	533	823	621						
10/10/2016				1110	239	2130	1640	3850	196
12/6/2016	413	560							
12/7/2016			269	1100			1770	2720	
12/8/2016					255	2200			209
1/23/2017									
2/7/2017									
2/16/2017	434	364	488						
2/17/2017				1160	236	2200			
2/20/2017							1720	4200	251
3/27/2017									
4/17/2017									
4/19/2017	415	337	396	1180	247		1800	4680	
4/20/2017						2330			324
5/22/2017									
5/30/2017	391								
6/1/2017		215	266	1130	185				177
6/5/2017						2530	2050	5660	
7/11/2017									
7/14/2017	391	281	325						
7/17/2017							1810	5080	238
7/18/2017				1160	219				
7/19/2017						2650			
8/23/2017									
10/10/2017									
10/11/2017	403	334	287	1050			1780	4920	199
10/12/2017					245	2500			
6/13/2018				1060			2020	4180	
6/14/2018	395	290			231	2380			225
6/15/2018			280						
10/17/2018	446								
10/18/2018		325							
10/19/2018			321		236				
10/22/2018				1150		2490	1880	4300	218
4/2/2019	321	258							
4/3/2019			259	1090	244	2180	1990	13 (J)	
4/4/2019									196
9/26/2019	550	470	428	1210					
9/27/2019						3260	2540		
9/30/2019					256			4430	220
2/25/2020						1930			
2/26/2020									
3/19/2020	324								
3/20/2020		255	243		253	2200			
3/23/2020				1220			2800		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	2060
2/7/2017	1860
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	2440
4/17/2017	2180
4/19/2017	
4/20/2017	
5/22/2017	2470
5/30/2017	
6/1/2017	
6/5/2017	2780
7/11/2017	2580
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	2400
10/10/2017	1990
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	1190
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	1070
4/2/2019	773
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	629
9/30/2019	
2/25/2020	
2/26/2020	523
3/19/2020	
3/20/2020	
3/23/2020	613

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	482
9/28/2020	
3/24/2021	
3/25/2021	358
3/26/2021	
3/29/2021	
8/19/2021	682
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	618
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	582
8/2/2022	
10/21/2022	
1/26/2023	
1/27/2023	
1/30/2023	
2/1/2023	745
2/2/2023	
2/7/2023	
8/17/2023	
8/18/2023	
8/21/2023	611
8/22/2023	
8/23/2023	
8/25/2023	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					1200				
10/18/2018	501								
10/19/2018			450						
10/22/2018		1140		1810					
4/2/2019					976				
4/4/2019	350		419	1930					
4/5/2019		1160							
9/24/2019	419		442						
9/26/2019		1410		2240					
9/27/2019					1030				
11/15/2019		1540							
12/13/2019								2550	
12/16/2019									753
2/25/2020				1820		840			
2/26/2020					650				
2/27/2020							1230		
3/23/2020	395				714				
3/24/2020		995	451			628	1610	787	
3/25/2020				1240					783
5/4/2020									
9/2/2020							982		
9/25/2020		1690		880		594			
9/28/2020	405		466		938				
9/29/2020								2520	908
3/25/2021					902				
3/26/2021				2220		496			
3/29/2021	352						702		
3/30/2021		1030	346						582
3/31/2021								1060	
8/19/2021							808		
8/20/2021	419			2040		530			
8/23/2021					1140				
8/24/2021			504					2420	604
8/25/2021		1340							
2/14/2022					848		926		
2/15/2022									
2/16/2022	428	1320	474					1760	776
2/17/2022				2850		570			
7/28/2022	473		540	2930		692			810
7/29/2022		1260			846				
8/2/2022							1060	2700	
1/27/2023	433								
1/30/2023			593	2720		720			
1/31/2023		1240							671
2/1/2023					948				
2/2/2023								1220	
2/7/2023							348		
8/18/2023	454	1080	560						672
8/21/2023					975		774		
8/23/2023								1910	
8/24/2023				2730		690			

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	904
9/2/2020	829
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	1010
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	1160
8/25/2021	
2/14/2022	
2/15/2022	1140
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	1180
8/2/2022	
1/27/2023	
1/30/2023	
1/31/2023	
2/1/2023	1500
2/2/2023	
2/7/2023	
8/18/2023	
8/21/2023	
8/23/2023	1300
8/24/2023	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									200
6/8/2016							800		
8/10/2016									228
8/11/2016							852		
10/4/2016									186
10/5/2016									
10/6/2016							906		
12/2/2016									183
12/5/2016									
12/6/2016							976		
2/14/2017									367
2/15/2017							968		
4/14/2017									184
4/17/2017									
4/18/2017							944		
5/26/2017									179
6/2/2017							910		
7/10/2017									211
7/11/2017									
7/14/2017							887		
10/10/2017									178
10/11/2017							887		
6/12/2018									217
6/13/2018							873		
10/16/2018									247
10/17/2018									
10/18/2018							876		
4/1/2019									191
4/2/2019							728		
9/24/2019							733		193
3/18/2020									193
3/19/2020							733		
5/4/2020		1680	298						
5/11/2020	470								
5/20/2020	799	1960							
9/3/2020	611	1980	312						
9/23/2020									187
9/24/2020									
9/25/2020								726	
1/28/2021						2950	1460		
2/23/2021						2900	1590		
3/24/2021									198
3/29/2021		700							
3/30/2021						1980	1170	570	
3/31/2021			308						
4/1/2021	502								
4/19/2021				970	270				
8/18/2021			307		264				220
8/19/2021								666	
8/20/2021	628								
8/23/2021		2890				3370	1960		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	320
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	361
10/4/2016	
10/5/2016	376
10/6/2016	
12/2/2016	
12/5/2016	426
12/6/2016	
2/14/2017	
2/15/2017	452
4/14/2017	
4/17/2017	388
4/18/2017	
5/26/2017	423
6/2/2017	
7/10/2017	
7/11/2017	387
7/14/2017	
10/10/2017	376
10/11/2017	
6/12/2018	348
6/13/2018	
10/16/2018	
10/17/2018	377
10/18/2018	
4/1/2019	326
4/2/2019	
9/24/2019	325
3/18/2020	
3/19/2020	306
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	322
9/25/2020	
1/28/2021	
2/23/2021	
3/24/2021	294
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	307
8/19/2021	
8/20/2021	
8/23/2021	

Time Series

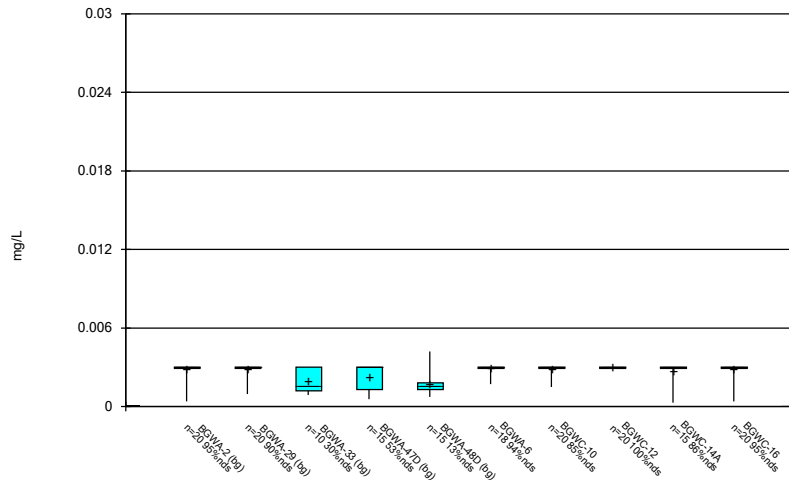
Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/24/2021	
2/9/2022	
2/10/2022	304
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	349
7/28/2022	
8/1/2022	
1/25/2023	
1/26/2023	301
1/30/2023	
1/31/2023	
2/1/2023	
2/7/2023	
8/15/2023	
8/16/2023	
8/17/2023	393
8/21/2023	
8/22/2023	
8/23/2023	
8/24/2023	

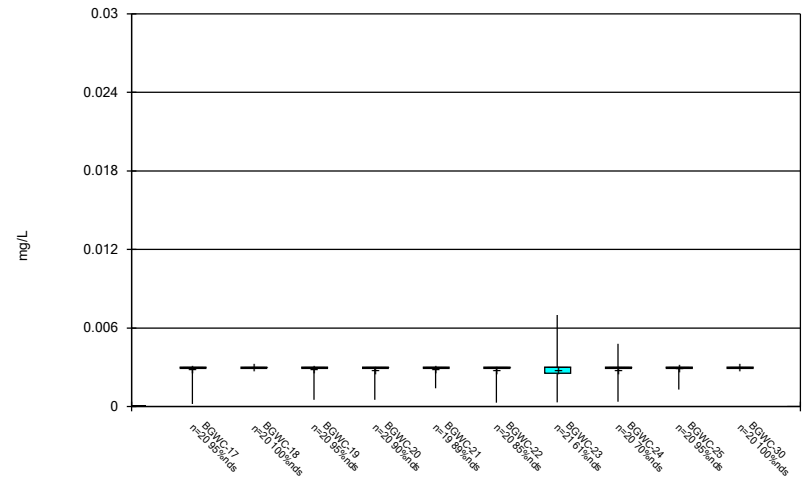
FIGURE B.

Box & Whiskers Plot



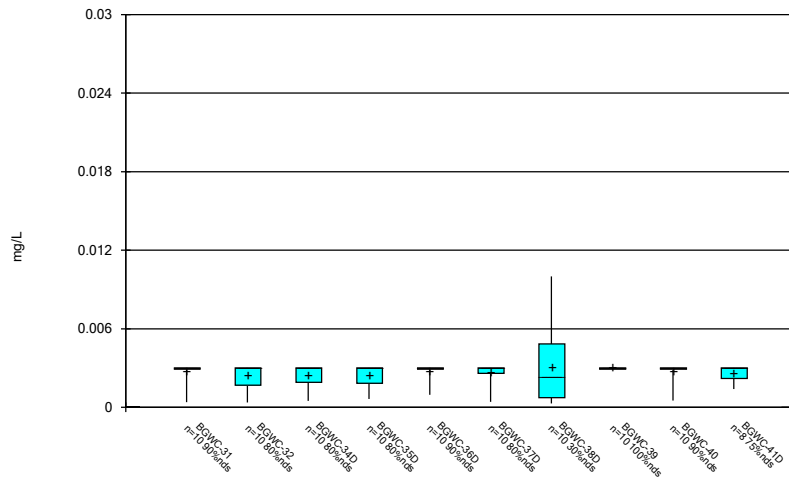
Constituent: Antimony Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



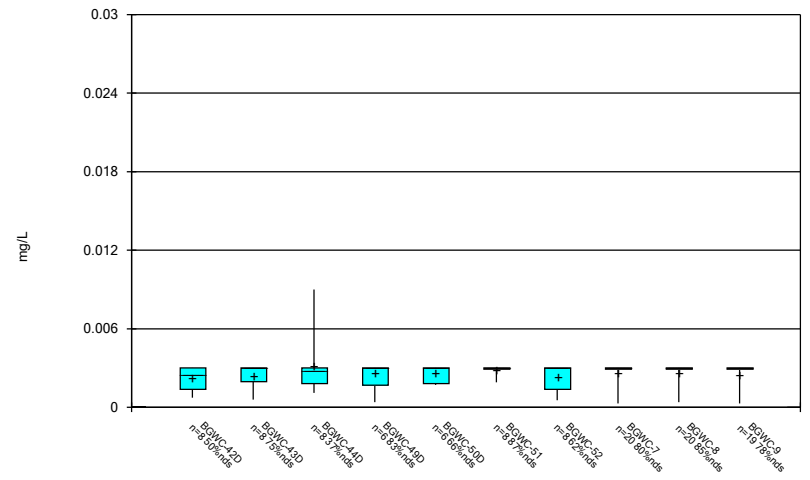
Constituent: Antimony Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



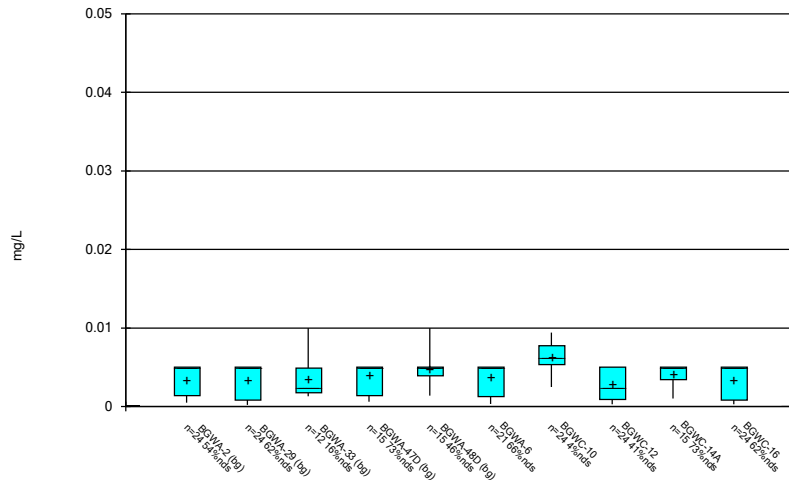
Constituent: Antimony Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



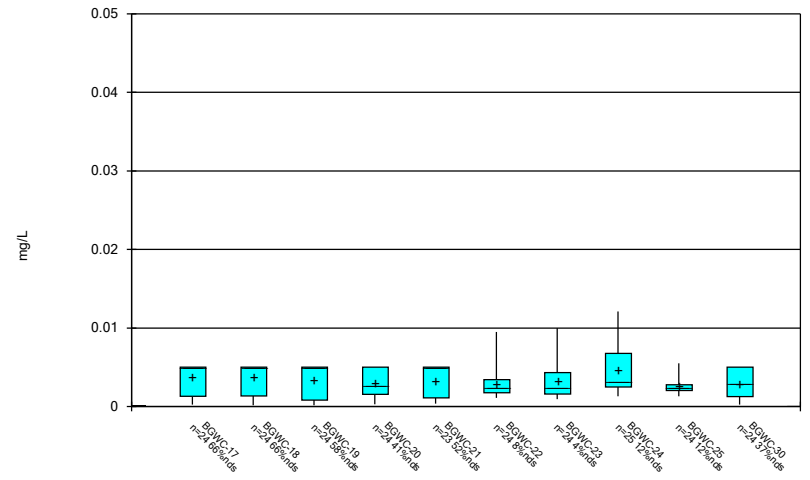
Constituent: Antimony Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



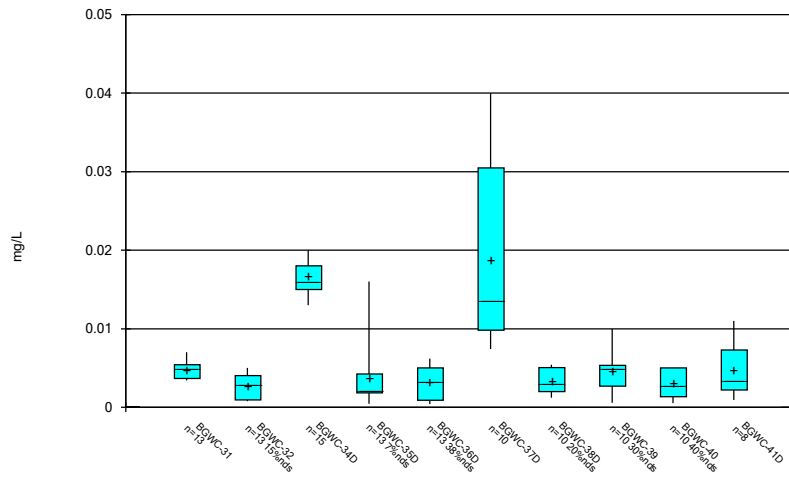
Constituent: Arsenic Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



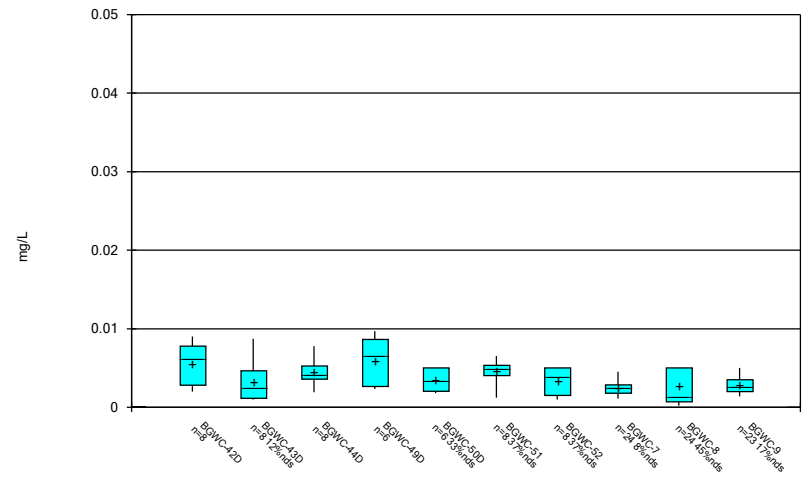
Constituent: Arsenic Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



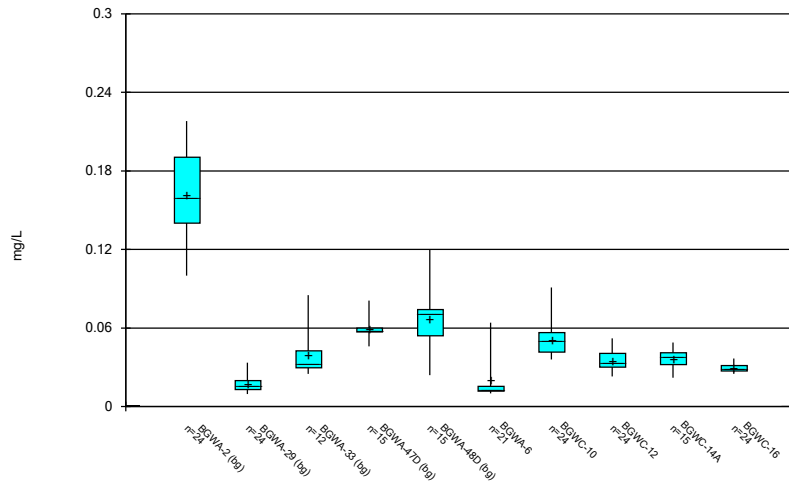
Constituent: Arsenic Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



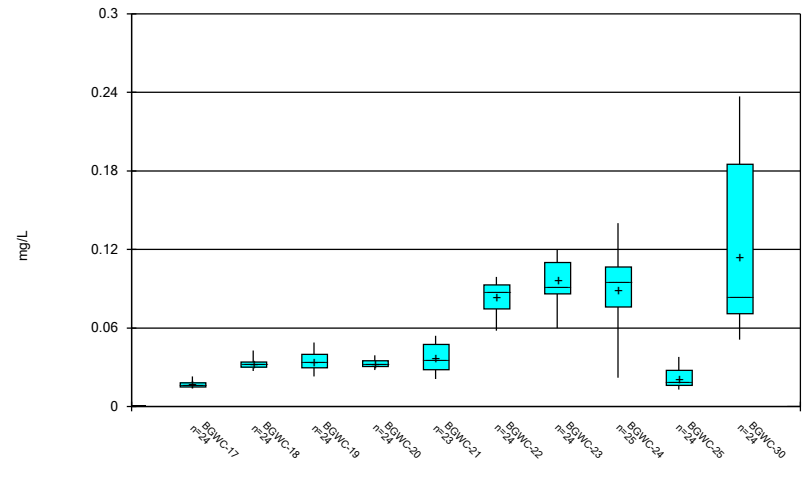
Constituent: Arsenic Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



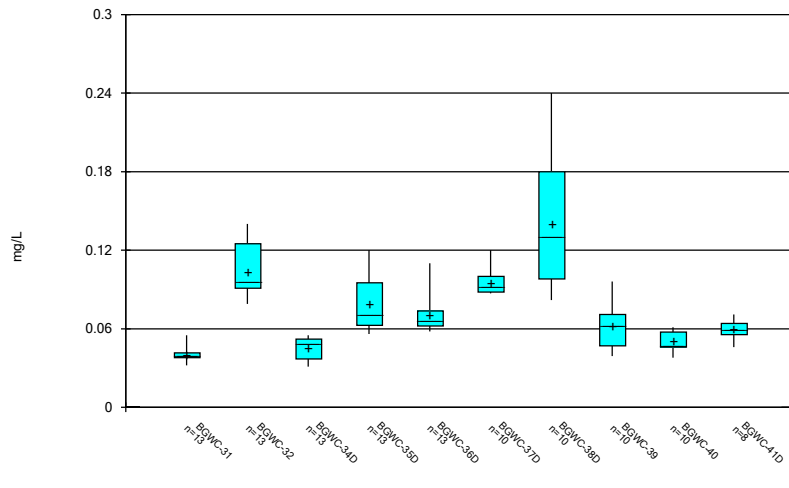
Constituent: Barium Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



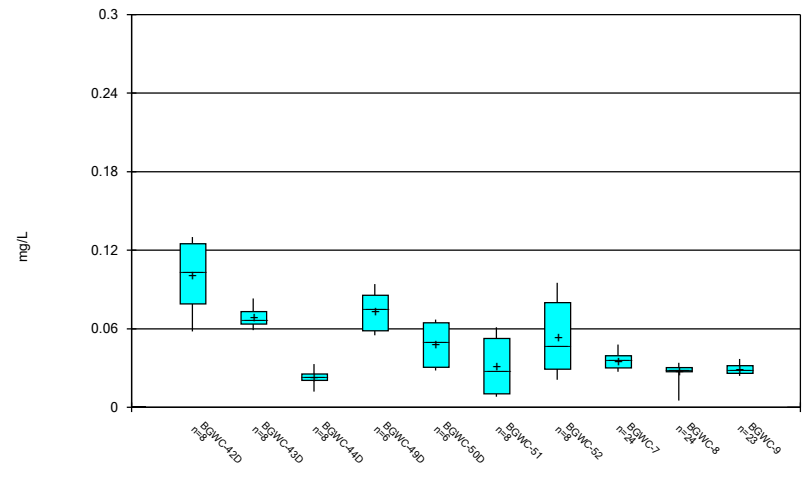
Constituent: Barium Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



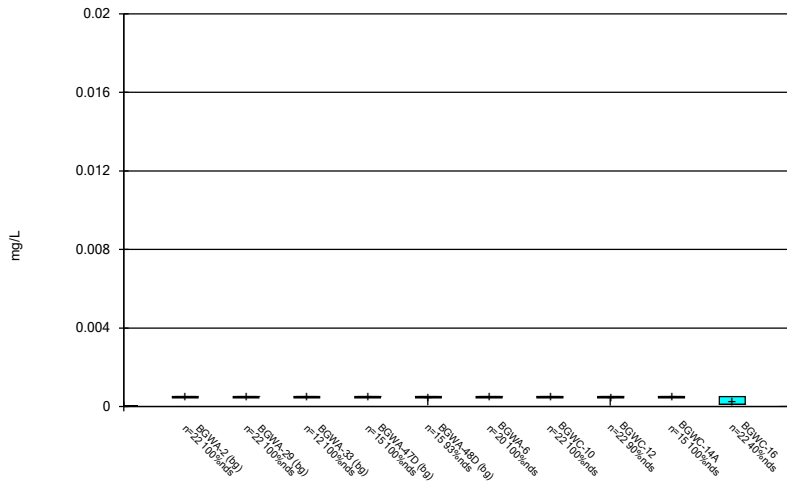
Constituent: Barium Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



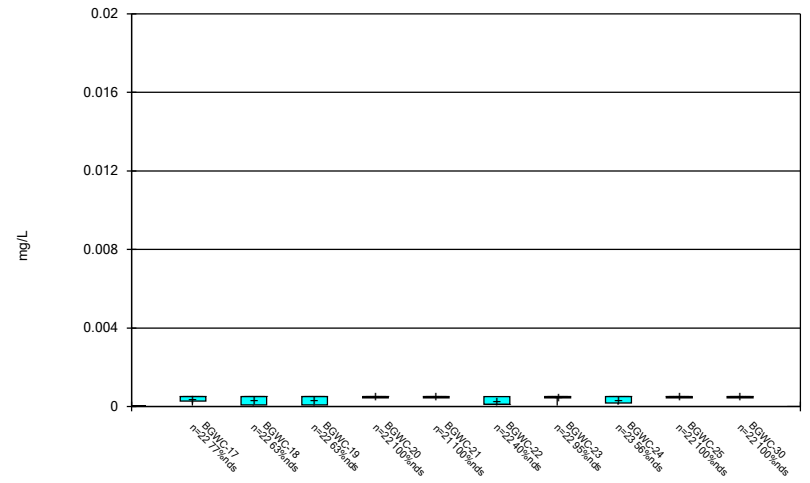
Constituent: Barium Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



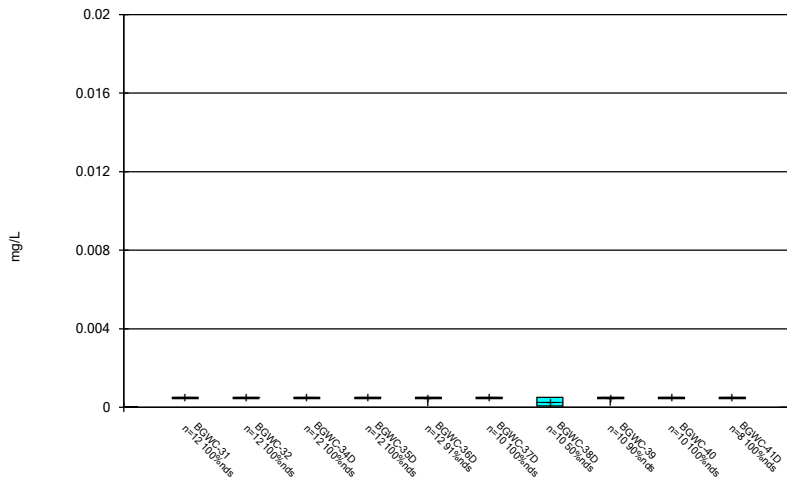
Constituent: Beryllium Analysis Run 11/21/2023 4:28 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



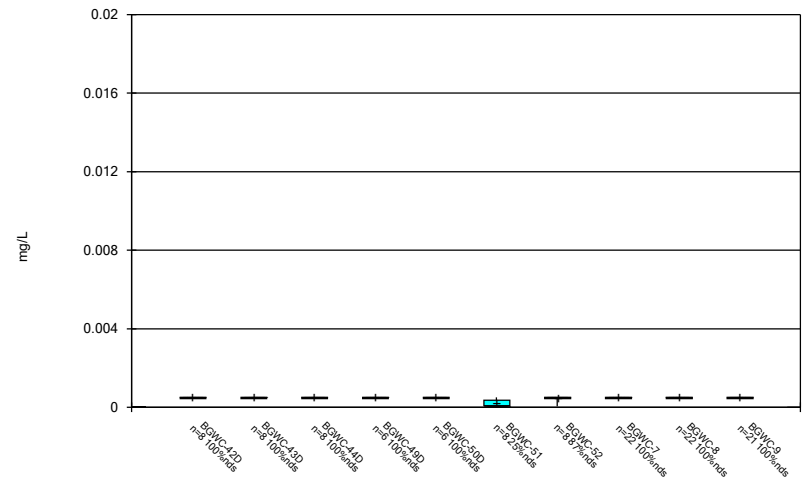
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



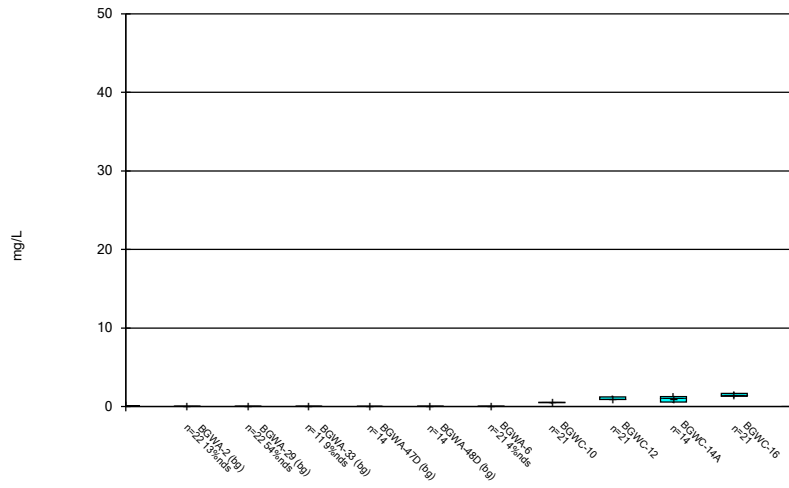
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



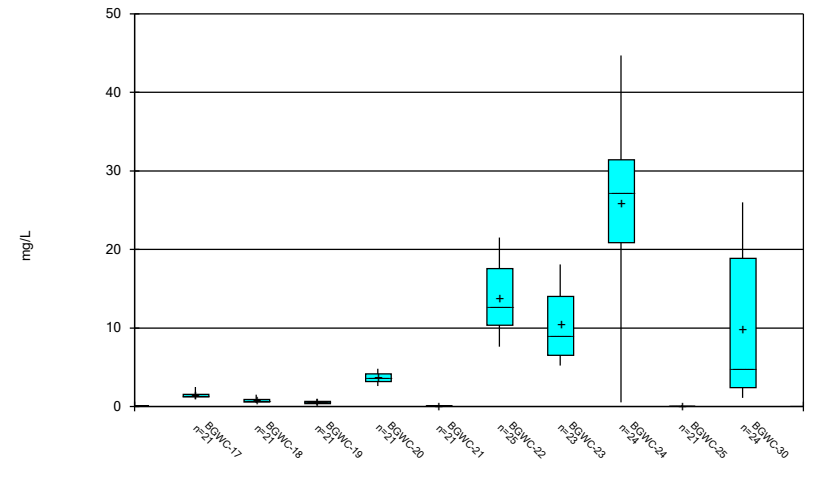
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



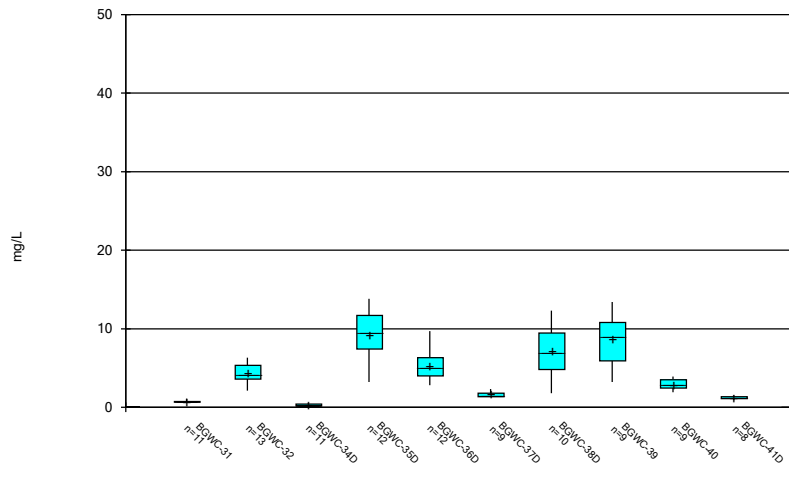
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



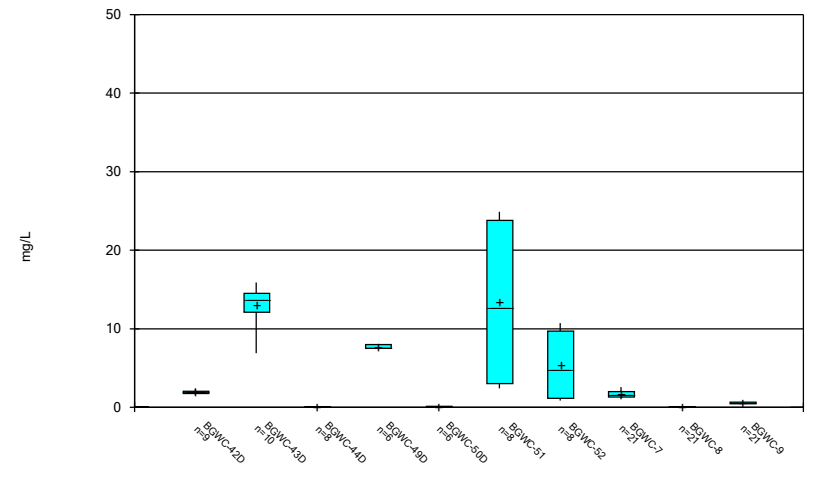
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Box & Whiskers Plot



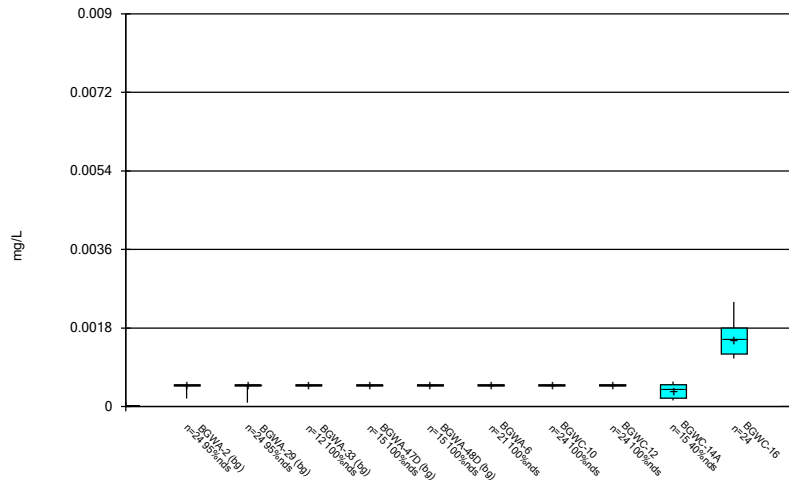
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Box & Whiskers Plot



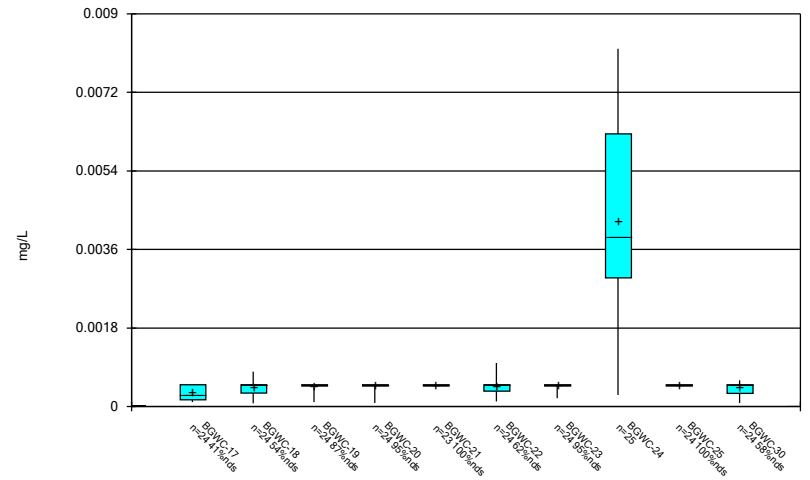
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



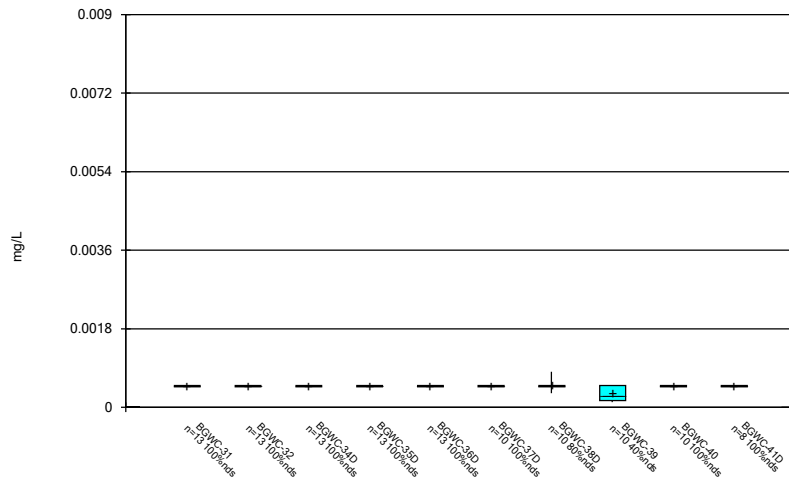
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



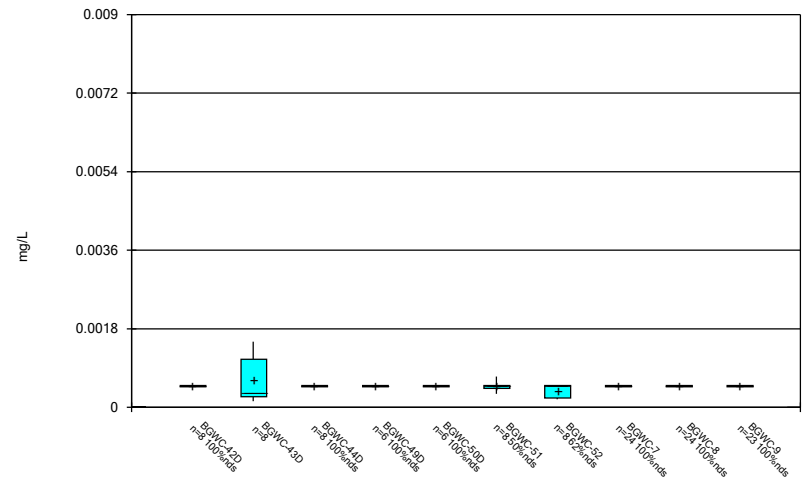
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



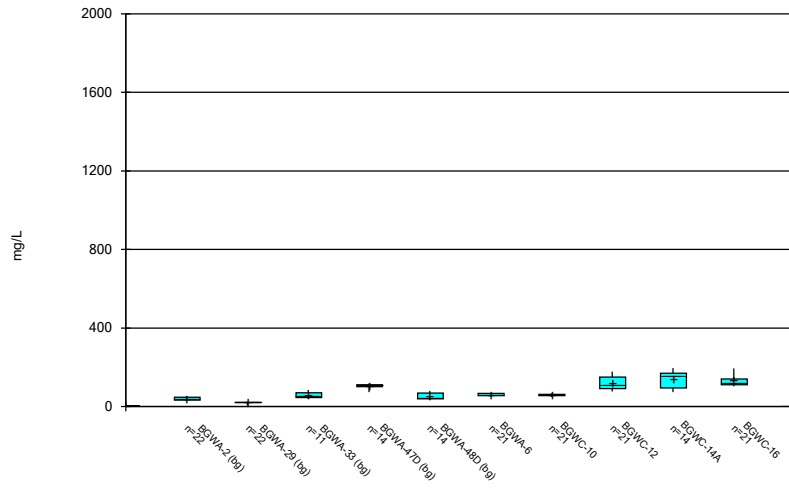
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



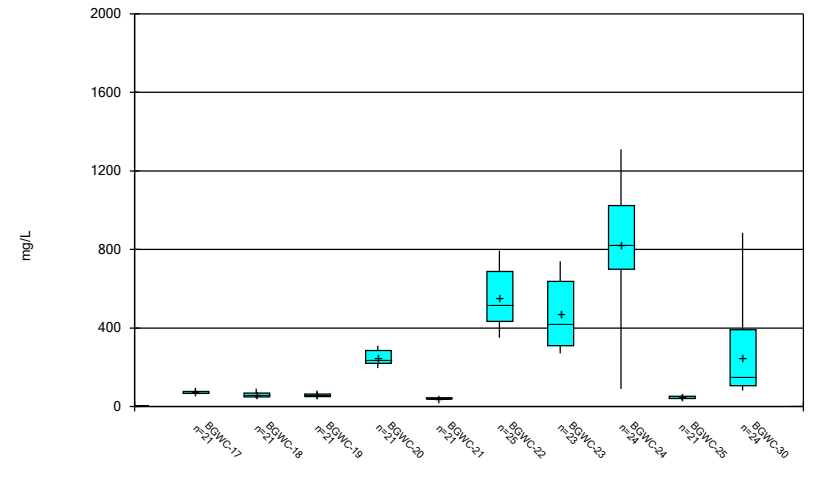
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



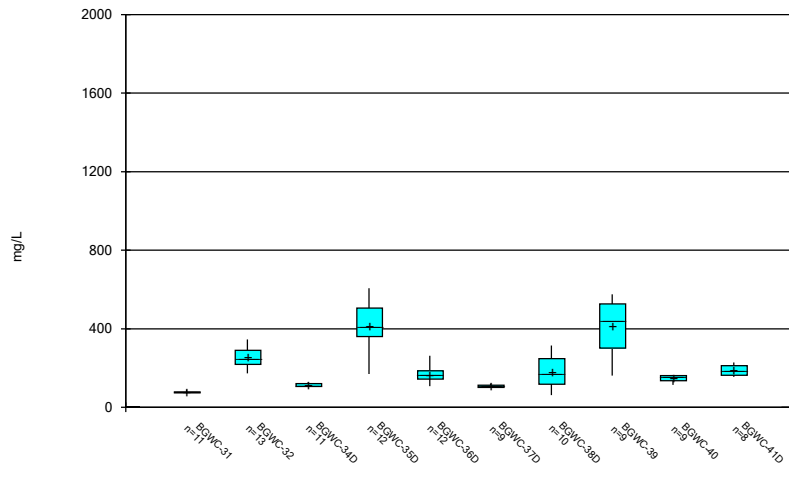
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



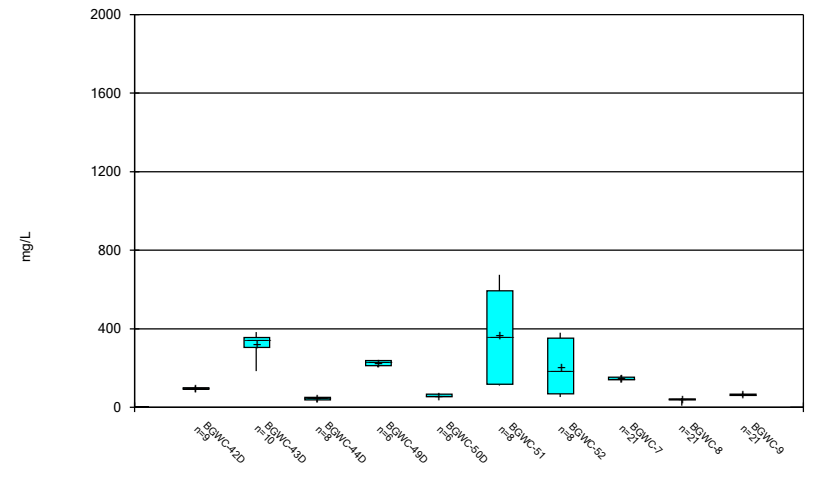
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



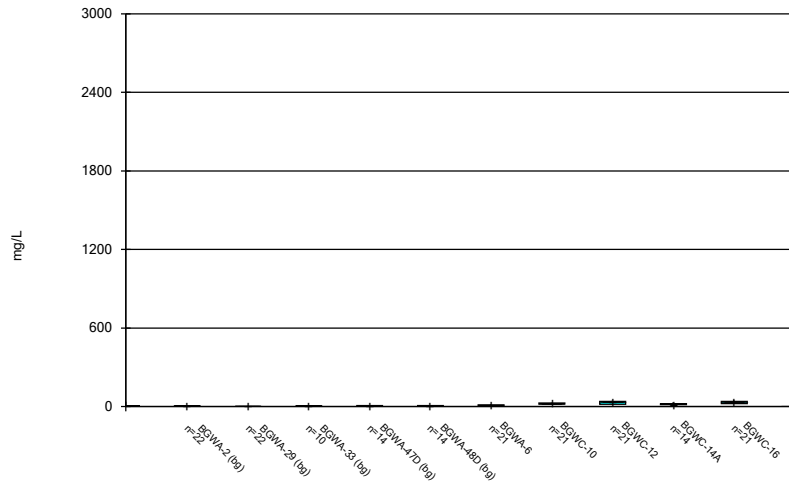
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



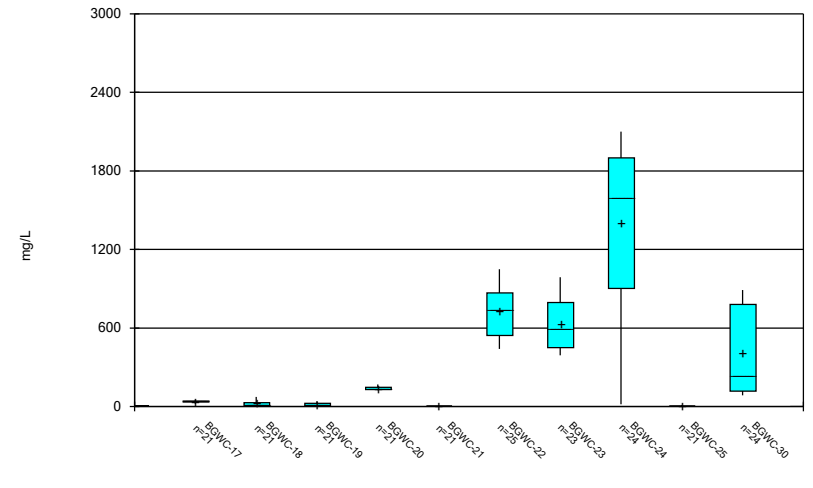
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



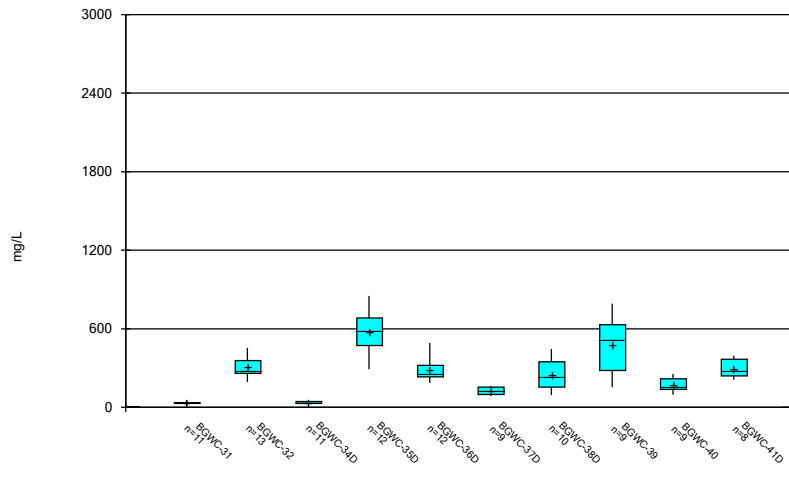
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



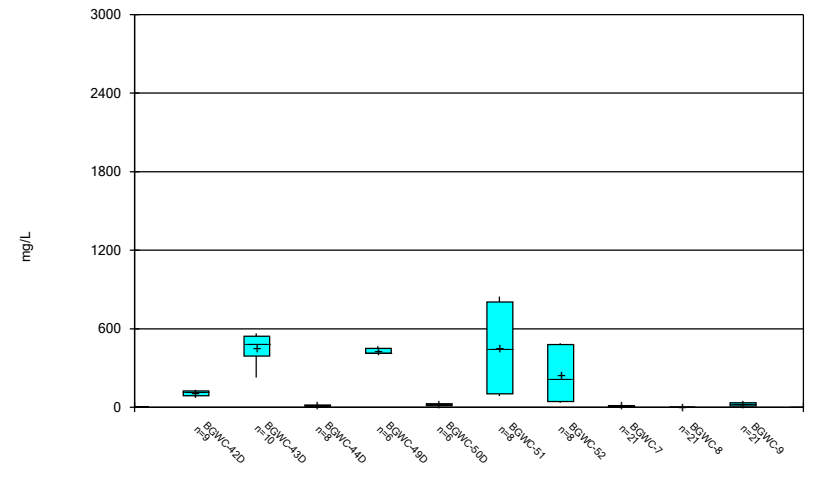
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



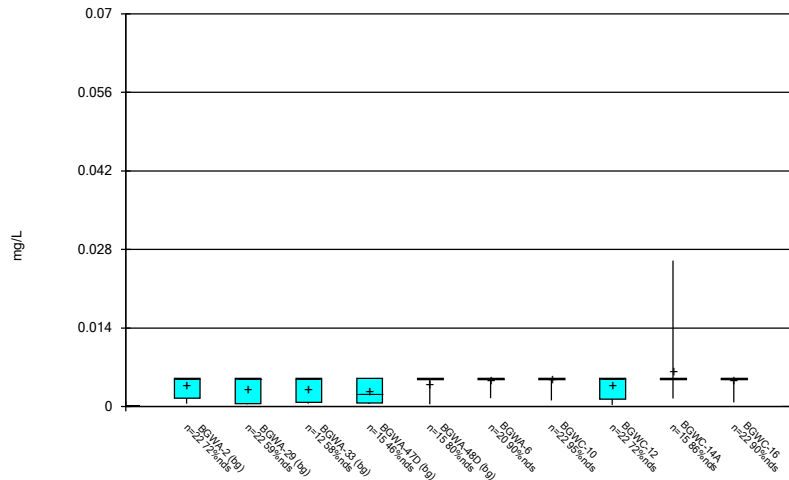
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



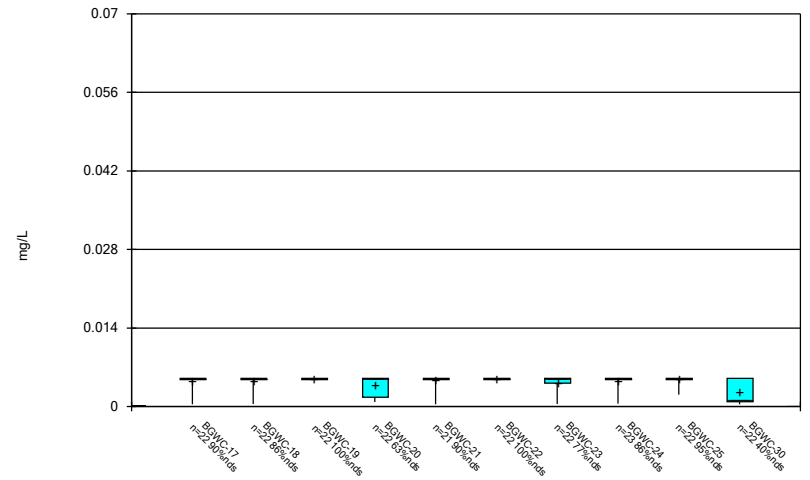
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



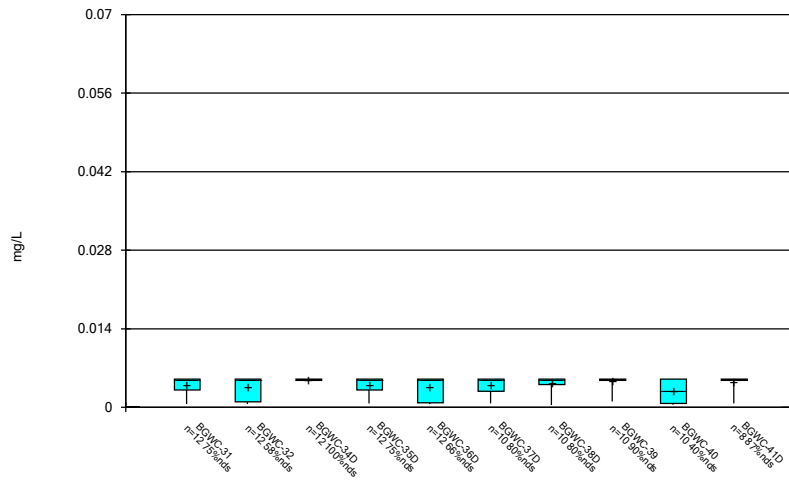
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Box & Whiskers Plot



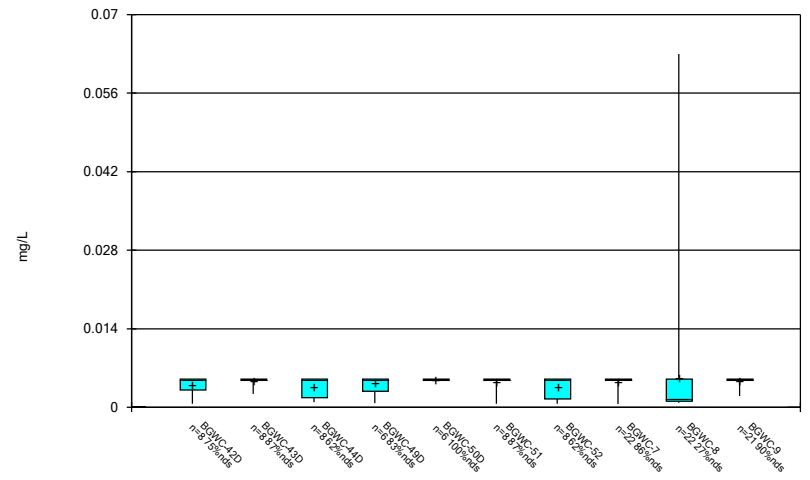
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Box & Whiskers Plot



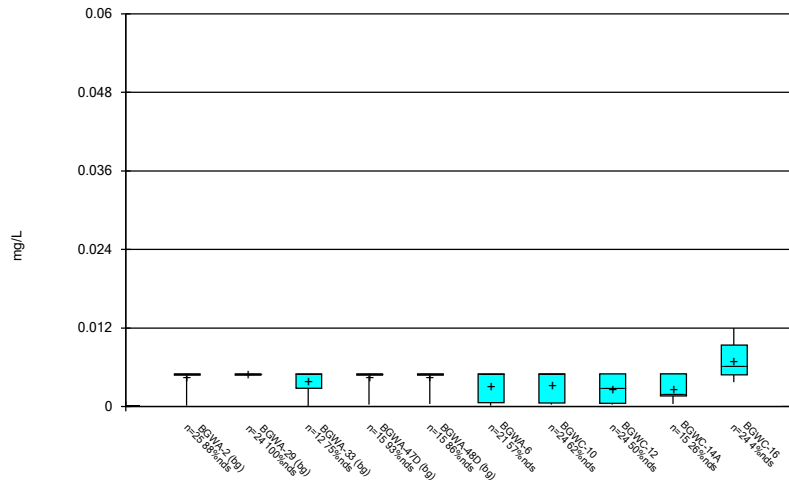
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



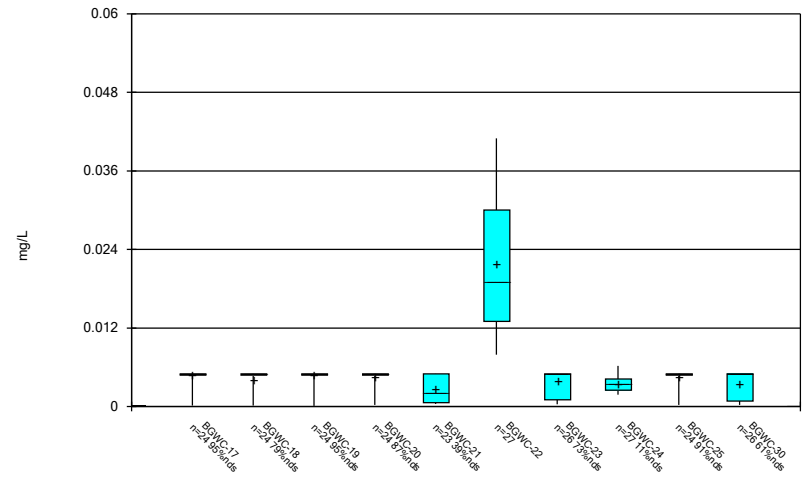
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



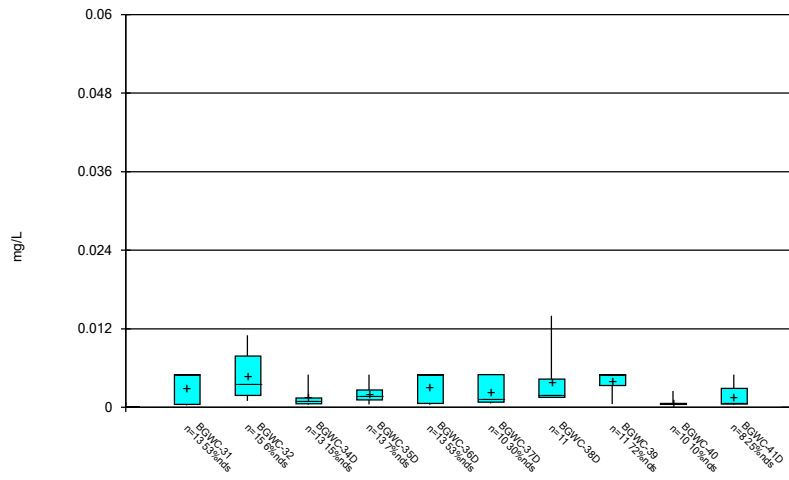
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



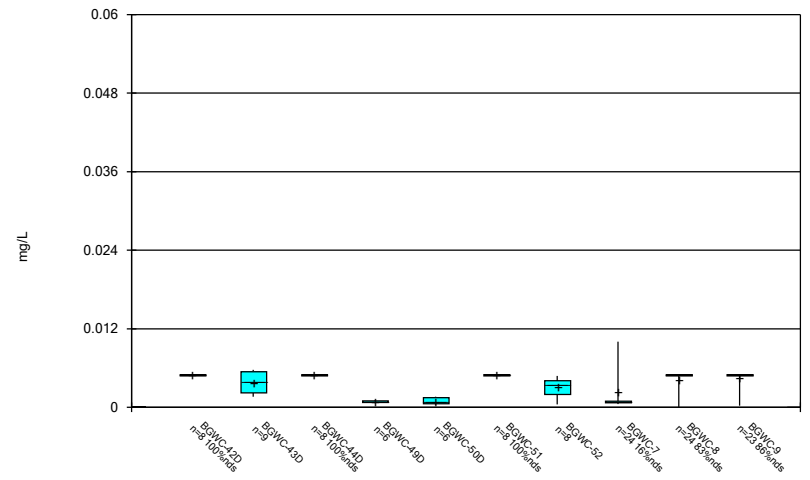
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Box & Whiskers Plot



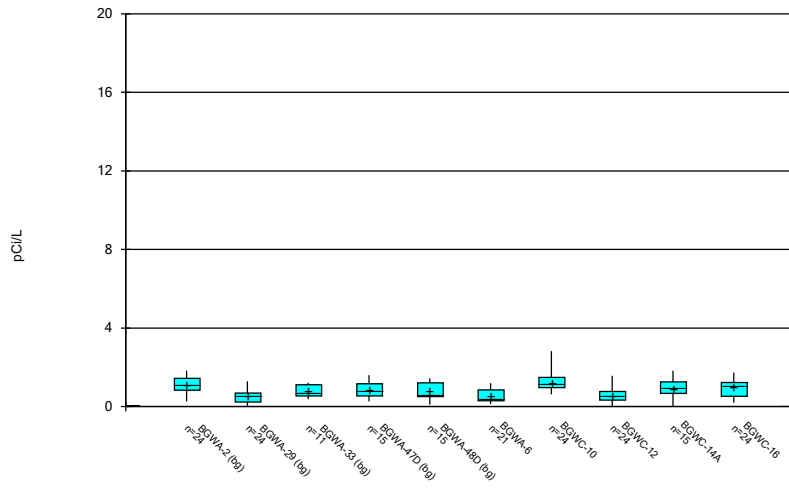
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Box & Whiskers Plot



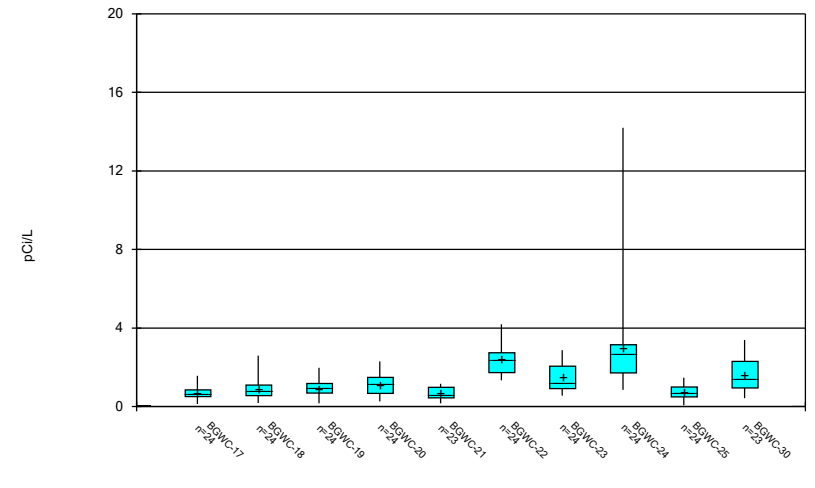
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



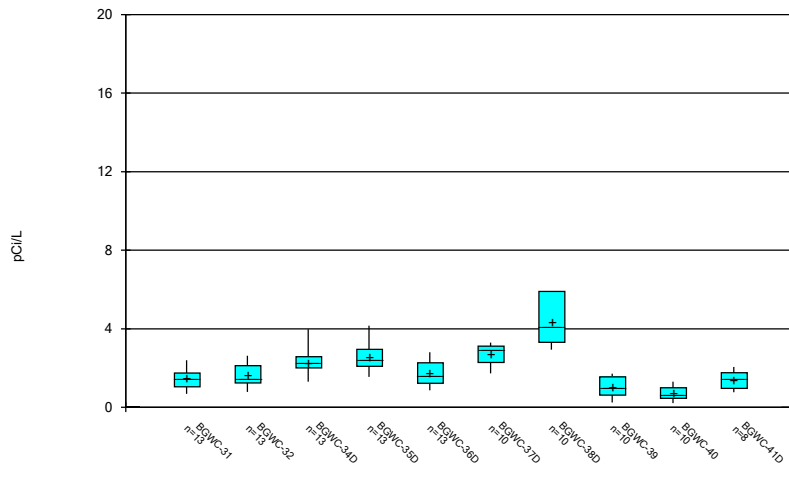
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



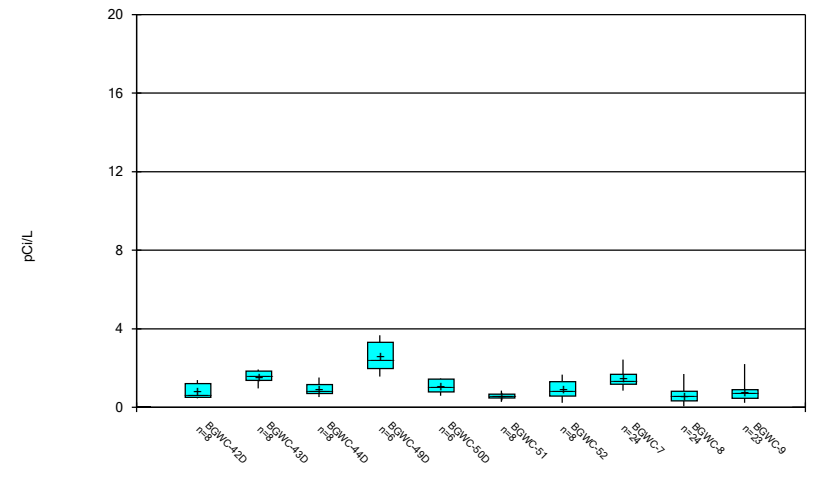
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



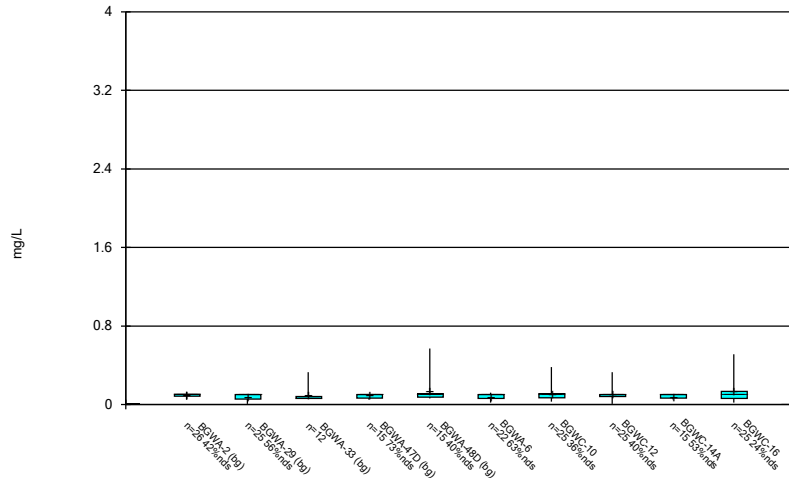
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Box & Whiskers Plot



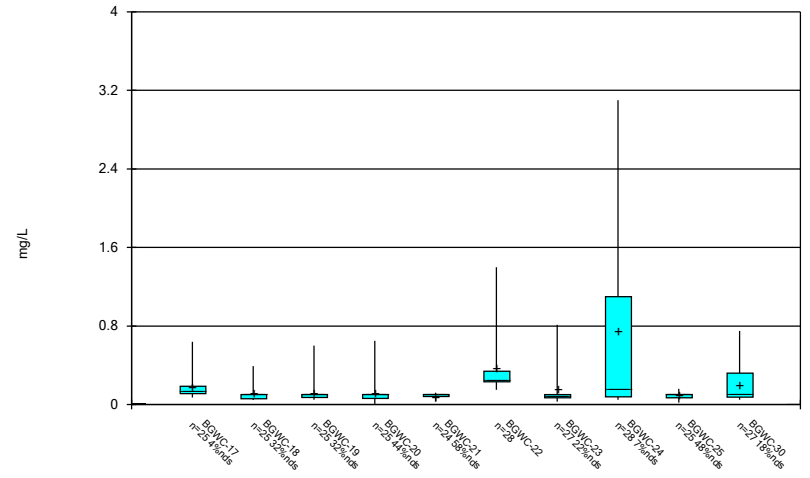
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Box & Whiskers Plot



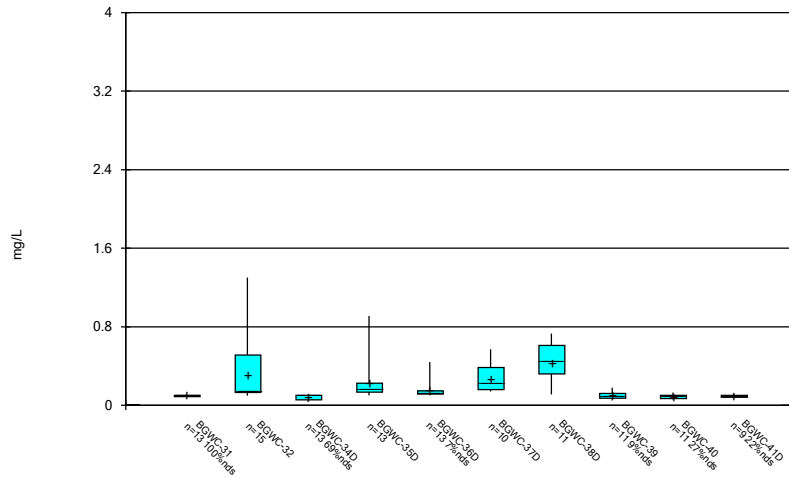
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



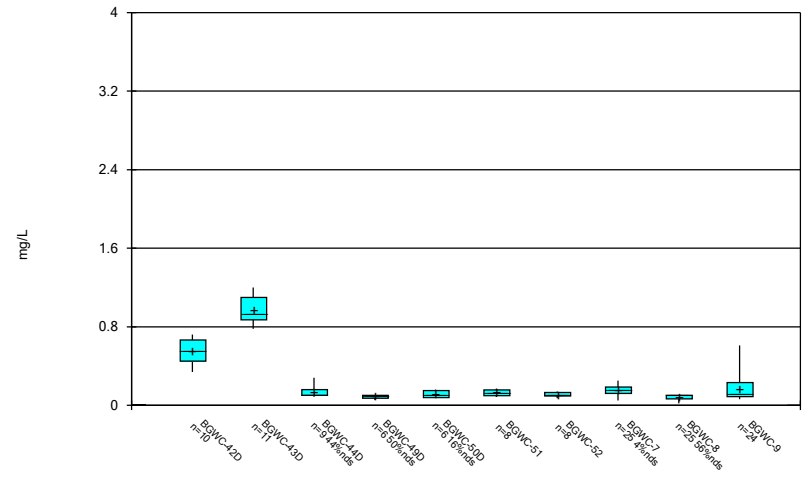
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



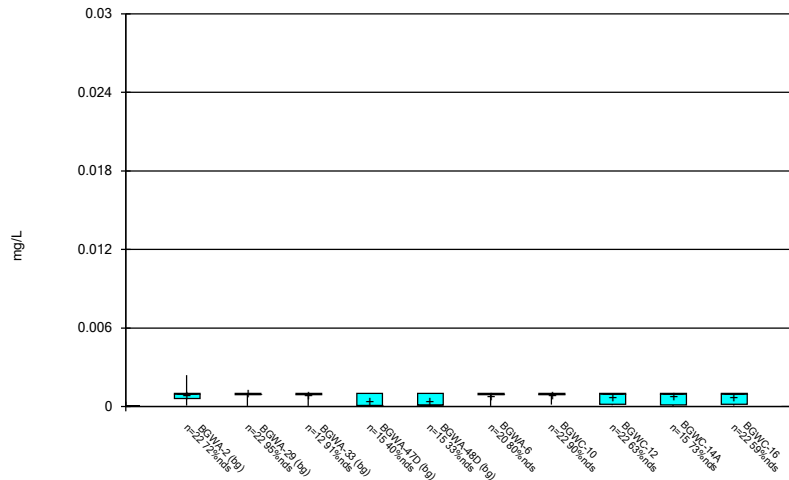
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Box & Whiskers Plot



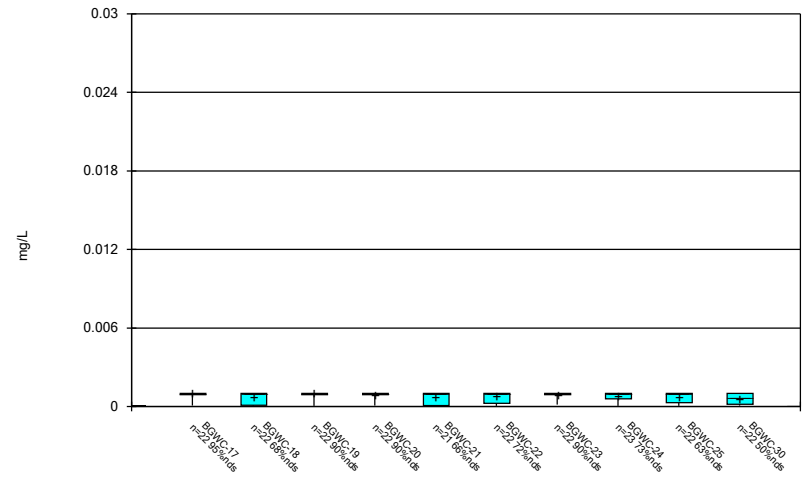
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Box & Whiskers Plot



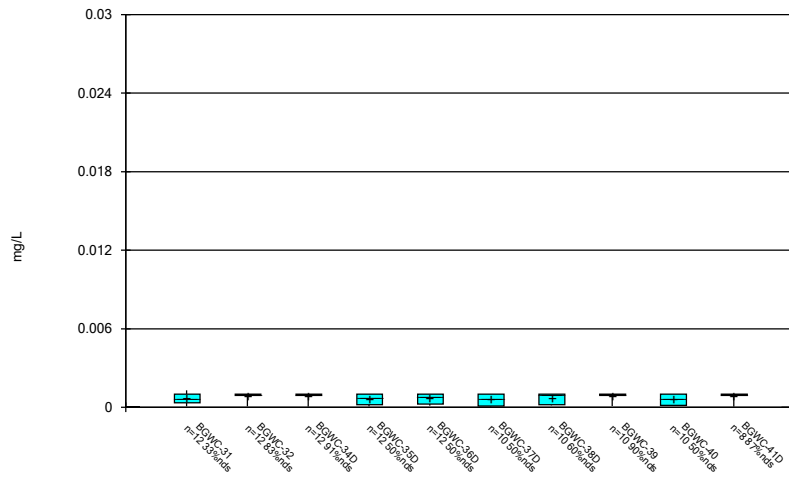
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



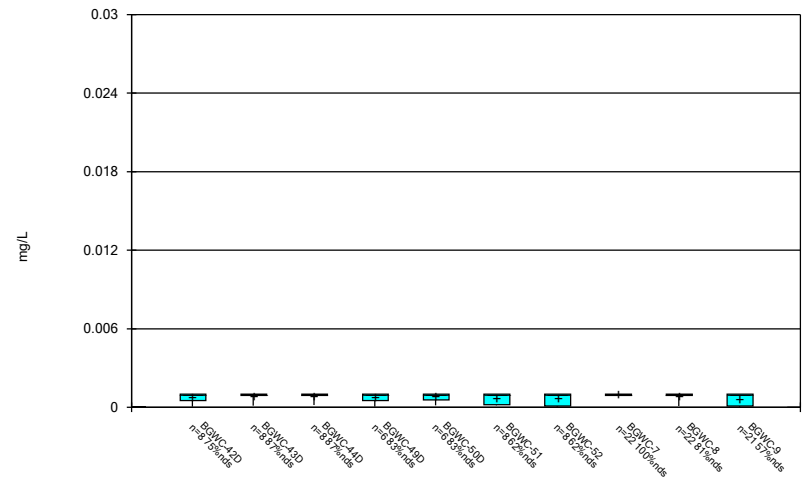
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Box & Whiskers Plot



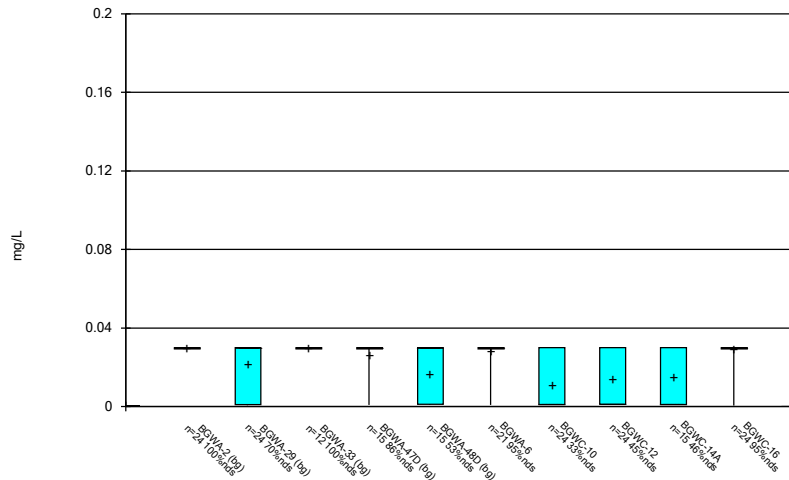
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Box & Whiskers Plot



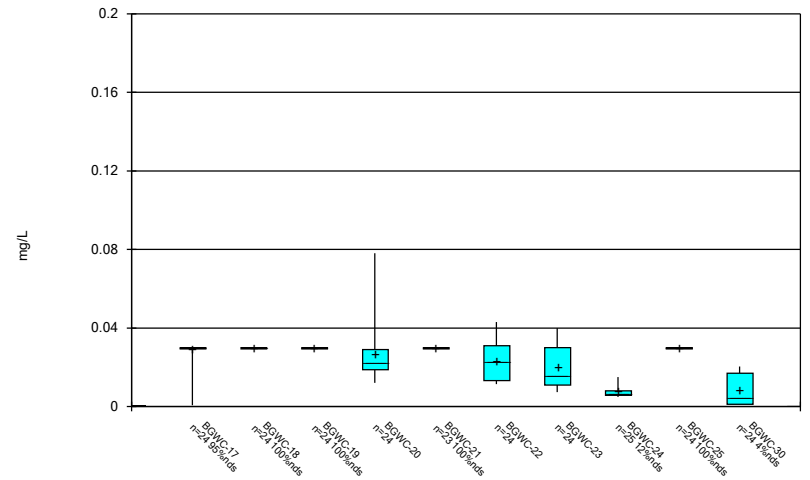
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Box & Whiskers Plot



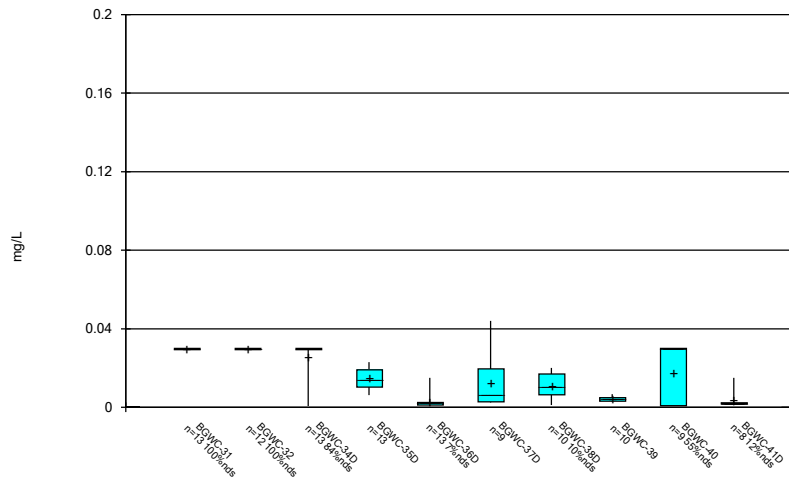
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



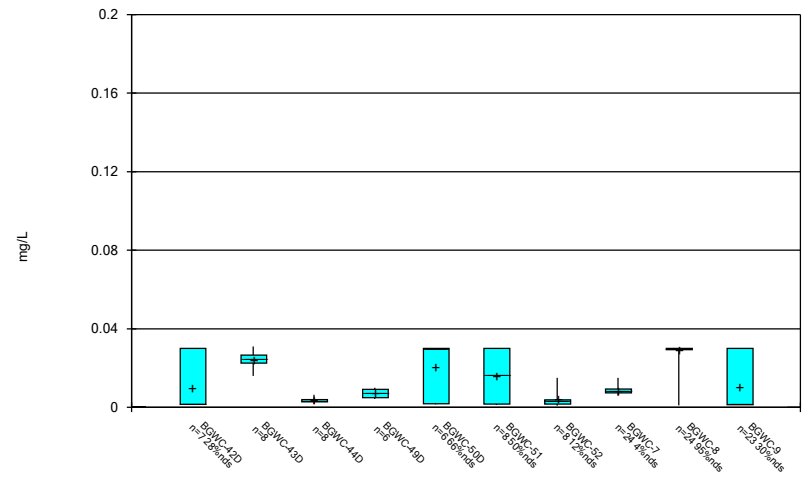
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Box & Whiskers Plot



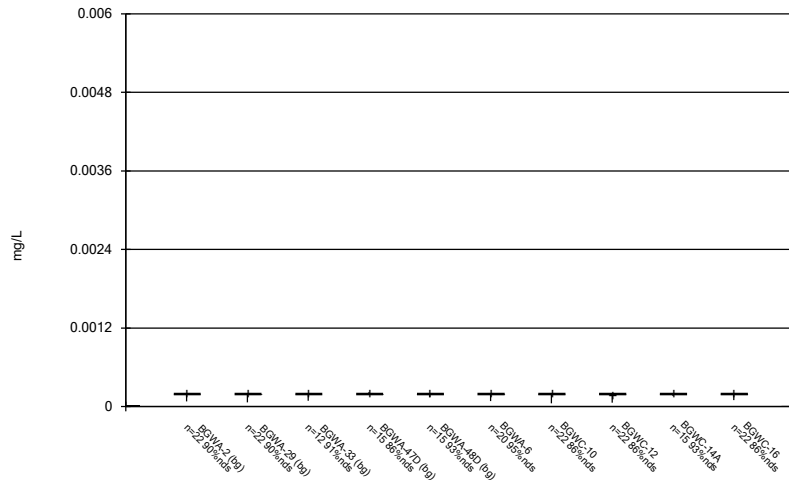
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Box & Whiskers Plot



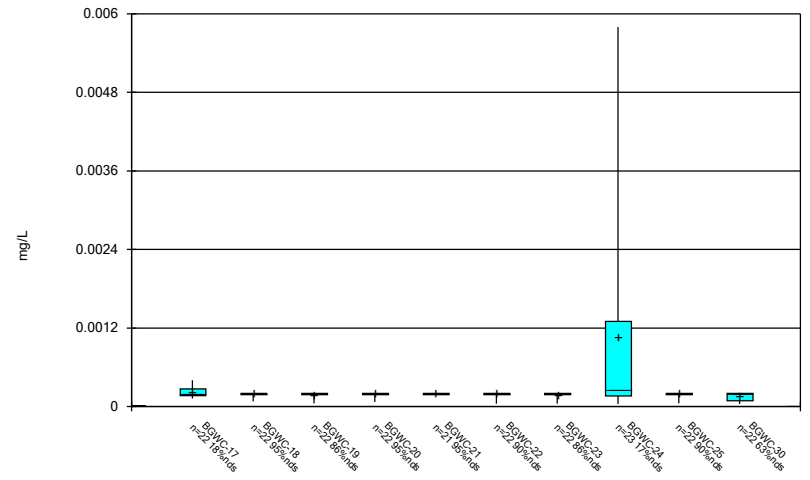
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



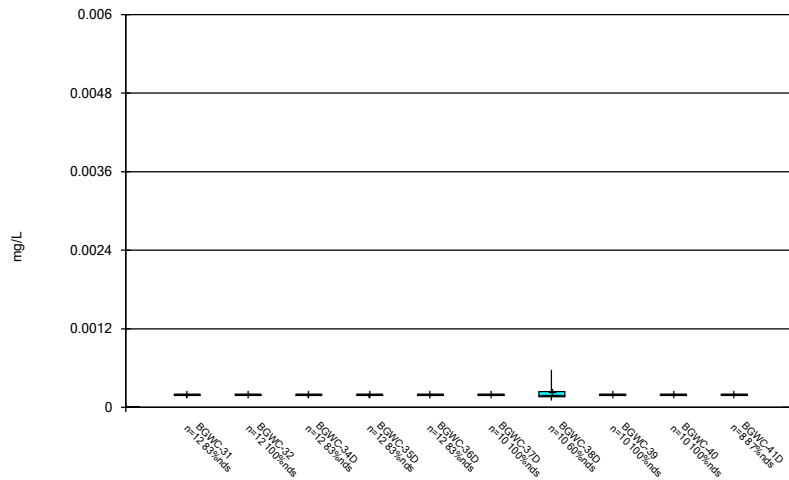
Constituent: Mercury Analysis Run 11/21/2023 4:29 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



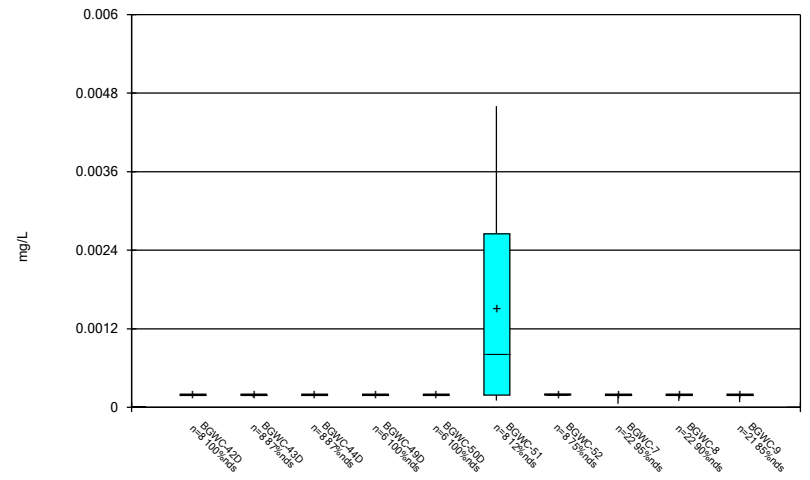
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



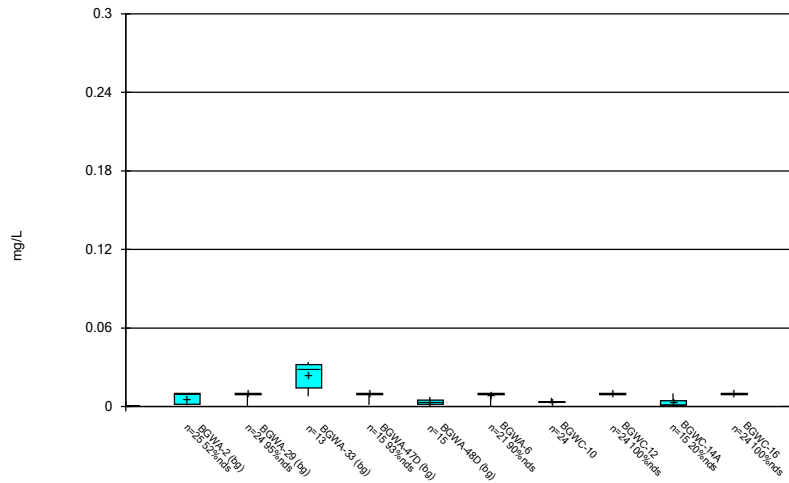
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



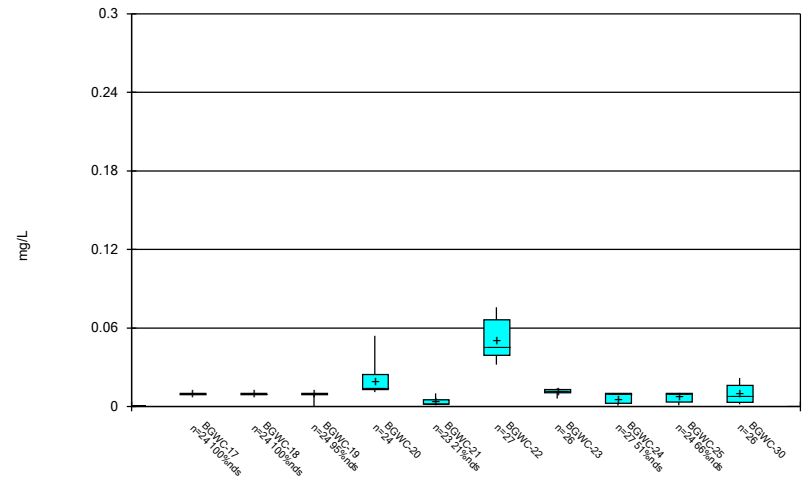
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



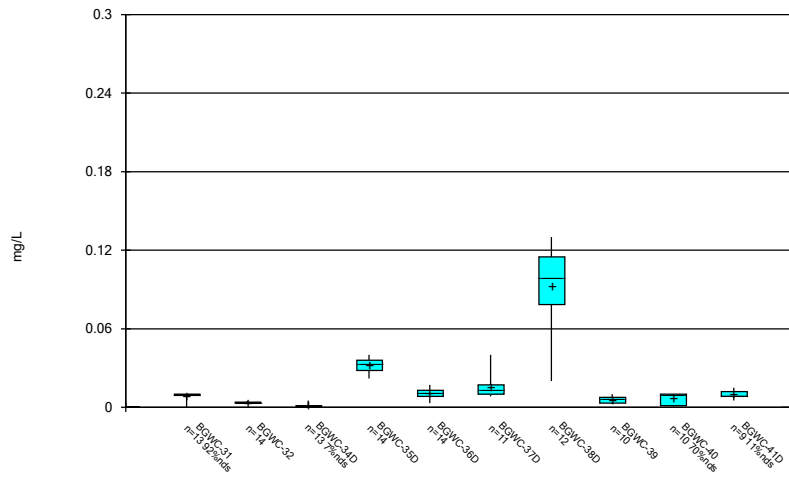
Constituent: Molybdenum Analysis Run 11/21/2023 4:29 PM View: Time Series & Box Plot
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



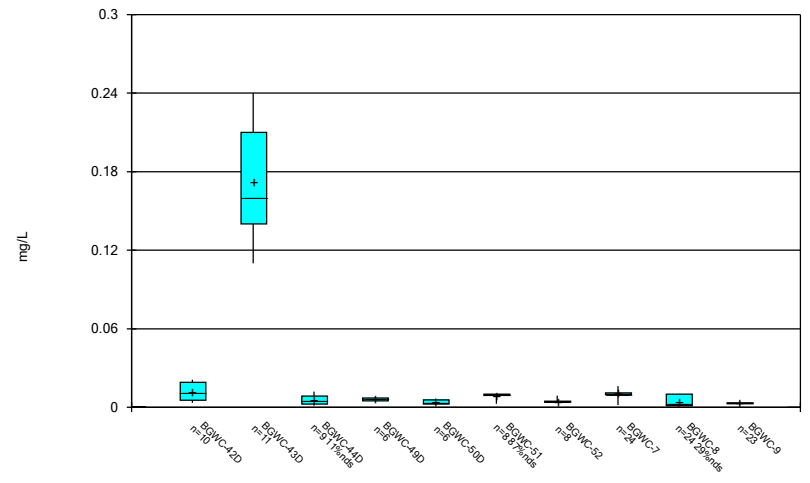
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



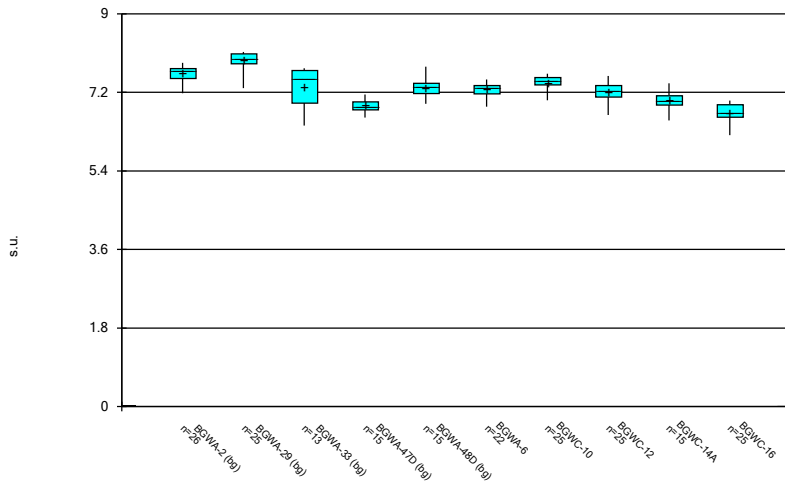
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



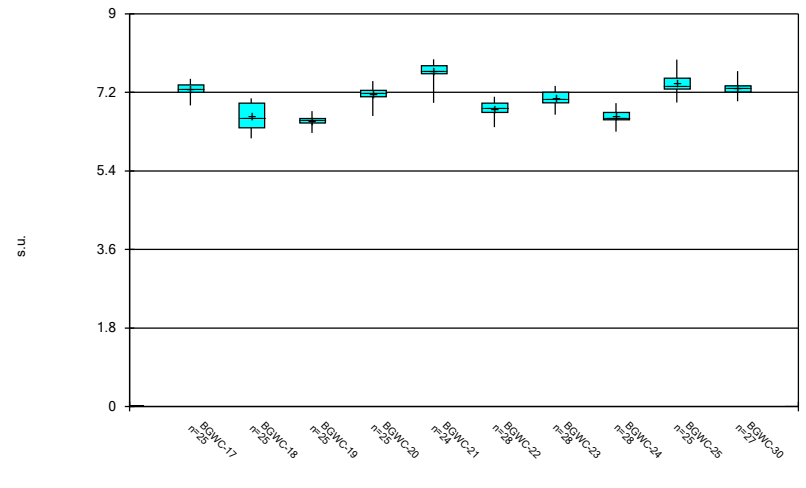
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



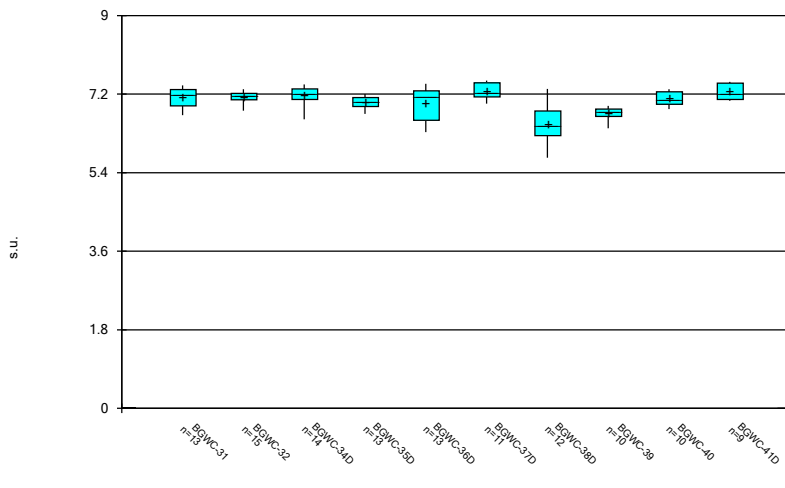
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



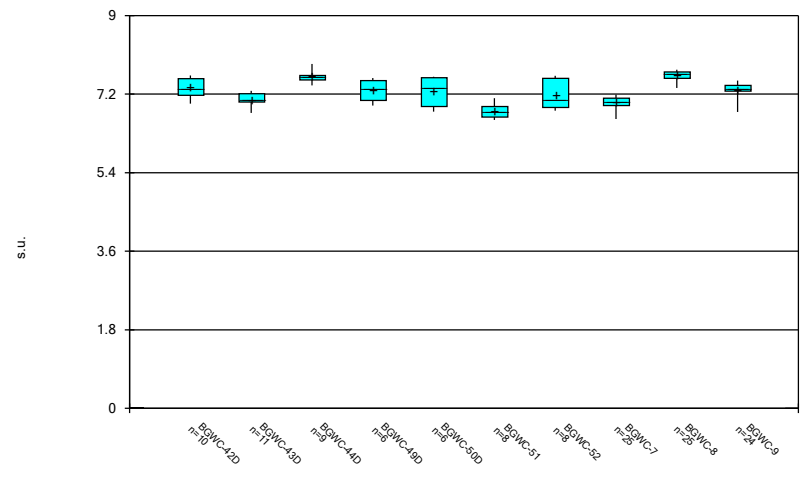
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



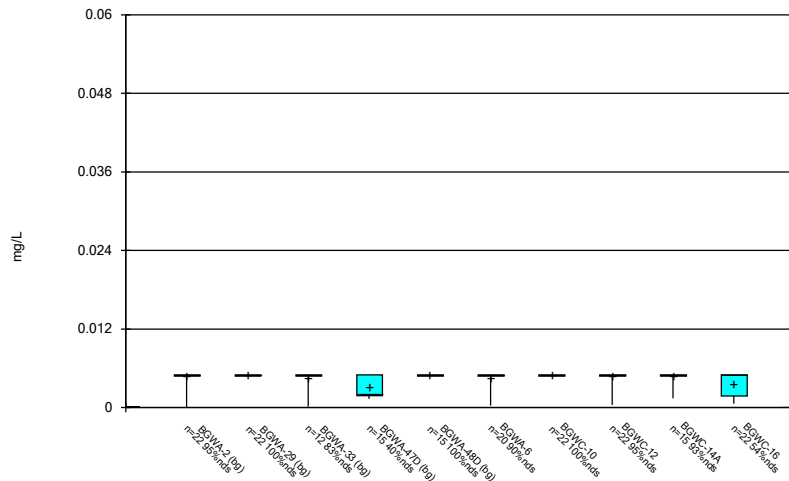
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



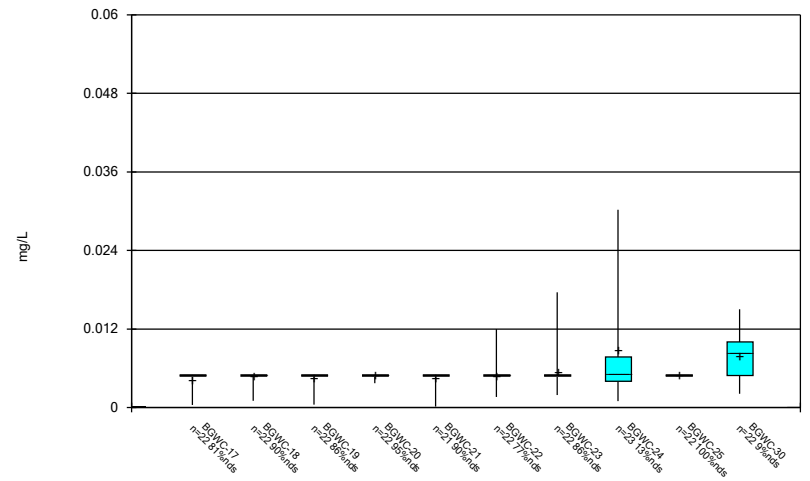
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



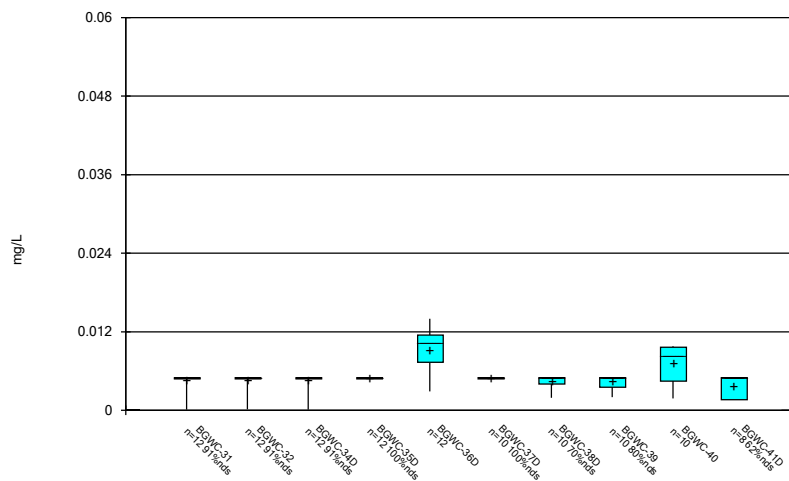
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



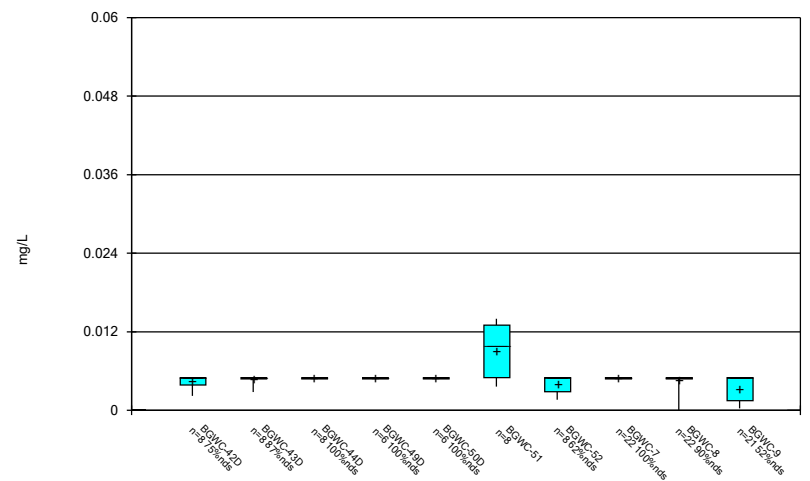
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



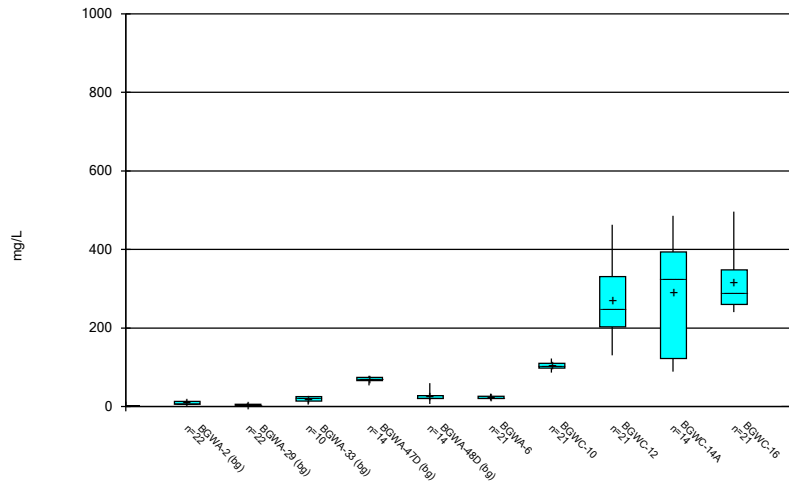
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



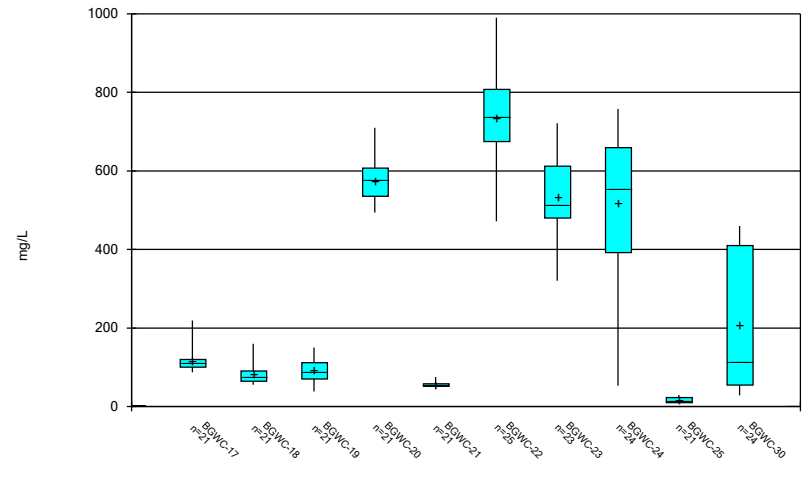
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Box & Whiskers Plot



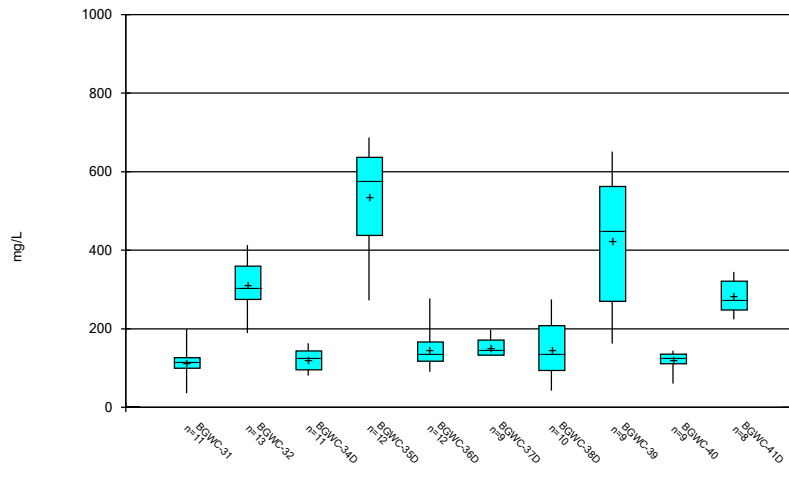
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Box & Whiskers Plot



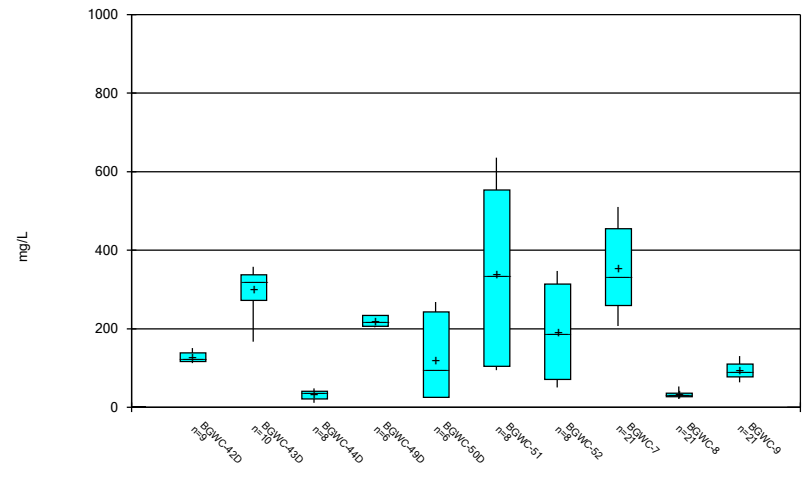
Constituent: Sulfate Analysis Run 11/21/2023 4:29 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



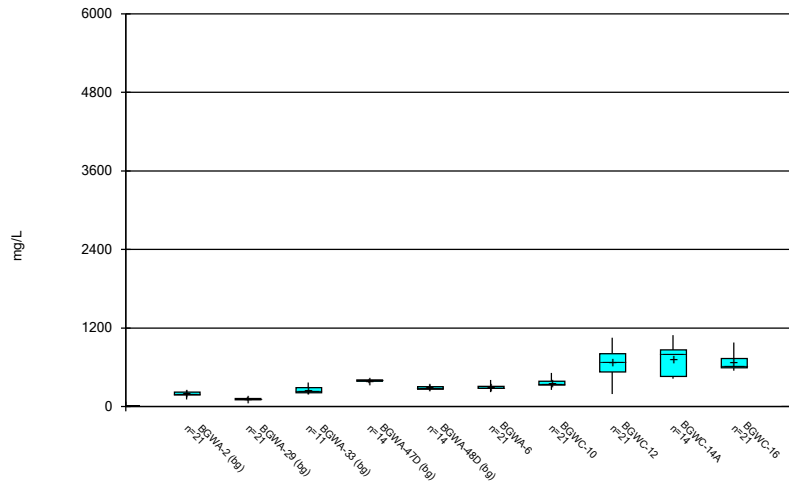
Constituent: Sulfate Analysis Run 11/21/2023 4:29 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



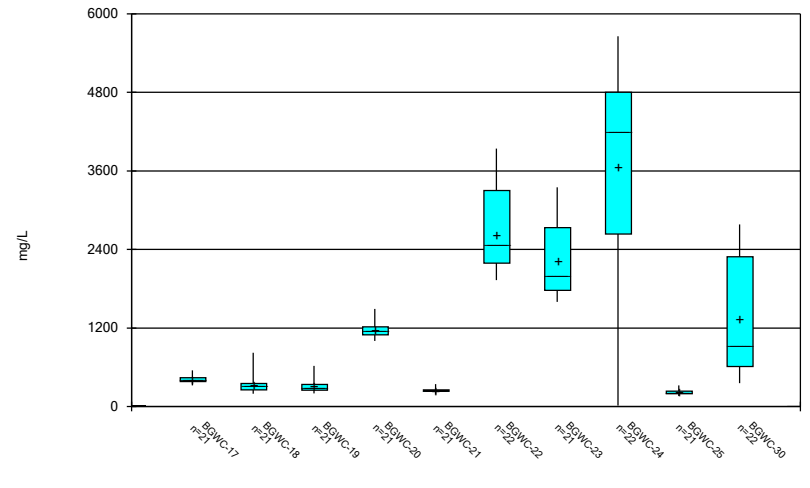
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



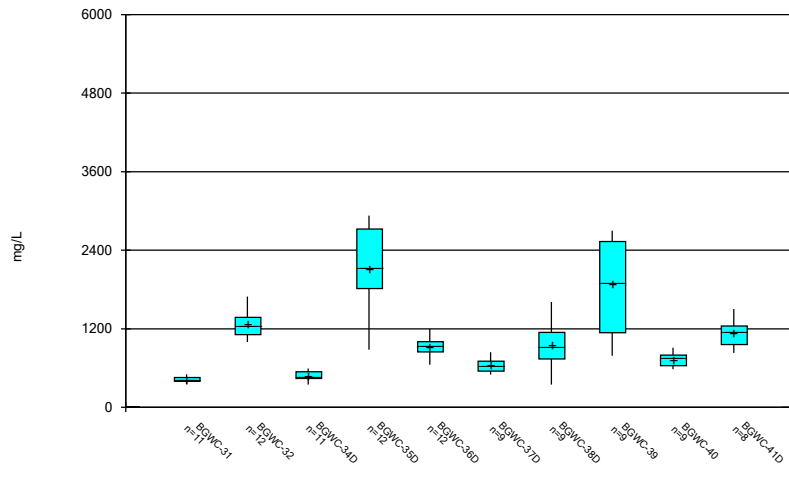
Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:29 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



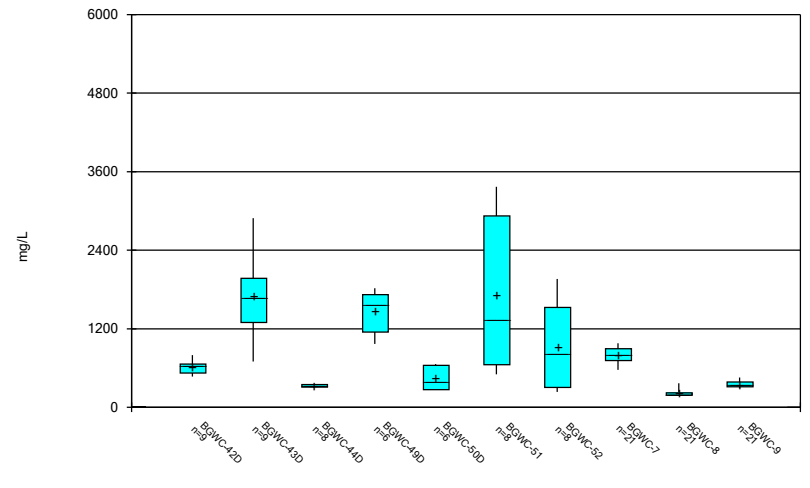
Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:29 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:29 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:29 PM View: Time Series & Box Plot
Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE C.

FIGURE D.

Appendix III Interwell Prediction Limit - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:32 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.043	n/a	8/17/2023	0.57	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.043	n/a	8/16/2023	1.4	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.043	n/a	8/16/2023	1.7	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.043	n/a	8/17/2023	1.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.043	n/a	8/17/2023	1.3	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.043	n/a	8/17/2023	0.64	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.043	n/a	8/18/2023	0.39	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.043	n/a	8/18/2023	4.8	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.043	n/a	8/22/2023	19.6	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.043	n/a	8/23/2023	8.7	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.043	n/a	8/25/2023	16.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-25	0.043	n/a	8/17/2023	0.075	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.043	n/a	8/21/2023	2.3	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-51	0.043	n/a	8/21/2023	3.1	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-52	0.043	n/a	8/22/2023	1.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-7	0.043	n/a	8/17/2023	1	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.043	n/a	8/17/2023	0.56	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	8/16/2023	178	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	8/16/2023	196	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	8/17/2023	187	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	8/18/2023	309	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	8/22/2023	793	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	8/23/2023	332	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	8/25/2023	486	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-51	117	n/a	8/21/2023	123	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	8/17/2023	125	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	8.832	n/a	8/17/2023	29.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-12	8.832	n/a	8/16/2023	13.7	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-14A	8.832	n/a	8/16/2023	18.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-16	8.832	n/a	8/17/2023	18.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-17	8.832	n/a	8/17/2023	39.5	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-18	8.832	n/a	8/17/2023	12.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-20	8.832	n/a	8/18/2023	145	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-22	8.832	n/a	8/22/2023	1020	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-23	8.832	n/a	8/23/2023	439	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-24	8.832	n/a	8/25/2023	641	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-25	8.832	n/a	8/17/2023	11.4	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-30	8.832	n/a	8/21/2023	97.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-51	8.832	n/a	8/21/2023	108	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-52	8.832	n/a	8/22/2023	64.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-9	8.832	n/a	8/17/2023	10.7	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
pH (s.u.)	BGWC-14A	8.346	6.576	8/16/2023	6.56	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-16	8.346	6.576	8/17/2023	6.22	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-18	8.346	6.576	8/17/2023	6.23	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-19	8.346	6.576	8/18/2023	6.43	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-22	8.346	6.576	8/22/2023	6.4	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-24	8.346	6.576	8/25/2023	6.36	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
Sulfate (mg/L)	BGWC-10	78	n/a	8/17/2023	95	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	8/16/2023	398	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	8/16/2023	486	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	8/17/2023	453	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	8/17/2023	116	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	8/18/2023	612	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	8/22/2023	748	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	8/23/2023	320	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	8/25/2023	337	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-51	78	n/a	8/21/2023	95	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-52	78	n/a	8/22/2023	92.8	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	8/17/2023	207	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	8/17/2023	87.3	Yes	82	n/a	n/a	0	n/a	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-12	415	n/a	8/16/2023	1050	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-14A	415	n/a	8/16/2023	1090	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-16	415	n/a	8/17/2023	977	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-17	415	n/a	8/17/2023	438	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-20	415	n/a	8/18/2023	1490	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-22	415	n/a	8/22/2023	3940	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-23	415	n/a	8/23/2023	1620	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-24	415	n/a	8/25/2023	2120	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limit - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:32 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/L)	BGWC-30	415	n/a	8/21/2023	611	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-51	415	n/a	8/21/2023	704	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-52	415	n/a	8/22/2023	468	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-7	415	n/a	8/17/2023	702	Yes	81	n/a	n/a	0	n/a	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limit - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:32 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.043	n/a	8/17/2023	0.57	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-12	0.043	n/a	8/16/2023	1.4	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-14A	0.043	n/a	8/16/2023	1.7	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-16	0.043	n/a	8/17/2023	1.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-17	0.043	n/a	8/17/2023	1.3	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-18	0.043	n/a	8/17/2023	0.64	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-19	0.043	n/a	8/18/2023	0.39	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-20	0.043	n/a	8/18/2023	4.8	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-21	0.043	n/a	8/23/2023	0.026J	No	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-22	0.043	n/a	8/22/2023	19.6	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-23	0.043	n/a	8/23/2023	8.7	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-24	0.043	n/a	8/25/2023	16.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-25	0.043	n/a	8/17/2023	0.075	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-30	0.043	n/a	8/21/2023	2.3	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-51	0.043	n/a	8/21/2023	3.1	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-52	0.043	n/a	8/22/2023	1.9	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-7	0.043	n/a	8/17/2023	1	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-8	0.043	n/a	8/16/2023	0.034J	No	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Boron (mg/L)	BGWC-9	0.043	n/a	8/17/2023	0.56	Yes	83	n/a	n/a	19.28	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-10	117	n/a	8/17/2023	62.2	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	8/16/2023	178	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	8/16/2023	196	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	8/17/2023	187	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-17	117	n/a	8/17/2023	75.4	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-18	117	n/a	8/17/2023	57	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-19	117	n/a	8/18/2023	56.5	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	8/18/2023	309	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-21	117	n/a	8/23/2023	43.9	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	8/22/2023	793	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	8/23/2023	332	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	8/25/2023	486	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-25	117	n/a	8/17/2023	48.1	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-30	117	n/a	8/21/2023	98.8	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-51	117	n/a	8/21/2023	123	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-52	117	n/a	8/22/2023	85.7	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	8/17/2023	125	Yes	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-8	117	n/a	8/16/2023	38.8	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-9	117	n/a	8/17/2023	66.9	No	83	n/a	n/a	0	n/a	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	8.832	n/a	8/17/2023	29.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-12	8.832	n/a	8/16/2023	13.7	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-14A	8.832	n/a	8/16/2023	18.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-16	8.832	n/a	8/17/2023	18.2	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-17	8.832	n/a	8/17/2023	39.5	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-18	8.832	n/a	8/17/2023	12.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-19	8.832	n/a	8/18/2023	5.9	No	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-20	8.832	n/a	8/18/2023	145	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-21	8.832	n/a	8/23/2023	5	No	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-22	8.832	n/a	8/22/2023	1020	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-23	8.832	n/a	8/23/2023	439	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-24	8.832	n/a	8/25/2023	641	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-25	8.832	n/a	8/17/2023	11.4	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-30	8.832	n/a	8/21/2023	97.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-51	8.832	n/a	8/21/2023	108	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-52	8.832	n/a	8/22/2023	64.6	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-7	8.832	n/a	8/17/2023	8	No	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-8	8.832	n/a	8/16/2023	1.7	No	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Chloride (mg/L)	BGWC-9	8.832	n/a	8/17/2023	10.7	Yes	82	1.851	0.5251	0	None	sqrt(x)	0.000396	Param Inter 1 of 2	
Fluoride (mg/L)	BGWC-10	0.57	n/a	8/17/2023	0.05J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-12	0.57	n/a	8/16/2023	0.089J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-14A	0.57	n/a	8/16/2023	0.076J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-16	0.57	n/a	8/17/2023	0.074J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-17	0.57	n/a	8/17/2023	0.12	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-18	0.57	n/a	8/17/2023	0.056J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-19	0.57	n/a	8/18/2023	0.077J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-20	0.57	n/a	8/18/2023	0.068J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-21	0.57	n/a	8/23/2023	0.1ND	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-22	0.57	n/a	8/22/2023	0.23	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-23	0.57	n/a	8/23/2023	0.1ND	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2

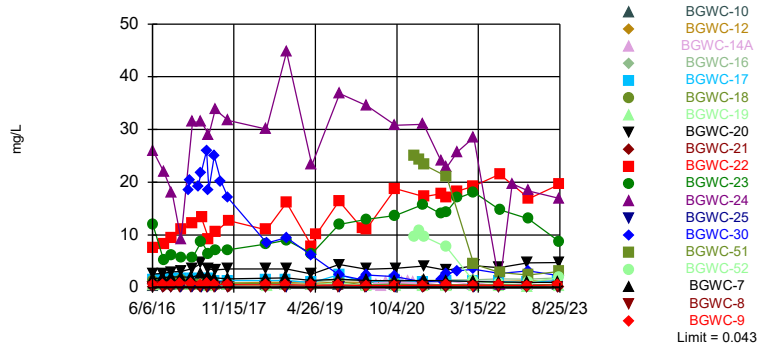
Appendix III Interwell Prediction Limit - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:32 PM

Constituent	Well	Upper Lim	Lower Lim	Date	Observ.	Sig.	Bg	NBg	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	BGWC-24	0.57	n/a	8/25/2023	0.15	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-25	0.57	n/a	8/17/2023	0.1ND	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-30	0.57	n/a	8/21/2023	0.065J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-51	0.57	n/a	8/21/2023	0.14	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-52	0.57	n/a	8/22/2023	0.098J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-7	0.57	n/a	8/17/2023	0.14	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-8	0.57	n/a	8/16/2023	0.064J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-9	0.57	n/a	8/17/2023	0.091J	No	93	n/a	n/a	45.16	n/a	n/a	n/a	0.0002211	NP Inter (normality) 1 of 2
pH (s.u.)	BGWC-10	8.346	6.576	8/17/2023	7.18	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-12	8.346	6.576	8/16/2023	6.7	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-14A	8.346	6.576	8/16/2023	6.56	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-16	8.346	6.576	8/17/2023	6.22	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-17	8.346	6.576	8/17/2023	6.9	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-18	8.346	6.576	8/17/2023	6.23	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-19	8.346	6.576	8/18/2023	6.43	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-20	8.346	6.576	8/18/2023	6.84	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-21	8.346	6.576	8/23/2023	6.96	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-22	8.346	6.576	8/22/2023	6.4	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-23	8.346	6.576	8/23/2023	6.69	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-24	8.346	6.576	8/25/2023	6.36	Yes	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-25	8.346	6.576	8/17/2023	6.97	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-30	8.346	6.576	8/21/2023	7	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-51	8.346	6.576	8/21/2023	6.79	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-52	8.346	6.576	8/22/2023	7.13	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-7	8.346	6.576	8/17/2023	6.79	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-8	8.346	6.576	8/16/2023	7.36	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
pH (s.u.)	BGWC-9	8.346	6.576	8/17/2023	6.79	No	94	56.45	6.222	0	None	x^2	0.000198	Param Inter 1 of 2	
Sulfate (mg/L)	BGWC-10	78	n/a	8/17/2023	95	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-12	78	n/a	8/16/2023	398	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-14A	78	n/a	8/16/2023	486	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-16	78	n/a	8/17/2023	453	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-17	78	n/a	8/17/2023	116	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-18	78	n/a	8/17/2023	60.8	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-19	78	n/a	8/18/2023	66	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-20	78	n/a	8/18/2023	612	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-21	78	n/a	8/23/2023	46.4	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-22	78	n/a	8/22/2023	748	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-23	78	n/a	8/23/2023	320	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-24	78	n/a	8/25/2023	337	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-25	78	n/a	8/17/2023	20.2	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-30	78	n/a	8/21/2023	54	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-51	78	n/a	8/21/2023	95	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-52	78	n/a	8/22/2023	92.8	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-7	78	n/a	8/17/2023	207	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-8	78	n/a	8/16/2023	21	No	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Sulfate (mg/L)	BGWC-9	78	n/a	8/17/2023	87.3	Yes	82	n/a	n/a	0	n/a	n/a	0.0002816	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-10	415	n/a	8/17/2023	398	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-12	415	n/a	8/16/2023	1050	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-14A	415	n/a	8/16/2023	1090	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-16	415	n/a	8/17/2023	977	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-17	415	n/a	8/17/2023	438	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-18	415	n/a	8/17/2023	303	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-19	415	n/a	8/18/2023	318	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-20	415	n/a	8/18/2023	1490	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-21	415	n/a	8/23/2023	268	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-22	415	n/a	8/22/2023	3940	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-23	415	n/a	8/23/2023	1620	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-24	415	n/a	8/25/2023	2120	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-25	415	n/a	8/17/2023	250	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-30	415	n/a	8/21/2023	611	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-51	415	n/a	8/21/2023	704	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-52	415	n/a	8/22/2023	468	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-7	415	n/a	8/17/2023	702	Yes	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-8	415	n/a	8/16/2023	189	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	
Total Dissolved Solids (mg/L)	BGWC-9	415	n/a	8/17/2023	393	No	81	n/a	n/a	0	n/a	n/a	0.0002875	NP Inter (normality) 1 of 2	

Exceeds Limit: BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20, BGWC-22, BGWC-23...

Prediction Limit
Interwell Non-parametric

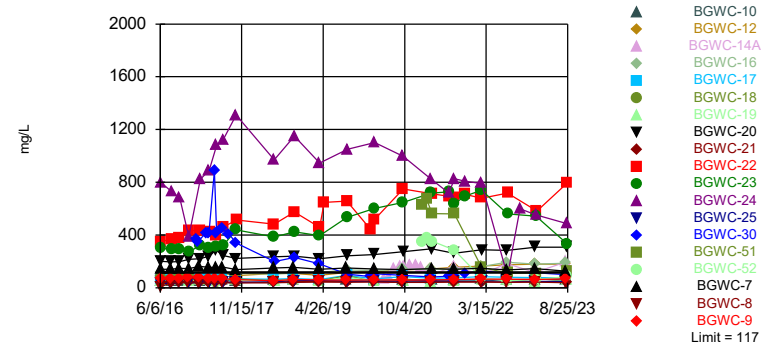


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 83 background values. 19.28% NDs. Annual per-constituent alpha = 0.01042. Individual comparison alpha = 0.0002756 (1 of 2). Comparing 19 points to limit.

Constituent: Boron Analysis Run 11/21/2023 4:31 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-51, BGWC-7

Prediction Limit
Interwell Non-parametric

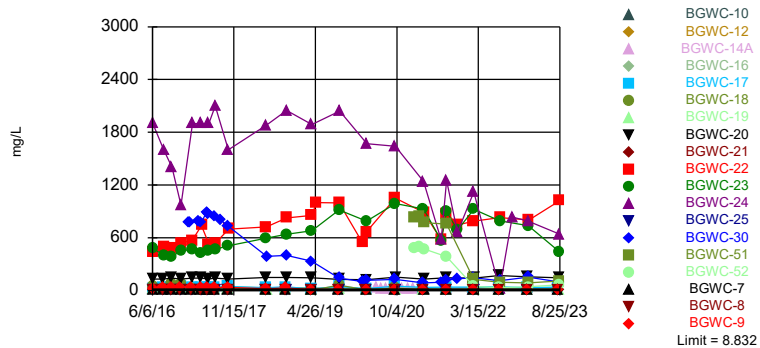


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 83 background values. Annual per-constituent alpha = 0.01042. Individual comparison alpha = 0.0002756 (1 of 2). Comparing 19 points to limit.

Constituent: Calcium Analysis Run 11/21/2023 4:31 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-20, BGWC-22, BGWC-23, BGWC-24...

Prediction Limit
Interwell Parametric



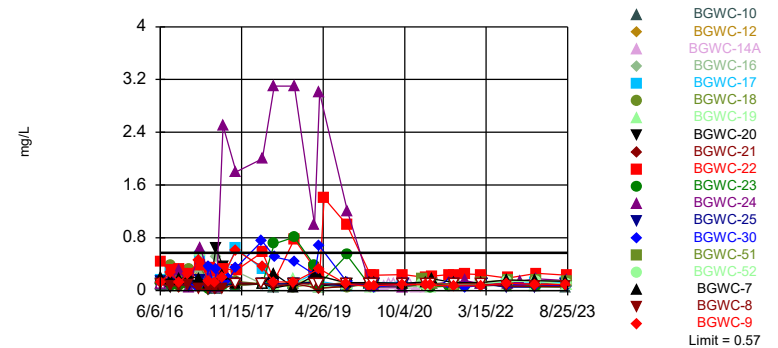
Background Data Summary (based on square root transformation): Mean=1.851, Std. Dev.=0.5251, n=82. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9736, critical = 0.959. Kappa = 2.134 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 19 points to limit.

Constituent: Chloride Analysis Run 11/21/2023 4:31 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Interwell Non-parametric

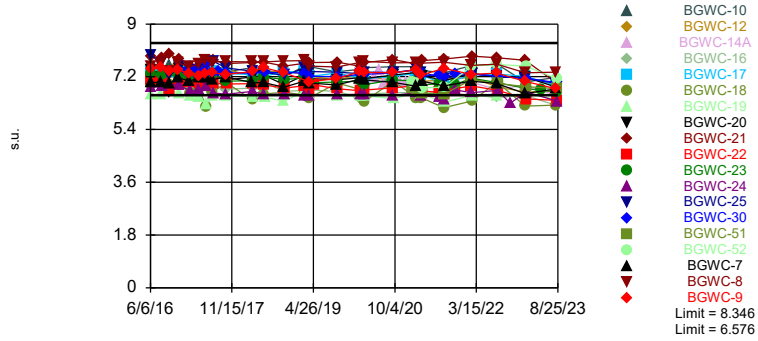


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 93 background values. 45.16% NDs. Annual per-constituent alpha = 0.008367. Individual comparison alpha = 0.0002211 (1 of 2). Comparing 19 points to limit.

Constituent: Fluoride Analysis Run 11/21/2023 4:31 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limits: BGWC-14A, BGWC-16, BGWC-18, BGWC-19, BGWC-22, BGWC-24

Prediction Limit
Interwell Parametric

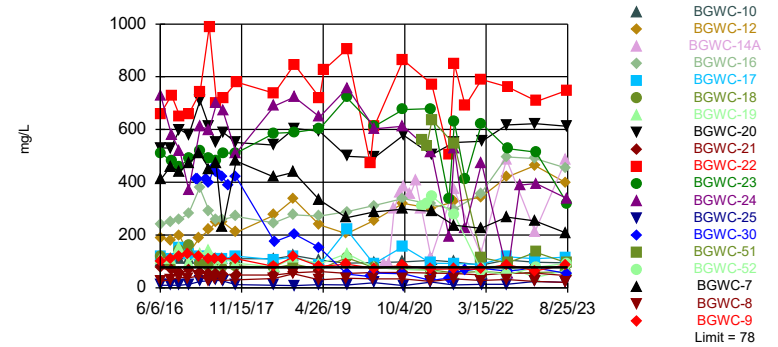


Background Data Summary (based on square transformation): Mean=56.45, Std. Dev.=6.222, n=94. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.968, critical = 0.964. Kappa = 2.123 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000198. Comparing 19 points to limit.

Constituent: pH Analysis Run 11/21/2023 4:31 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-51...

Prediction Limit
Interwell Non-parametric

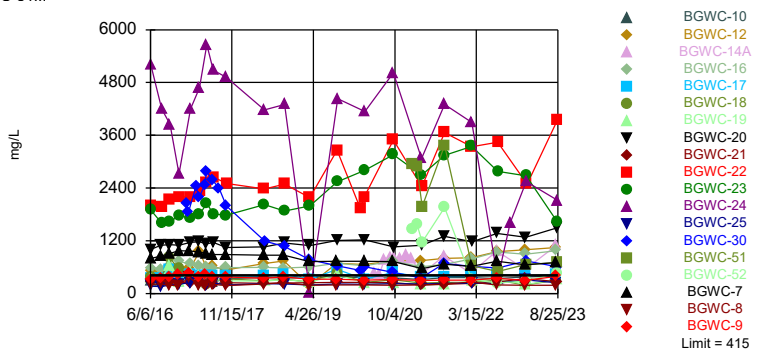


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 82 background values. Annual per-constituent alpha = 0.01064. Individual comparison alpha = 0.0002816 (1 of 2). Comparing 19 points to limit.

Constituent: Sulfate Analysis Run 11/21/2023 4:31 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30, BGWC-51...

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 81 background values. Annual per-constituent alpha = 0.01087. Individual comparison alpha = 0.0002875 (1 of 2). Comparing 19 points to limit.

Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:31 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:32 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-12	BGWC-10	BGWC-16	BGWC-8	BGWC-18	BGWC-19
6/6/2016	<0.04	0.55							
6/7/2016			1.5	1.1	0.37	1.7	0.02		
6/8/2016								1.2	0.49
6/9/2016									
8/9/2016	0.0336 (J)								
8/10/2016							0.117		
8/11/2016		0.612	1.41			1.37			
8/12/2016				0.867				0.895	0.647
8/15/2016									
8/16/2016					0.525				
8/18/2016									
8/22/2016									
10/3/2016	0.0226 (J)								
10/4/2016							0.177		
10/5/2016		0.659							
10/6/2016				0.863					
10/7/2016			1.76		0.492	1.49		1.33	0.868
10/10/2016									
11/29/2016	0.0085 (J)								
12/1/2016									
12/2/2016							0.0668		
12/5/2016		0.71		0.879					
12/6/2016			1.79		0.515	1.65		1.5	
12/7/2016									0.51
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	<0.04								
2/14/2017							0.122		
2/15/2017		0.707		0.886					
2/16/2017			1.63		0.482	1.73		0.753	0.68
2/17/2017									
2/20/2017									
3/27/2017									
4/13/2017	0.0084 (J)								
4/14/2017							0.054		
4/17/2017		0.675							
4/18/2017				0.941	0.515	1.77			
4/19/2017			1.47					0.762	0.701
4/20/2017									
5/22/2017									
5/25/2017	0.01 (J)								
5/26/2017		0.711					0.0817		
5/30/2017			1.7			1.52			
6/1/2017								0.663	0.383
6/2/2017				1.02	0.513				
6/5/2017									
7/7/2017	0.009 (J)								
7/10/2017							0.0534		
7/11/2017		0.633							
7/12/2017					0.508				

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:32 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-12	BGWC-10	BGWC-16	BGWC-8	BGWC-18	BGWC-19
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021									
3/24/2021		0.45	1.1	1.2		1.3	0.04 (J)	0.5	
3/25/2021									
3/26/2021	0.0094 (J)								0.24
3/29/2021									
3/30/2021					0.56				
4/1/2021									
7/19/2021									
7/20/2021									
8/16/2021	0.013 (J)								
8/18/2021		0.47		1.2	0.51	1.5	0.093		
8/19/2021			1.3					0.57	
8/20/2021									0.29
8/23/2021									
8/25/2021									
11/1/2021									
2/9/2022	0.0099 (J)								
2/10/2022		0.46					0.051		
2/11/2022			1.2	1.2	0.5	1.5			
2/14/2022									
2/15/2022									
2/16/2022								0.56	0.35
7/26/2022	0.014 (J)	0.47					0.052		
7/27/2022			1.2	1.2		1.7		0.53	0.43
7/28/2022					0.52				
8/1/2022									
8/2/2022									
8/3/2022									
10/21/2022									
1/24/2023	0.01 (J)								
1/26/2023		0.41	1	1.3		1.6	0.051	0.45	
1/27/2023					0.53				0.18
1/30/2023									
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023				1.4			0.034 (J)		
8/17/2023		0.56	1.3		0.57	1.9		0.64	
8/18/2023									0.39
8/21/2023	<0.04								
8/22/2023									
8/23/2023									
8/25/2023									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	2.6	0.12	7.6	0.029 (J)	1.7				
6/9/2016						26	12		
8/9/2016									
8/10/2016									
8/11/2016					1.95				
8/12/2016	2.74								
8/15/2016				0.0228 (J)					
8/16/2016									
8/18/2016		0.191	8.37			22	5.2		
8/22/2016								0.0132 (J)	
10/3/2016									
10/4/2016								0.0065 (J)	
10/5/2016									
10/6/2016					2.06				
10/7/2016									
10/10/2016	3	0.13	9.46	0.0305 (J)		18.1	6.13		
11/29/2016									
12/1/2016								<0.04	
12/2/2016									
12/5/2016									
12/6/2016					2.05				
12/7/2016	3.08					9.19	5.7		
12/8/2016		0.144	11.1	0.0164 (J)					
1/10/2017								<0.04	
1/23/2017									18.6
2/7/2017									20.4
2/13/2017									
2/14/2017								<0.04	
2/15/2017					2.01				
2/16/2017									
2/17/2017	3.63	0.0685	12.2						
2/20/2017				0.0154 (J)		31.4	5.7		
3/27/2017									19.1
4/13/2017									
4/14/2017								<0.04	
4/17/2017									21.8
4/18/2017					2.58				
4/19/2017	4.68	0.0743				31.4	8.79		
4/20/2017			13.3	0.0283 (J)					
5/22/2017									26
5/25/2017								<0.04	
5/26/2017									
5/30/2017									
6/1/2017	3.57	0.0499		0.0467					
6/2/2017					2.22				
6/5/2017			9.19			29	6.39		18.6
7/7/2017									
7/10/2017								<0.04	
7/11/2017									25
7/12/2017									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017					1.85				
7/17/2017				0.0171 (J)		33.8	7.06		
7/18/2017	3.37	0.0544							
7/19/2017			10.6						
8/23/2017									20.2
10/9/2017									
10/10/2017								<0.04	17
10/11/2017	3.54			0.0141 (J)	1.72	31.7	7.18		
10/12/2017		0.0494	12.7						
6/12/2018								0.0056 (J)	
6/13/2018	3.6				1.8	30.1	8.3		
6/14/2018		0.035 (J)	11	0.017 (J)					
6/15/2018									8.5
10/16/2018								0.0071 (J)	
10/17/2018									
10/18/2018					1.9				
10/19/2018		0.028 (J)							
10/22/2018	3.6		16.1	0.03 (J)		44.7	9		9.5
4/1/2019								0.0048 (J)	
4/2/2019					1.4				6.1 (J)
4/3/2019	2.6	0.12	7.9			23.3	6.5		
4/4/2019				0.02 (J)					
5/2/2019			10.1						
7/9/2019									
9/23/2019								0.0052 (J)	
9/24/2019					1.6				
9/25/2019									
9/26/2019	4.4								
9/27/2019			16.4				12		2.4
9/30/2019		0.04 (J)		0.038 (J)		36.8			
2/19/2020								0.0057 (J)	
2/21/2020									
2/25/2020			11.2						
2/26/2020									1.5
3/18/2020								0.0054 (J)	
3/19/2020					1.4				
3/20/2020		0.03 (J)	11.1						
3/23/2020	3.5						13		2.4
3/24/2020				0.032 (J)					
3/25/2020						34.5			
5/22/2020									
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								<0.04	
9/24/2020		0.037 (J)	18.8				13.7		
9/25/2020					1.3	30.8			2.1
9/28/2020	3.7			0.049 (J)					
10/1/2020									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								<0.04	
3/24/2021									
3/25/2021									1.1
3/26/2021				0.17		31	15.8		
3/29/2021	4.1	0.038 (J)	17.3						
3/30/2021					1.4				
4/1/2021									
7/19/2021			17.8			24	14		
7/20/2021									1.4
8/16/2021								<0.04	
8/18/2021									
8/19/2021				0.038 (J)	1.3				2.6
8/20/2021	3.3	0.045							
8/23/2021			17.2			22.8	14.4		
8/25/2021									
11/1/2021			18.3			25.8	17		3.2
2/9/2022									
2/10/2022								0.012 (J)	
2/11/2022					1.2				
2/14/2022							18.1		3.5
2/15/2022			19.3			28.5			
2/16/2022	4.2	0.053		0.048					
7/26/2022								0.013 (J)	
7/27/2022	3.8			0.051					
7/28/2022		0.035 (J)			1.1				
8/1/2022							14.8		2.7
8/2/2022			21.5			0.52			
8/3/2022									
10/21/2022						19.7 (R)			
1/24/2023								<0.04	
1/26/2023					1				
1/27/2023		0.026 (J)		0.029 (J)					
1/30/2023	4.7								
1/31/2023									
2/1/2023						18.4			3.2
2/2/2023							13.1		
2/7/2023			16.9						
8/15/2023									
8/16/2023								<0.04	
8/17/2023				0.075	1				
8/18/2023	4.8								
8/21/2023									2.3
8/22/2023			19.6						
8/23/2023		0.026 (J)					8.7		
8/25/2023						16.9			

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg) BGWC-51 BGWC-52

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017						
7/14/2017						
7/17/2017						
7/18/2017						
7/19/2017						
8/23/2017						
10/9/2017						
10/10/2017						
10/11/2017						
10/12/2017						
6/12/2018						
6/13/2018						
6/14/2018						
6/15/2018						
10/16/2018						
10/17/2018						
10/18/2018						
10/19/2018						
10/22/2018						
4/1/2019						
4/2/2019						
4/3/2019	0.66 (o)					
4/4/2019						
5/2/2019						
7/9/2019	0.027 (J)					
9/23/2019						
9/24/2019						
9/25/2019						
9/26/2019						
9/27/2019	0.033 (J)					
9/30/2019						
2/19/2020						
2/21/2020	0.02 (J)					
2/25/2020						
2/26/2020						
3/18/2020						
3/19/2020						
3/20/2020	0.043 (J)					
3/23/2020						
3/24/2020						
3/25/2020						
5/22/2020		0.024 (J)	0.54			
5/25/2020				0.018 (J)		
6/23/2020		0.019 (J)	0.45	0.015 (J)		
7/28/2020		0.03 (J)	0.97	0.024 (J)		
9/2/2020		0.022 (J)	1.1			
9/3/2020				0.022 (J)		
9/23/2020						
9/24/2020						
9/25/2020	0.02 (J)					
9/28/2020						
10/1/2020		0.025 (J)	1.2	0.027 (J)		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
11/10/2020		0.025 (J)	1.1	0.032 (J)		
12/15/2020		0.031 (J)	1.2	0.034 (J)		
1/20/2021		0.022 (J)	1.1	0.034 (J)		
1/28/2021					24.9	9.7
2/23/2021					24.3	10.7
3/23/2021						
3/24/2021			0.6			
3/25/2021		0.017 (J)		0.026 (J)		
3/26/2021						
3/29/2021						
3/30/2021					23.3	9.7
4/1/2021	0.0069 (J)					
7/19/2021						
7/20/2021						
8/16/2021		0.021 (J)		0.034 (J)		
8/18/2021			1.3			
8/19/2021						
8/20/2021						
8/23/2021					21.1	7.7
8/25/2021	0.0093 (J)					
11/1/2021						
2/9/2022		0.017 (J)	0.57	0.038 (J)		
2/10/2022						
2/11/2022						
2/14/2022					4.5	1.2
2/15/2022						
2/16/2022	0.01 (J)					
7/26/2022		0.022 (J)	1.3	0.017 (J)		
7/27/2022						
7/28/2022						0.87
8/1/2022					2.9	
8/2/2022						
8/3/2022	0.015 (J)					
10/21/2022						
1/24/2023		0.016 (J)		0.014 (J)		
1/26/2023			0.69			
1/27/2023						
1/30/2023						
1/31/2023					2.4	1.1
2/1/2023						
2/2/2023	0.0092 (J)					
2/7/2023						
8/15/2023		0.034 (J)				
8/16/2023			1.7	0.01 (J)		
8/17/2023						
8/18/2023						
8/21/2023					3.1	
8/22/2023						1.9
8/23/2023	<0.04					
8/25/2023						

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-12	BGWC-10	BGWC-16	BGWC-8	BGWC-18	BGWC-19
6/6/2016	39	66							
6/7/2016			65	90	50	120	7.9		
6/8/2016								76	55
6/9/2016									
8/9/2016	32.2								
8/10/2016							36.8		
8/11/2016		65.2	61			111			
8/12/2016				76.6				61.7	61.2
8/15/2016									
8/16/2016					49.2				
8/18/2016									
8/22/2016									
10/3/2016	34.1								
10/4/2016							39.7		
10/5/2016		66.7							
10/6/2016				78.7					
10/7/2016			71		52.6	103		84.7	70.2
10/10/2016									
11/29/2016	29.7								
12/1/2016									
12/2/2016							37.8		
12/5/2016		74.6		80.9					
12/6/2016			68.7		55.4	117		88.1	
12/7/2016									48.6
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	31.2								
2/14/2017							35.2		
2/15/2017		74.6		90.7					
2/16/2017			65.5		53.2	124		53.7	64.7
2/17/2017									
2/20/2017									
3/27/2017									
4/13/2017	30.5								
4/14/2017							37.5		
4/17/2017		65.6							
4/18/2017				94.8	58	120			
4/19/2017			68.9					57.1	69.5
4/20/2017									
5/22/2017									
5/25/2017	33.8								
5/26/2017		70.4					41.7		
5/30/2017			72.6			111			
6/1/2017								44.8	50.8
6/2/2017				108	55.8				
6/5/2017									
7/7/2017	33.1								
7/10/2017							39		
7/11/2017		66.9							
7/12/2017					58.1				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
12/15/2020									
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								22.1	
3/24/2021									
3/25/2021									81.1
3/26/2021				52.8		821	717		
3/29/2021	296	46.6	714						
3/30/2021					145				
4/1/2021									
7/19/2021			693			717	728		
7/20/2021									87.8
8/16/2021								21.5	
8/18/2021									
8/19/2021				51.2	141				109
8/20/2021	262	45.1							
8/23/2021			681			827	638		
8/25/2021									
11/1/2021			708			808	695		108
2/9/2022									
2/10/2022								20.3	
2/11/2022					148				
2/14/2022							740		129
2/15/2022			680			791			
2/16/2022	288	44.1		51.4					
7/26/2022								20	
7/27/2022	284			52.1					
7/28/2022		43.1			136				
8/1/2022							559		111
8/2/2022			717			90			
8/3/2022									
10/21/2022						600 (R)			
1/24/2023								21	
1/26/2023					146				
1/27/2023		46.5		48.8					
1/30/2023	309								
1/31/2023									
2/1/2023						552			113
2/2/2023							543		
2/7/2023			583						
8/15/2023									
8/16/2023								20.9	
8/17/2023				48.1	125				
8/18/2023	309								
8/21/2023									98.8
8/22/2023			793						
8/23/2023		43.9					332		
8/25/2023						486			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg) BGWC-51 BGWC-52

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017						
7/14/2017						
7/17/2017						
7/18/2017						
7/19/2017						
8/23/2017						
10/9/2017						
10/10/2017						
10/11/2017						
10/12/2017						
6/12/2018						
6/13/2018						
6/14/2018						
6/15/2018						
10/16/2018						
10/17/2018						
10/18/2018						
10/19/2018						
10/22/2018						
4/1/2019						
4/2/2019						
4/3/2019	44.9					
4/4/2019						
5/2/2019						
9/23/2019						
9/24/2019						
9/25/2019						
9/26/2019						
9/27/2019	41.2					
9/30/2019						
2/19/2020						
2/21/2020	50.1					
2/25/2020						
2/26/2020						
3/18/2020						
3/19/2020						
3/20/2020	52.2					
3/23/2020						
3/24/2020						
3/25/2020						
5/22/2020		74	73.4			
5/25/2020				36.5		
6/23/2020		99.5	80.1	39.4		
7/28/2020		96.2	140	40.3		
9/2/2020		109	159			
9/3/2020				51.8		
9/23/2020						
9/24/2020						
9/25/2020	51.8					
9/28/2020						
10/1/2020		107	162	61.9		
11/10/2020		117	170	80.3		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
12/15/2020		110	169	70.3		
1/20/2021		111	157	67.5		
1/28/2021					624	350
2/23/2021					674	379
3/23/2021						
3/24/2021			91.9			
3/25/2021		109		68.3		
3/26/2021						
3/29/2021						
3/30/2021					562	353
4/1/2021	49.5					
7/19/2021						
7/20/2021						
8/16/2021		108		61		
8/18/2021			166			
8/19/2021						
8/20/2021						
8/23/2021					561	286
8/25/2021	46.3					
11/1/2021						
2/9/2022		112	97.5	46.3		
2/10/2022						
2/11/2022						
2/14/2022					155	72.8
2/15/2022						
2/16/2022	47.5					
7/26/2022		105	185	34.5		
7/27/2022						
7/28/2022						52.3
8/1/2022					112	
8/2/2022						
8/3/2022	69.4					
10/21/2022						
1/24/2023		109		40.7		
1/26/2023			117			
1/27/2023						
1/30/2023						
1/31/2023					111	62.8
2/1/2023						
2/2/2023	81.4					
2/7/2023						
8/15/2023		102				
8/16/2023			196	37.7		
8/17/2023						
8/18/2023						
8/21/2023					123	
8/22/2023						85.7
8/23/2023	85					
8/25/2023						

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-18	BGWC-19
6/6/2016	2.9	27							
6/7/2016			37	26	44	19	2		
6/8/2016								48	23
6/9/2016									
8/9/2016	2.5								
8/10/2016							2.1		
8/11/2016		30	41	34					
8/12/2016					43			27	26
8/15/2016									
8/16/2016						20			
8/18/2016									
8/22/2016									
10/3/2016	2.5								
10/4/2016							2.3		
10/5/2016		36							
10/6/2016					41				
10/7/2016			44	38		21		72	41
10/10/2016									
11/29/2016	2.6								
12/1/2016									
12/2/2016							2.1		
12/5/2016		40			41				
12/6/2016			48	45		22		73	
12/7/2016									23
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	2.1								
2/14/2017							2		
2/15/2017		38			39				
2/16/2017			46	40		22		19	31
2/17/2017									
2/20/2017									
3/27/2017									
4/13/2017	2.1								
4/14/2017							1.7		
4/17/2017		35							
4/18/2017			41		39	21			
4/19/2017				38				13	30
4/20/2017									
5/22/2017									
5/25/2017	2.4								
5/26/2017		35					1.6		
5/30/2017			38	41					
6/1/2017								8	13
6/2/2017					37	20			
6/5/2017									
7/7/2017	1.9								
7/10/2017							1.5		
7/11/2017		33							
7/12/2017						23			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
12/15/2020									
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								1.2	
3/24/2021									
3/25/2021									85.5
3/26/2021				5.7		1240	928		
3/29/2021	131	5	886						
3/30/2021					8.8				
4/1/2021									
7/19/2021			579			575	570		
7/20/2021									95.3
8/16/2021								1.1	
8/18/2021									
8/19/2021				5.1	7.6				117
8/20/2021	144	4.4							
8/23/2021			879			1250	898		
8/25/2021									
11/1/2021			744			661	688		133
2/9/2022									
2/10/2022								1.2	
2/11/2022					8				
2/14/2022							925		146
2/15/2022			789			1120			
2/16/2022	141	4		5.7					
7/26/2022								0.97 (J)	
7/27/2022	169			6.2					
7/28/2022		4.7			8.9				
8/1/2022							794		114
8/2/2022			828			17.1			
8/3/2022									
10/21/2022						836 (R)			
1/24/2023								1.5	
1/26/2023					7.5				
1/27/2023		6.1		5.4					
1/30/2023	156								
1/31/2023									
2/1/2023						789			154
2/2/2023							737		
2/7/2023			803						
8/15/2023									
8/16/2023								1.3	
8/17/2023				11.4	8				
8/18/2023	145								
8/21/2023									97.6
8/22/2023			1020						
8/23/2023		5					439		
8/25/2023						641			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWC-14A BGWA-47D (bg) BGWA-48D (bg) BGWC-52 BGWC-51

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-52	BGWC-51
7/13/2017						
7/14/2017						
7/17/2017						
7/18/2017						
7/19/2017						
8/23/2017						
10/9/2017						
10/10/2017						
10/11/2017						
10/12/2017						
6/12/2018						
6/13/2018						
6/14/2018						
6/15/2018						
10/16/2018						
10/17/2018						
10/18/2018						
10/19/2018						
10/22/2018						
4/1/2019						
4/2/2019						
4/3/2019	5.2					
4/4/2019						
5/2/2019						
9/23/2019						
9/24/2019						
9/25/2019						
9/26/2019						
9/27/2019	394 (o)					
9/30/2019						
2/19/2020						
2/21/2020	2.6					
2/25/2020						
2/26/2020						
3/18/2020						
3/19/2020						
3/20/2020	4					
3/23/2020						
3/24/2020						
3/25/2020						
5/22/2020		32	6.6			
5/25/2020				4		
6/23/2020		15.7	5.9	5.5		
7/28/2020		20.6	5.9	4.6		
9/2/2020		18.9	6			
9/3/2020				6.3		
9/23/2020						
9/24/2020						
9/25/2020	3.3					
9/28/2020						
10/1/2020		18.6	6	7.5		
11/10/2020		19.6	5.5	7.7		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-52	BGWC-51
12/15/2020		20.7	6.3	8		
1/20/2021		21.9	5.7	7.2		
1/28/2021					484	835
2/23/2021					489	845
3/23/2021						
3/24/2021		14.1				
3/25/2021			5.7	7.5		
3/26/2021						
3/29/2021						
3/30/2021					472	772
4/1/2021	2.9					
7/19/2021						
7/20/2021						
8/16/2021			5.7	8		
8/18/2021		17.1				
8/19/2021						
8/20/2021						
8/23/2021					384	756
8/25/2021	3.3					
11/1/2021						
2/9/2022		10.8	5.4	8.9		
2/10/2022						
2/11/2022						
2/14/2022					46.8	128
2/15/2022						
2/16/2022	2.8					
7/26/2022		19.6	5.5	4.6		
7/27/2022						
7/28/2022					33.9	
8/1/2022						95.4
8/2/2022						
8/3/2022	3.4					
10/21/2022						
1/24/2023			5.2	4.3		
1/26/2023		10.9				
1/27/2023						
1/30/2023						
1/31/2023					41.5	85.6
2/1/2023						
2/2/2023	3.4					
2/7/2023						
8/15/2023			4.9			
8/16/2023		18.2		4.3		
8/17/2023						
8/18/2023						
8/21/2023						108
8/22/2023					64.6	
8/23/2023	2					
8/25/2023						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-16	BGWC-20	BGWC-25
6/6/2016	0.11 (J)	0.12 (J)							
6/7/2016			0.15 (J)	<0.1	0.09 (J)	<0.1	<0.1		
6/8/2016								0.09 (J)	0.14 (J)
6/9/2016									
8/9/2016	0.09 (J)								
8/10/2016						0.07 (J)			
8/11/2016		0.27 (J)	0.3 (J)				0.12 (J)		
8/12/2016				0.08 (J)				0.04 (J)	
8/15/2016									0.08 (J)
8/16/2016					0.09 (J)				
8/18/2016									
8/22/2016									
10/3/2016	0.11 (J)								
10/4/2016						0.07 (J)			
10/5/2016		0.12 (J)							
10/6/2016				0.06 (J)					
10/7/2016			0.14 (J)		0.17 (J)		0.08 (J)		
10/10/2016								0.06 (J)	0.1 (J)
11/29/2016	0.11 (J)								
12/1/2016									
12/2/2016						0.09 (J)			
12/5/2016		0.26 (J)		0.12 (J)					
12/6/2016			0.19 (J)		0.16 (J)		0.24 (J)		
12/7/2016								0.07 (J)	
12/8/2016									0.06 (J)
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	0.12 (J)								
2/14/2017						0.02 (J)			
2/15/2017		0.46		0.33					
2/16/2017			0.51		0.38		0.31		
2/17/2017								0.06 (J)	
2/20/2017									0.16 (J)
3/27/2017									
4/13/2017	0.1 (J)								
4/14/2017						0.02 (J)			
4/17/2017		0.14 (J)							
4/18/2017				0.006 (J)	0.12 (J)		0.02 (J)		
4/19/2017			0.18 (J)					0.005 (J)	
4/20/2017									0.02 (J)
5/22/2017									
5/25/2017	0.08 (J)								
5/26/2017		0.13 (J)				0.02 (J)			
5/30/2017			0.15 (J)				0.51		
6/1/2017								0.65	0.04 (J)
6/2/2017				0.04 (J)	0.03 (J)				
6/5/2017									
7/7/2017	0.13 (J)								
7/10/2017						0.03 (J)			
7/11/2017		0.2 (J)							
7/12/2017					0.15 (J)				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-16	BGWC-20	BGWC-25
7/13/2017				0.17 (J)					
7/14/2017			0.16 (J)				0.14 (J)		
7/17/2017									0.07 (J)
7/18/2017								0.36	
7/19/2017									
8/23/2017									
10/9/2017	0.11 (J)								
10/10/2017		0.61		0.08 (J)		<0.1			
10/11/2017			0.64		0.07 (J)		0.29 (J)	<0.1	0.11 (J)
10/12/2017									
3/26/2018	<0.1					<0.1			
3/27/2018		0.36	0.33		<0.1		<0.1		
3/28/2018				<0.1				<0.1	<0.1
3/29/2018									
6/12/2018	0.086 (J)	0.13 (J)				0.061 (J)	0.061 (J)		
6/13/2018								0.038 (J)	
6/14/2018			0.11 (J)	<0.1	0.046 (J)				<0.1
6/15/2018									
10/16/2018	0.06 (J)					<0.1			
10/17/2018		0.13 (J)	<0.1	<0.1					
10/18/2018					<0.1		<0.1		
10/19/2018									
10/22/2018								<0.1	<0.1
2/25/2019	<0.1					<0.1	0.13 (J)		
2/27/2019			0.26 (J)					0.13 (J)	
2/28/2019				0.18 (J)	0.14 (J)				
3/1/2019									0.12 (J)
4/1/2019	0.047 (J)	0.33		0.065 (J)		<0.1			
4/2/2019			0.14 (J)		0.044 (J)		0.23 (J)		
4/3/2019								0.072 (J)	
4/4/2019									<0.1
5/2/2019	<0.1								
9/23/2019	0.076 (J)								
9/24/2019		0.096 (J)				<0.1			
9/25/2019				0.13 (J)	0.075 (J)				
9/26/2019			0.071 (J)				<0.1	<0.1	
9/27/2019									
9/30/2019									0.065 (J)
2/18/2020	<0.1								
2/19/2020						<0.1			
2/20/2020		0.063 (J)			<0.1		<0.1		
2/21/2020									
2/24/2020			0.11 (J)	0.051 (J)				<0.1	
2/25/2020									
2/26/2020									<0.1
3/18/2020	<0.1					<0.1			
3/19/2020		0.074 (J)	0.12 (J)	<0.1			0.052 (J)		
3/20/2020									
3/23/2020					<0.1			<0.1	
3/24/2020									<0.1
3/25/2020									
5/22/2020									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-16	BGWC-20	BGWC-25
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020	<0.1					<0.1			
9/24/2020		0.091 (J)	0.12		<0.1		0.059 (J)		
9/25/2020				<0.1					
9/28/2020								<0.1	<0.1
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/16/2021	<0.1					<0.1			
2/17/2021		0.086 (J)							
2/18/2021			0.1		<0.1		0.064 (J)	<0.1	
2/19/2021				<0.1					
2/23/2021									<0.1
3/8/2021									
3/23/2021									
3/24/2021		0.075 (J)	0.11	<0.1		<0.1	0.053 (J)		
3/25/2021									
3/26/2021	<0.1								<0.1
3/29/2021								<0.1	
3/30/2021					<0.1				
4/1/2021									
7/19/2021									
7/20/2021									
8/16/2021	<0.1								
8/18/2021		0.073 (J)		<0.1	<0.1	<0.1	<0.1		
8/19/2021			0.097 (J)						<0.1
8/20/2021								<0.1	
8/23/2021									
8/25/2021									
11/1/2021									
2/9/2022	<0.1								
2/10/2022		0.071 (J)				<0.1			
2/11/2022			0.1	<0.1	<0.1		0.056 (J)		
2/14/2022									
2/15/2022									
2/16/2022								<0.1	<0.1
7/26/2022	0.066 (J)	0.11				0.067 (J)			
7/27/2022			0.13	0.081 (J)			0.091 (J)	0.062 (J)	0.051 (J)
7/28/2022					0.064 (J)				
8/1/2022									
8/2/2022									
8/3/2022									
10/21/2022									
1/24/2023	0.055 (J)								
1/26/2023		0.09 (J)	0.13	0.083 (J)		0.063 (J)	0.091 (J)		
1/27/2023					0.058 (J)				0.053 (J)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-16	BGWC-20	BGWC-25
1/30/2023								0.064 (J)	
1/31/2023									
2/1/2023									
2/2/2023									
2/7/2023									
8/15/2023									
8/16/2023				0.089 (J)		0.064 (J)			
8/17/2023		0.091 (J)	0.12		0.05 (J)		0.074 (J)		<0.1
8/18/2023								0.068 (J)	
8/21/2023	<0.1								
8/22/2023									
8/23/2023									
8/25/2023									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-19	BGWC-18	BGWC-7	BGWC-22	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	<0.1	<0.1	0.1 (J)	0.19 (J)	0.43				
6/9/2016						0.12 (J)	<0.1		
8/9/2016									
8/10/2016									
8/11/2016				0.15 (J)					
8/12/2016		0.2 (J)	0.39						
8/15/2016									
8/16/2016									
8/18/2016	0.09 (J)				0.3 (J)	0.08 (J)	0.24 (J)		
8/22/2016								0.04 (J)	
10/3/2016								0.06 (J)	
10/4/2016									
10/5/2016									
10/6/2016				0.17 (J)					
10/7/2016		0.07 (J)	0.16 (J)						
10/10/2016	0.04 (J)				0.32	0.09 (J)	0.3		
11/29/2016									
12/1/2016								0.08 (J)	
12/2/2016									
12/5/2016									
12/6/2016			0.32	0.22 (J)					
12/7/2016		0.09 (J)				0.08 (J)	0.05 (J)		
12/8/2016	0.08 (J)				0.26 (J)				
1/10/2017								0.03 (J)	
1/23/2017									0.06 (J)
2/7/2017									0.09 (J)
2/13/2017									
2/14/2017								<0.1	
2/15/2017				0.18 (J)					
2/16/2017		0.6	0.38						
2/17/2017	0.08 (J)				0.39				
2/20/2017						0.09 (J)	0.65		
3/27/2017									0.09 (J)
4/13/2017									
4/14/2017								0.01 (J)	
4/17/2017									0.36
4/18/2017				0.11 (J)					
4/19/2017	0.04 (J)	0.09 (J)	0.08 (J)			0.03 (J)	0.21 (J)		
4/20/2017					0.34				
5/22/2017									0.05 (J)
5/25/2017								0.005 (J)	
5/26/2017									
5/30/2017									
6/1/2017	0.03 (J)	0.05 (J)	0.09 (J)						
6/2/2017				0.07 (J)					
6/5/2017					0.29 (J)	<0.1	0.05 (J)		0.32
7/7/2017									
7/10/2017								0.06 (J)	
7/11/2017									0.13 (J)
7/12/2017									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-19	BGWC-18	BGWC-7	BGWC-22	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
7/13/2017									
7/14/2017		0.08 (J)	0.06 (J)	0.23 (J)					
7/17/2017						0.09 (J)	2.5		
7/18/2017	0.08 (J)								
7/19/2017					0.33				
8/23/2017									0.17 (J)
10/9/2017									
10/10/2017								<0.1	0.35
10/11/2017		0.11 (J)	0.14 (J)	0.1 (J)		0.09 (J)	1.8		
10/12/2017	0.12 (J)				0.31				
3/26/2018								<0.1	0.75
3/27/2018		<0.1	<0.1	<0.1					
3/28/2018	<0.1								
3/29/2018					0.58	<0.1	2		
6/12/2018								0.053 (J)	
6/13/2018				0.25 (J)		0.71	3.1		
6/14/2018	<0.1		0.095 (J)		0.15 (J)				
6/15/2018		0.07 (J)							0.51
10/16/2018								<0.1	
10/17/2018									
10/18/2018			0.054 (J)	0.047 (J)					
10/19/2018	<0.1	0.17 (J)							
10/22/2018					0.78	0.81	3.1		0.44
2/25/2019									
2/27/2019			<0.1					<0.1	
2/28/2019				0.23 (J)					
3/1/2019		0.14 (J)			0.34	0.38	1		0.24 (J)
4/1/2019								<0.1	
4/2/2019			0.044 (J)	0.22 (J)					0.68
4/3/2019	0.032 (J)	0.051 (J)			0.23 (J)	0.1 (J)	3		
4/4/2019									
5/2/2019					1.4				
9/23/2019								<0.1	
9/24/2019				0.12 (J)					
9/25/2019									
9/26/2019		<0.1	0.052 (J)						
9/27/2019					1	0.54			0.13 (J)
9/30/2019	0.066 (J)						1.2		
2/18/2020									
2/19/2020								<0.1	
2/20/2020									
2/21/2020				0.12 (J)					
2/24/2020		0.05 (J)	<0.1						
2/25/2020					0.24 (J)	0.066 (J)			
2/26/2020	<0.1						0.064 (J)		0.057 (J)
3/18/2020								<0.1	
3/19/2020				0.12 (J)					
3/20/2020	<0.1	<0.1	<0.1		0.23 (J)				
3/23/2020						0.056 (J)			0.054 (J)
3/24/2020									
3/25/2020							0.056 (J)		
5/22/2020									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-19	BGWC-18	BGWC-7	BGWC-22	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								<0.1	
9/24/2020	<0.1		0.058 (J)		0.24	0.062 (J)			
9/25/2020				0.11			0.054 (J)		<0.1
9/28/2020		<0.1							
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
1/28/2021									
2/16/2021								<0.1	
2/17/2021									
2/18/2021		<0.1	<0.1	0.13					
2/19/2021	<0.1				0.2	<0.1	0.14		
2/23/2021									
3/8/2021									<0.1
3/23/2021								<0.1	
3/24/2021			<0.1						
3/25/2021									<0.1
3/26/2021		0.053 (J)				0.054 (J)	0.095 (J)		
3/29/2021	<0.1				0.22				
3/30/2021				0.18					
4/1/2021									
7/19/2021					0.24	0.065 (J)	0.13		
7/20/2021									<0.1
8/16/2021								<0.1	
8/18/2021									
8/19/2021			<0.1	0.12					<0.1
8/20/2021	<0.1	<0.1							
8/23/2021					0.23	<0.1	0.12		
8/25/2021									
11/1/2021					0.25	0.068 (J)	0.15		0.055 (J)
2/9/2022									
2/10/2022								<0.1	
2/11/2022				0.12					
2/14/2022						<0.1			0.075 (J)
2/15/2022					0.24		<0.1		
2/16/2022	<0.1	<0.1	<0.1						
7/26/2022								0.058 (J)	
7/27/2022		0.071 (J)	0.081 (J)						
7/28/2022	<0.1			0.16					
8/1/2022						0.07 (J)			0.09 (J)
8/2/2022					0.19		0.097 (J)		
8/3/2022									
10/21/2022							0.14 (R)		
1/24/2023								0.052 (J)	
1/26/2023			0.056 (J)	0.15					
1/27/2023	<0.1	0.077 (J)							

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-19	BGWC-18	BGWC-7	BGWC-22	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/30/2023									
1/31/2023									
2/1/2023							0.18		0.092 (J)
2/2/2023						0.074 (J)			
2/7/2023					0.26				
8/15/2023									
8/16/2023								0.06 (J)	
8/17/2023			0.056 (J)	0.14					
8/18/2023		0.077 (J)							
8/21/2023									0.065 (J)
8/22/2023					0.23				
8/23/2023	<0.1					<0.1			
8/25/2023							0.15		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg) BGWC-51 BGWC-52

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017						
7/14/2017						
7/17/2017						
7/18/2017						
7/19/2017						
8/23/2017						
10/9/2017						
10/10/2017						
10/11/2017						
10/12/2017						
3/26/2018						
3/27/2018						
3/28/2018						
3/29/2018						
6/12/2018						
6/13/2018						
6/14/2018						
6/15/2018						
10/16/2018						
10/17/2018						
10/18/2018						
10/19/2018						
10/22/2018						
2/25/2019						
2/27/2019						
2/28/2019						
3/1/2019						
4/1/2019						
4/2/2019						
4/3/2019	0.085 (J)					
4/4/2019						
5/2/2019						
9/23/2019						
9/24/2019						
9/25/2019						
9/26/2019						
9/27/2019	0.33					
9/30/2019						
2/18/2020						
2/19/2020						
2/20/2020						
2/21/2020	0.059 (J)					
2/24/2020						
2/25/2020						
2/26/2020						
3/18/2020						
3/19/2020						
3/20/2020	0.061 (J)					
3/23/2020						
3/24/2020						
3/25/2020						
5/22/2020		0.054 (J)		0.065 (J)		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
5/25/2020				0.19 (J)		
6/23/2020		<0.1	<0.1	0.19		
7/28/2020		<0.1	<0.1	0.57		
9/2/2020		<0.1	0.061 (J)			
9/3/2020				0.11		
9/23/2020						
9/24/2020						
9/25/2020	0.068 (J)					
9/28/2020						
10/1/2020		<0.1	<0.1	0.063 (J)		
11/10/2020		<0.1	<0.1	<0.1		
12/15/2020		<0.1	0.052	<0.1		
1/20/2021		<0.1	<0.1	<0.1		
1/28/2021					0.17	0.1
2/16/2021						
2/17/2021		<0.1		<0.1		
2/18/2021			0.055 (J)			
2/19/2021	0.062 (J)					
2/23/2021					0.087 (J)	0.073 (J)
3/8/2021						
3/23/2021						
3/24/2021			<0.1			
3/25/2021		<0.1		<0.1		
3/26/2021						
3/29/2021						
3/30/2021					0.11	0.12
4/1/2021	0.06 (J)					
7/19/2021						
7/20/2021						
8/16/2021		<0.1		<0.1		
8/18/2021			<0.1			
8/19/2021						
8/20/2021						
8/23/2021					0.084 (J)	0.093 (J)
8/25/2021	0.088 (J)					
11/1/2021						
2/9/2022		<0.1	<0.1	0.065 (J)		
2/10/2022						
2/11/2022						
2/14/2022					0.13	0.1
2/15/2022						
2/16/2022	0.061 (J)					
7/26/2022		0.064 (J)	0.082 (J)	0.086 (J)		
7/27/2022						
7/28/2022						0.14
8/1/2022					0.16	
8/2/2022						
8/3/2022	0.079 (J)					
10/21/2022						
1/24/2023		0.05 (J)		0.076 (J)		
1/26/2023			0.084 (J)			
1/27/2023						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
1/30/2023						
1/31/2023					0.15	0.14
2/1/2023						
2/2/2023	0.077 (J)					
2/7/2023						
8/15/2023		0.06 (J)				
8/16/2023			0.076 (J)	0.075 (J)		
8/17/2023						
8/18/2023						
8/21/2023					0.14	
8/22/2023						0.098 (J)
8/23/2023	0.056 (J)					
8/25/2023						

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:33 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-16	BGWC-20	BGWC-25
6/6/2016	7.69	7.46							
6/7/2016			7.41	7.56	7.49	7.55	6.99		
6/8/2016								7.45	7.95
6/9/2016									
8/9/2016	7.72								
8/10/2016						7.66			
8/11/2016		7.51	7.39				6.93		
8/12/2016				7.47				7.18	
8/15/2016					7.51				7.66
8/18/2016									
8/22/2016									
10/3/2016	7.74								
10/4/2016									
10/5/2016		7.37				7.37			
10/6/2016				7.26	7.58				
10/7/2016			7.33				6.79		
10/10/2016								6.66	7.26
11/29/2016	7.74								
12/1/2016									
12/2/2016						7.67			
12/5/2016		7.42		7.58					
12/6/2016			7.4		7.44		6.95		
12/7/2016								7.46	
12/8/2016									7.55
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	7.63								
2/14/2017						7.54			
2/15/2017		7.32		7.32					
2/16/2017			7.21		7.21		6.8		
2/17/2017								7.17	
2/20/2017									7.45
3/27/2017									
4/13/2017	7.57								
4/14/2017						7.63			
4/17/2017		7.23							
4/18/2017				7.31	7.39		6.9		
4/19/2017			7.06					7.01	
4/20/2017									7.58
5/22/2017									
5/25/2017	7.84								
5/26/2017		7.29				7.76			
5/30/2017			7.51				6.99		
6/1/2017								7.18	7.65
6/2/2017				7.36	7.38				
6/5/2017									
7/7/2017	7.82								
7/10/2017						7.7			
7/11/2017		7.34							
7/12/2017					7.37				
7/13/2017				7.24					

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:33 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-19	BGWC-18	BGWC-7	BGWC-22	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	7.88	6.58	6.93	7	7.1				
6/9/2016						7.3	6.83		
8/9/2016									
8/10/2016				7.02					
8/11/2016									
8/12/2016		6.59	6.98						
8/15/2016									
8/18/2016	7.86				7.1	7.27	6.88		
8/22/2016								7.91	
10/3/2016									
10/4/2016								7.81	
10/5/2016				6.96					
10/6/2016									
10/7/2016		6.77	6.91						
10/10/2016	7.96				6.77	7.35	6.95		
11/29/2016									
12/1/2016								8.06	
12/2/2016									
12/5/2016				7.16					
12/6/2016			7.06						
12/7/2016		6.63				7.23	6.91		
12/8/2016	7.82				6.94				
1/10/2017								7.97	
1/23/2017									7.39
2/7/2017									7.35
2/13/2017									
2/14/2017								7.89	
2/15/2017				7.05					
2/16/2017		6.55	6.62						
2/17/2017	7.56				7.02				
2/20/2017						7.17	6.71		
3/27/2017									7.46
4/13/2017									
4/14/2017								7.86	
4/17/2017				7.17					7.19
4/18/2017									
4/19/2017	7.42	6.5	6.75			7.22	6.76		
4/20/2017					6.95				
5/22/2017									7.4
5/25/2017								8.11	
5/26/2017									
5/30/2017									
6/1/2017	7.61	6.27	6.18	7.17					
6/2/2017									
6/5/2017					7.07	7.31	6.87		7.69
7/7/2017									
7/10/2017								8.12	
7/11/2017									7.29
7/12/2017									
7/13/2017				7.11					

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-19	BGWC-18	BGWC-7	BGWC-22	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/31/2023									
2/1/2023							6.68		7.15
2/2/2023						6.8			
2/7/2023				6.44					
5/10/2023						6.74 (R)			
8/15/2023									
8/16/2023								7.3	
8/17/2023			6.23	6.79					
8/18/2023		6.43							
8/21/2023									7
8/22/2023					6.4				
8/23/2023	6.96					6.69			
8/25/2023							6.36		

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg) BGWC-51 BGWC-52

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017
7/13/2017

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:33 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
7/14/2017						
7/17/2017						
7/18/2017						
7/19/2017						
8/23/2017						
10/9/2017						
10/10/2017						
10/11/2017						
10/12/2017						
3/26/2018						
3/27/2018						
3/28/2018						
3/29/2018						
6/12/2018						
6/13/2018						
6/14/2018						
6/15/2018						
10/16/2018						
10/17/2018						
10/18/2018						
10/19/2018						
10/22/2018						
2/25/2019						
2/27/2019						
2/28/2019						
3/1/2019						
4/1/2019						
4/2/2019	7.67					
4/3/2019						
4/4/2019						
5/2/2019						
9/23/2019						
9/24/2019						
9/25/2019						
9/26/2019						
9/27/2019	7.75					
9/30/2019						
2/18/2020						
2/19/2020						
2/20/2020						
2/21/2020	7.54					
2/24/2020						
2/25/2020						
2/26/2020						
3/18/2020						
3/19/2020						
3/20/2020	7.53					
3/23/2020						
3/24/2020						
3/25/2020						
5/22/2020		7.15	7.2			
5/25/2020				7.45		

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
6/23/2020		7 (D)	7.41 (D)	7.46 (D)		
7/28/2020		6.98	6.98	7.79		
9/2/2020		6.95	6.97			
9/3/2020				7.35		
9/23/2020						
9/24/2020						
9/25/2020	7.62					
9/28/2020	7.02					
10/1/2020		6.94	7.08	7.41		
11/10/2020		6.89	7	7.17		
12/15/2020		7.04	7.02	7.37		
1/20/2021		6.83	7.12	7.31		
1/28/2021					6.81	7.01
2/16/2021						
2/17/2021		6.89		7.21		
2/18/2021			7.14			
2/19/2021	7.73					
2/23/2021					6.71	6.95
3/8/2021						
3/23/2021						
3/24/2021			7.04			
3/25/2021		6.94		7.22		
3/26/2021						
3/29/2021						
3/30/2021					6.64	6.82
4/1/2021	7.75					
7/19/2021						
7/20/2021						
8/16/2021		6.8		7.13		
8/18/2021			6.86			
8/19/2021						
8/20/2021						
8/23/2021					6.61	6.84
8/25/2021	7.52					
11/1/2021						
2/9/2022		6.86	7.01	7.16		
2/10/2022						
2/11/2022						
2/14/2022					7.11	7.57
2/15/2022						
2/16/2022	7.2					
7/26/2022		6.75	6.78	7.37		
7/27/2022						
7/28/2022						7.62
8/1/2022					6.96	
8/2/2022						
8/3/2022	6.89					
10/21/2022						
1/24/2023		6.72		7.32		
1/26/2023			6.91			
1/27/2023						
1/30/2023						

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
1/31/2023					6.87	7.56
2/1/2023						
2/2/2023	6.7					
2/7/2023						
5/10/2023						
8/15/2023		6.62				
8/16/2023			6.56	6.94		
8/17/2023						
8/18/2023						
8/21/2023					6.79	
8/22/2023						7.13
8/23/2023	6.44					
8/25/2023						

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-18	BGWC-19
6/6/2016	8	100							
6/7/2016			240	120	190	99	26		
6/8/2016								120	110
6/9/2016									
8/9/2016	6.5								
8/10/2016							29		
8/11/2016		110	250	110					
8/12/2016					180			81	110
8/15/2016									
8/16/2016						110			
8/18/2016									
8/22/2016									
10/3/2016	5.7								
10/4/2016							40		
10/5/2016		120							
10/6/2016					200				
10/7/2016			260	150		110		140	150
10/10/2016									
11/29/2016	5.2								
12/1/2016									
12/2/2016							37		
12/5/2016		130			130				
12/6/2016			280	130		110		160	
12/7/2016									97
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	6.4								
2/14/2017							45		
2/15/2017		120			190				
2/16/2017			380	120		110		92	130
2/17/2017									
2/20/2017									
3/27/2017									
4/13/2017	4.9								
4/14/2017							27		
4/17/2017		110							
4/18/2017			290		220	110			
4/19/2017				110				80	140
4/20/2017									
5/22/2017									
5/25/2017	5.7								
5/26/2017		110					34		
5/30/2017			260	110					
6/1/2017								73	70
6/2/2017					250	110			
6/5/2017									
7/7/2017	6.3								
7/10/2017							28		
7/11/2017		110							
7/12/2017						110			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-21	BGWC-22	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
12/15/2020									
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								4.6	
3/24/2021									
3/25/2021									28.1
3/26/2021				21.3		515	679		
3/29/2021	504	55.2	772						
3/30/2021					290				
4/1/2021									
7/19/2021			506			194	335		
7/20/2021									37.2
8/16/2021								4.8	
8/18/2021									
8/19/2021				10.2	237				58.2
8/20/2021	550	54.6							
8/23/2021			848			527	628		
8/25/2021									
11/1/2021			690			225	410		65.5
2/9/2022									
2/10/2022								1.9	
2/11/2022					225				
2/14/2022							622		74.4
2/15/2022			789			473			
2/16/2022	555	48.7		13.7					
7/26/2022								3.6	
7/27/2022	617			12.6					
7/28/2022		55.3			268				
8/1/2022							528		63.3
8/2/2022			762			52.8			
8/3/2022									
10/21/2022						389 (R)			
1/24/2023								1.4	
1/26/2023					253				
1/27/2023		55.3		24.1					
1/30/2023	622								
1/31/2023									
2/1/2023						395			75.5
2/2/2023							514		
2/7/2023			707						
8/15/2023									
8/16/2023								3.8	
8/17/2023				20.2	207				
8/18/2023	612								
8/21/2023									54
8/22/2023			748						
8/23/2023		46.4					320		
8/25/2023						337			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWC-14A BGWA-47D (bg) BGWA-48D (bg) BGWC-52 BGWC-51

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-52	BGWC-51
7/13/2017						
7/14/2017						
7/17/2017						
7/18/2017						
7/19/2017						
8/23/2017						
10/9/2017						
10/10/2017						
10/11/2017						
10/12/2017						
6/12/2018						
6/13/2018						
6/14/2018						
6/15/2018						
10/16/2018						
10/17/2018						
10/18/2018						
10/19/2018						
10/22/2018						
4/1/2019						
4/2/2019						
4/3/2019	26.2					
4/4/2019						
5/2/2019						
9/23/2019						
9/24/2019						
9/25/2019						
9/26/2019						
9/27/2019	200 (o)					
9/30/2019						
2/19/2020						
2/21/2020	23.5					
2/25/2020						
2/26/2020						
3/18/2020						
3/19/2020						
3/20/2020	26.1					
3/23/2020						
3/24/2020						
3/25/2020						
5/22/2020		92.6	53.5			
5/25/2020				43.3		
6/23/2020		88.7	64.5	59.7		
7/28/2020		300	65.7	15.8		
9/2/2020		360	70.2			
9/3/2020				24.4		
9/23/2020						
9/24/2020						
9/25/2020	22.6					
9/28/2020						
10/1/2020		382	70.2	26.6		
11/10/2020		354	68.9	24.1		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)	BGWC-52	BGWC-51
12/15/2020		406	78	28.3		
1/20/2021		299	73.4	26.1		
1/28/2021					308	562
2/23/2021					320	536
3/23/2021						
3/24/2021		115				
3/25/2021			74.5	22		
3/26/2021						
3/29/2021						
3/30/2021					347	636
4/1/2021	24.6					
7/19/2021						
7/20/2021						
8/16/2021			74.5	6.7		
8/18/2021		375				
8/19/2021						
8/20/2021						
8/23/2021					277	545
8/25/2021	25					
11/1/2021						
2/9/2022		130	72.7	19.1		
2/10/2022						
2/11/2022						
2/14/2022					64.1	114
2/15/2022						
2/16/2022	22.8					
7/26/2022		486	74.9	20.8		
7/27/2022						
7/28/2022					50.1	
8/1/2022						94.4
8/2/2022						
8/3/2022	4.6					
10/21/2022						
1/24/2023			67.2	22.4		
1/26/2023		213				
1/27/2023						
1/30/2023						
1/31/2023					77.2	135
2/1/2023						
2/2/2023	7.3					
2/7/2023						
8/15/2023			65.7			
8/16/2023		486		23		
8/17/2023						
8/18/2023						
8/21/2023						95
8/22/2023					92.8	
8/23/2023	20.5					
8/25/2023						

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-12	BGWC-16	BGWC-17	BGWC-8	BGWC-10	BGWC-21	BGWC-20
6/6/2016	170	320							
6/7/2016			510	580	360	200	300		
6/8/2016								260	1000
6/9/2016									
8/9/2016	183								
8/10/2016						228			
8/11/2016		361		548	340				
8/12/2016			476						1100
8/15/2016									
8/16/2016							286		
8/18/2016								239	
8/22/2016									
10/3/2016	201								
10/4/2016						186			
10/5/2016		376							
10/6/2016			524						
10/7/2016				617	533		513		
10/10/2016								239	1110
11/29/2016	109								
12/1/2016									
12/2/2016						183			
12/5/2016		426	489						
12/6/2016				730	413		421		
12/7/2016									1100
12/8/2016								255	
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	214								
2/14/2017						367			
2/15/2017		452	562						
2/16/2017				685	434		433		
2/17/2017								236	1160
2/20/2017									
3/27/2017									
4/13/2017	211								
4/14/2017						184			
4/17/2017		388							
4/18/2017			955	621			349		
4/19/2017					415			247	1180
4/20/2017									
5/22/2017									
5/25/2017	173								
5/26/2017		423				179			
5/30/2017				601	391				
6/1/2017								185	1130
6/2/2017			602				313		
6/5/2017									
7/7/2017	165								
7/10/2017						211			
7/11/2017		387							
7/12/2017							255		

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-25	BGWC-22	BGWC-18	BGWC-7	BGWC-23	BGWC-24	BGWA-29 (bg)	BGWC-30
1/20/2021									
1/28/2021									
2/23/2021									
3/23/2021								108	
3/24/2021				240					
3/25/2021									358
3/26/2021	205	215				2690	3070		
3/29/2021			2430						
3/30/2021					570				
4/1/2021									
8/16/2021								101	
8/18/2021									
8/19/2021		235		252	666				682
8/20/2021	204								
8/23/2021			3660			3140	4300		
8/25/2021									
2/9/2022									
2/10/2022								96	
2/11/2022					618				
2/14/2022						3350			618
2/15/2022			3340				3890		
2/16/2022	288	235		253					
7/26/2022								114	
7/27/2022	338	231		307					
7/28/2022					732				
8/1/2022						2780			582
8/2/2022			3440				334		
8/3/2022									
10/21/2022							1610		
1/24/2023								129	
1/26/2023				197	657				
1/27/2023	200	310							
1/30/2023									
1/31/2023									
2/1/2023							2550		745
2/2/2023						2680			
2/7/2023			2490						
8/15/2023									
8/16/2023								101	
8/17/2023		250		303	702				
8/18/2023	318								
8/21/2023									611
8/22/2023			3940						
8/23/2023						1620			
8/25/2023							2120		

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg) BGWC-51 BGWC-52

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
7/13/2017						
7/14/2017						
7/17/2017						
7/18/2017						
7/19/2017						
8/23/2017						
10/9/2017						
10/10/2017						
10/11/2017						
10/12/2017						
6/12/2018						
6/13/2018						
6/14/2018						
6/15/2018						
10/16/2018						
10/17/2018						
10/18/2018						
10/19/2018						
10/22/2018						
4/1/2019						
4/2/2019						
4/3/2019	235					
4/4/2019						
9/23/2019						
9/24/2019						
9/25/2019						
9/26/2019						
9/27/2019	275					
9/30/2019						
2/19/2020						
2/21/2020	229					
2/25/2020						
2/26/2020						
3/18/2020						
3/19/2020						
3/20/2020	229					
3/23/2020						
3/24/2020						
3/25/2020						
5/22/2020		357	454			
5/25/2020				249		
6/23/2020		383	423	280		
7/28/2020		410	768	264		
9/2/2020		389	814			
9/3/2020				303		
9/23/2020						
9/24/2020						
9/25/2020	233					
9/28/2020						
10/1/2020		384	824	301		
11/10/2020		405	800	305		
12/15/2020		385	876	289		

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/21/2023 4:33 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)	BGWC-51	BGWC-52
1/20/2021		377	786	285		
1/28/2021					2950	1460
2/23/2021					2900	1590
3/23/2021						
3/24/2021			445			
3/25/2021		415		331		
3/26/2021						
3/29/2021						
3/30/2021					1980	1170
4/1/2021	183					
8/16/2021		399		269		
8/18/2021			850			
8/19/2021						
8/20/2021						
8/23/2021					3370	1960
8/25/2021	208					
2/9/2022		403	468	290		
2/10/2022						
2/11/2022						
2/14/2022					632	321
2/15/2022						
2/16/2022	208					
7/26/2022		402	966	246		
7/27/2022						
7/28/2022						236
8/1/2022					502	
8/2/2022						
8/3/2022	287					
10/21/2022						
1/24/2023		391		280		
1/26/2023			554			
1/27/2023						
1/30/2023						
1/31/2023					664	286
2/1/2023						
2/2/2023	368					
2/7/2023						
8/15/2023		399				
8/16/2023			1090	267		
8/17/2023						
8/18/2023						
8/21/2023					704	
8/22/2023						468
8/23/2023	351					
8/25/2023						

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWC-12	0.06093	129	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.06493	-89	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.06733	-120	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.05163	-92	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.1986	106	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.62	191	111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.698	157	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.004361	94	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.297	-151	-105	Yes	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-51	-9.299	-24	-21	Yes	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.156	-151	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.03744	-109	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.813	150	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.32	184	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	8.673	122	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.42	151	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	57.52	211	111	Yes	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	70.58	159	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-51	-236.4	-22	-21	Yes	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.123	-144	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3306	-59	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.247	147	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-4.868	-197	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.682	-149	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	56.05	159	111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	71.1	129	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-166.2	-129	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-126.4	-164	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-51	-348.9	-22	-21	Yes	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-9	-4.582	-129	-87	Yes	21	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-48D (bg)	-0.01422	-59	-53	Yes	15	40	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-2 (bg)	-0.05727	-152	-118	Yes	26	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-33 (bg)	-0.2748	-45	-43	Yes	13	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1259	-81	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-48D (bg)	-0.1622	-56	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06875	-204	-111	Yes	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-22	-0.06847	-243	-131	Yes	28	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-24	-0.04846	-184	-131	Yes	28	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.322	162	92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-1.587	-91	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	31.65	154	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	18.89	129	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.32	-119	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-7.074	-117	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-2 (bg)	8.479	106	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	66.18	144	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-16	29.91	106	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-20	32.3	98	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	224.5	117	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	197.1	110	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-310.2	-137	-92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-42.86	-130	-87	Yes	21	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	-0.00002121	-5	-92	No	22	13.64	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	-3	-92	No	22	54.55	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-33 (bg)	-0.004584	-20	-34	No	11	9.091	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.001225	-16	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	0.002616	6	48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-10	0.004195	48	87	No	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-12	0.06093	129	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-14A	0.1655	34	48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-16	0	2	87	No	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.06493	-89	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.06733	-120	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.05163	-92	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.1986	106	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.62	191	111	Yes	25	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.698	157	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-24	-1.136	-55	-105	No	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.004361	94	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.297	-151	-105	Yes	24	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-51	-9.299	-24	-21	Yes	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-52	-4.431	-17	-21	No	8	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.156	-151	-87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.03744	-109	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.813	150	92	Yes	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-29 (bg)	0	-3	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-33 (bg)	7.88	29	34	No	11	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	2.086	18	48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	-0.8519	-3	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.32	184	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-14A	15.18	35	48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	8.673	122	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	14.42	151	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	57.52	211	111	Yes	25	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	70.58	159	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-24	-46.67	-66	-105	No	24	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-51	-236.4	-22	-21	Yes	8	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-7	-1.6	-54	-87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-2 (bg)	0.158	74	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.123	-144	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-33 (bg)	-0.3585	-11	-30	No	10	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3306	-59	-48	Yes	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-48D (bg)	0.5721	13	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.247	147	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-4.868	-197	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-14A	-1.877	-28	-48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-3.682	-149	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-17	0.4813	23	87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-18	-2.883	-78	-87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-20	2.064	77	87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	56.05	159	111	Yes	25	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	71.1	129	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-166.2	-129	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-25	0.3302	78	87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-126.4	-164	-105	Yes	24	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-51	-348.9	-22	-21	Yes	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-52	-194.5	-18	-21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-9	-4.582	-129	-87	Yes	21	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-2 (bg)	-0.00176	-85	-118	No	26	42.31	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-29 (bg)	0	60	111	No	25	56	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-33 (bg)	-0.001734	-11	-38	No	12	0	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-47D (bg)	0	-22	-53	No	15	73.33	n/a	n/a	0.01	NP
Fluoride (mg/L)	BGWA-48D (bg)	-0.01422	-59	-53	Yes	15	40	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-2 (bg)	-0.05727	-152	-118	Yes	26	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-29 (bg)	-0.009636	-26	-111	No	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-33 (bg)	-0.2748	-45	-43	Yes	13	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1259	-81	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-48D (bg)	-0.1622	-56	-53	Yes	15	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-14A	-0.1202	-47	-53	No	15	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06875	-204	-111	Yes	25	0	n/a	n/a	0.01	NP

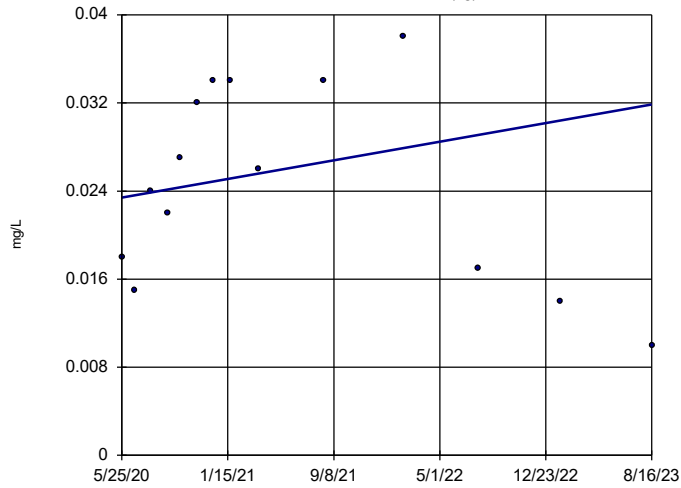
Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/21/2023, 4:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
pH (s.u.)	BGWC-18	-0.07992	-103	-111	No	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-19	-0.005195	-35	-111	No	25	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-22	-0.06847	-243	-131	Yes	28	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-24	-0.04846	-184	-131	Yes	28	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.322	162	92	Yes	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-29 (bg)	-0.4028	-66	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-33 (bg)	-1.634	-25	-30	No	10	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-47D (bg)	3.774	30	48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	-3.298	-33	-48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-1.587	-91	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	31.65	154	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-14A	49.66	28	48	No	14	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	18.89	129	87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-17	-2.714	-52	-87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-20	2.021	20	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-22	7.331	32	111	No	25	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-23	11.27	54	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-24	-43.89	-104	-105	No	24	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-51	-219.1	-16	-21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-52	-99.13	-12	-21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-36.32	-119	-87	Yes	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-7.074	-117	-87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-2 (bg)	8.479	106	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-29 (bg)	-2.017	-46	-87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-33 (bg)	15.58	9	34	No	11	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-47D (bg)	5.224	22	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-48D (bg)	-2.486	-6	-48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	66.18	144	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-14A	80.2	31	48	No	14	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-16	29.91	106	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-17	1.91	16	87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-20	32.3	98	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	224.5	117	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	197.1	110	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-24	-277.3	-83	-92	No	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-310.2	-137	-92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-51	-992.5	-12	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-52	-532.4	-12	-21	No	8	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-42.86	-130	-87	Yes	21	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

BGWA-48D (bg)

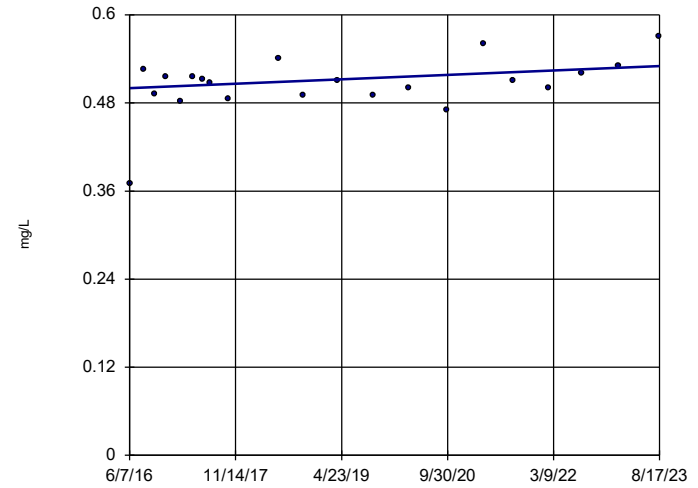


n = 14
 Slope = 0.002616 units per year.
 Mann-Kendall statistic = 6
 critical = 48
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-10

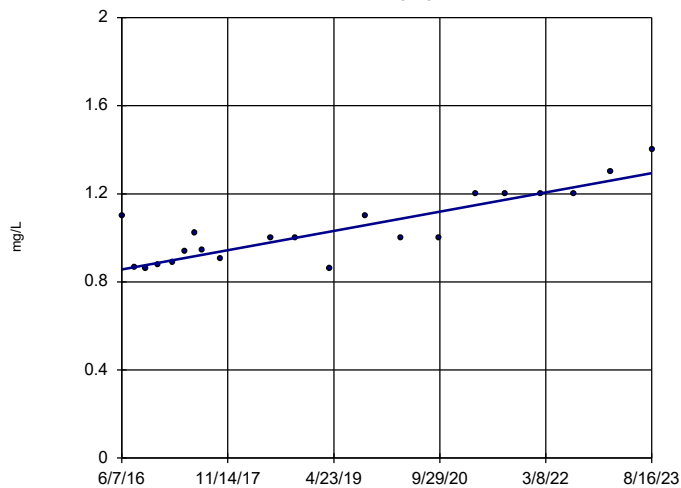


n = 21
 Slope = 0.004195 units per year.
 Mann-Kendall statistic = 48
 critical = 87
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-12

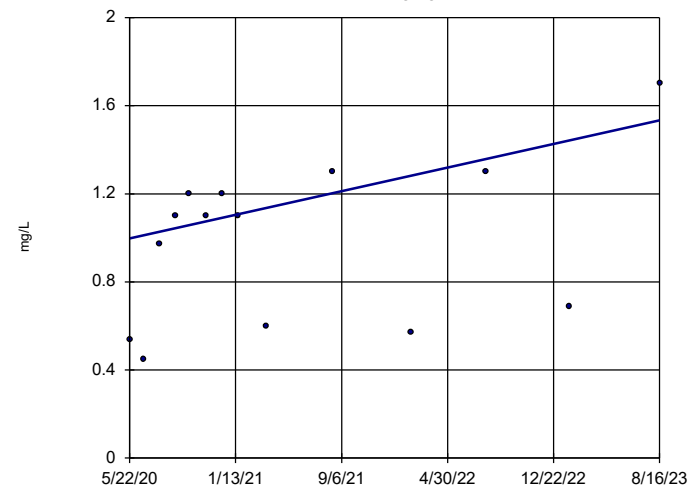


n = 21
 Slope = 0.06093 units per year.
 Mann-Kendall statistic = 129
 critical = 87
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-14A

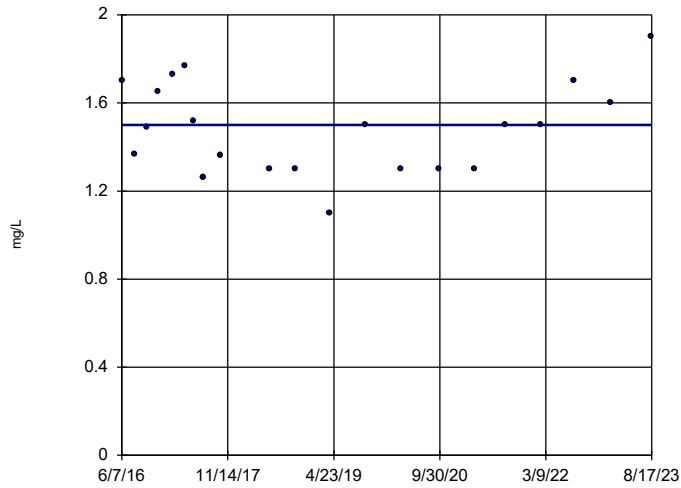


n = 14
 Slope = 0.1655 units per year.
 Mann-Kendall statistic = 34
 critical = 48
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-16

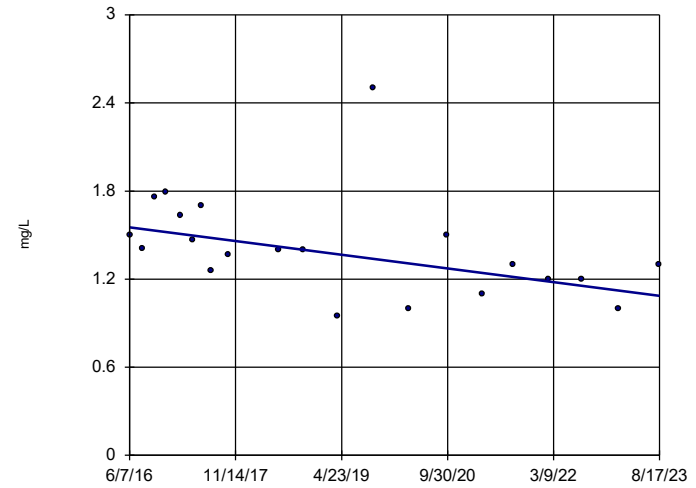


n = 21
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 2
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-17

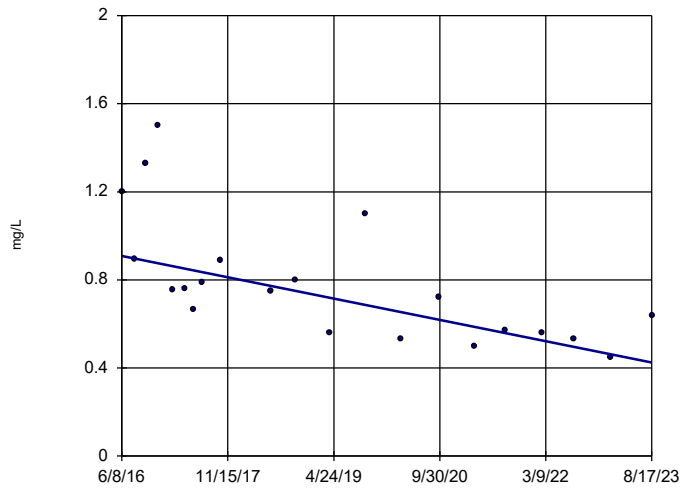


n = 21
 Slope = -0.06493
 units per year.
 Mann-Kendall
 statistic = -89
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-18

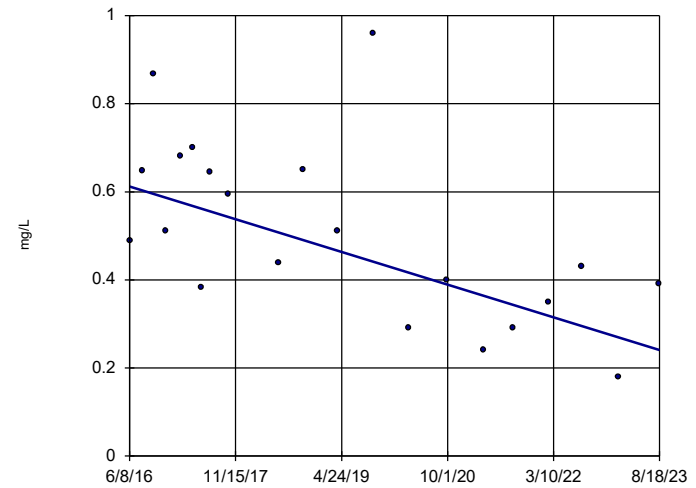


n = 21
 Slope = -0.06733
 units per year.
 Mann-Kendall
 statistic = -120
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-19

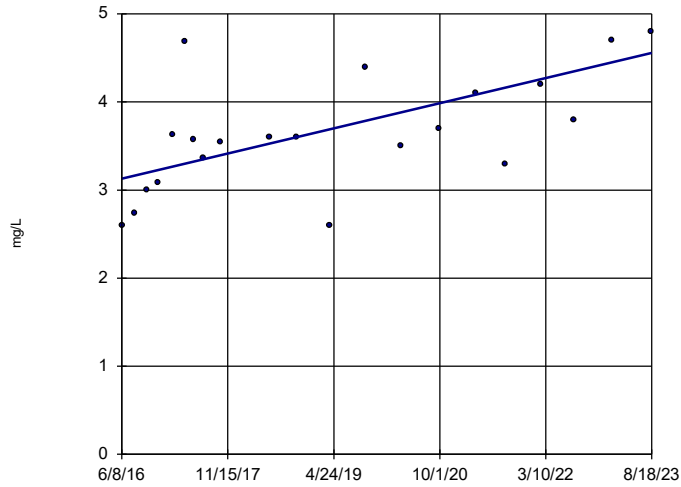


n = 21
 Slope = -0.05163
 units per year.
 Mann-Kendall
 statistic = -92
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-20

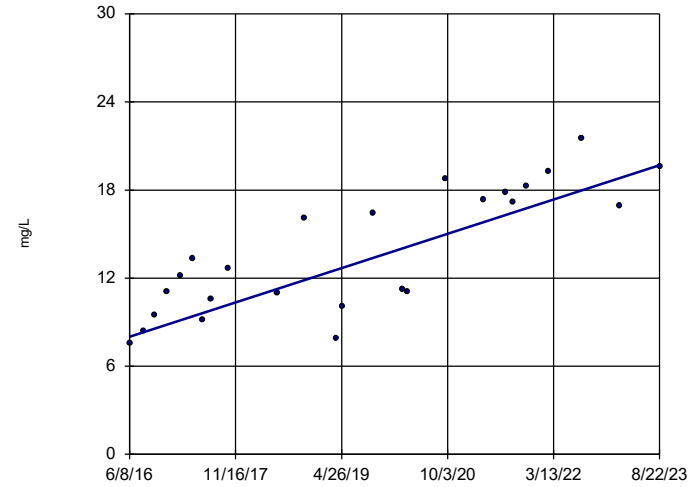


n = 21
 Slope = 0.1986
 units per year.
 Mann-Kendall
 statistic = 106
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

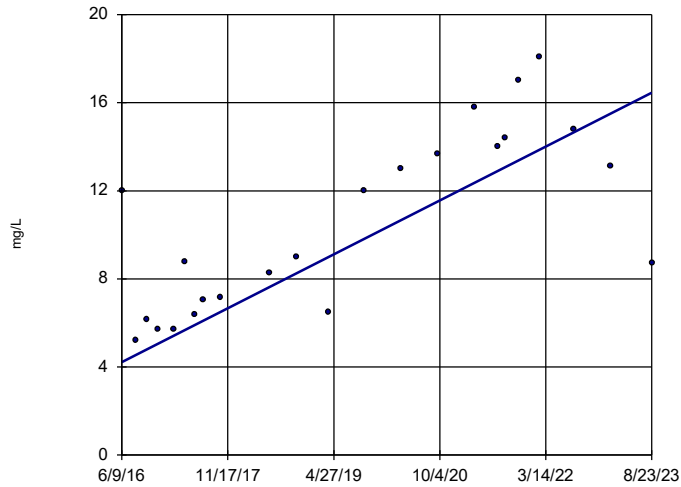


n = 25
 Slope = 1.62
 units per year.
 Mann-Kendall
 statistic = 191
 critical = 111
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-23

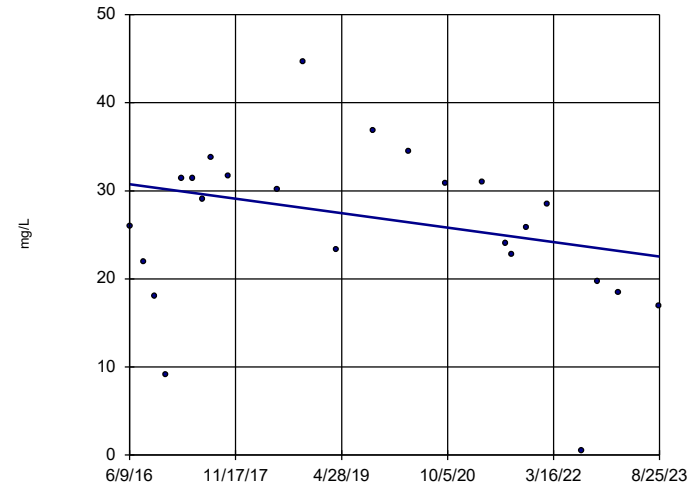


n = 23
 Slope = 1.698
 units per year.
 Mann-Kendall
 statistic = 157
 critical = 98
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-24

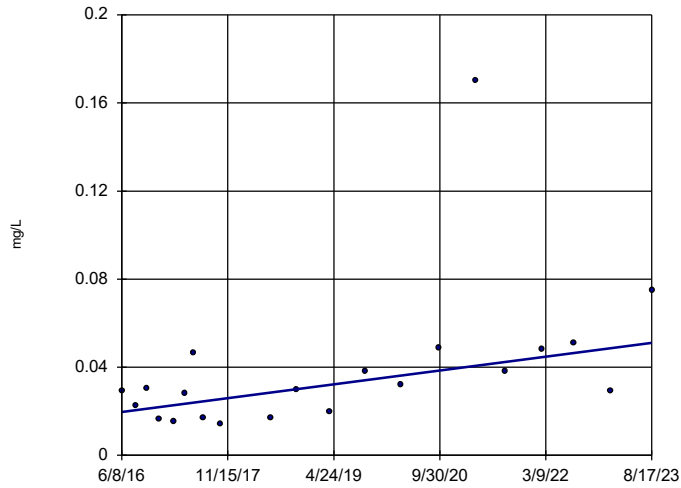


n = 24
 Slope = -1.136
 units per year.
 Mann-Kendall
 statistic = -55
 critical = -105
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

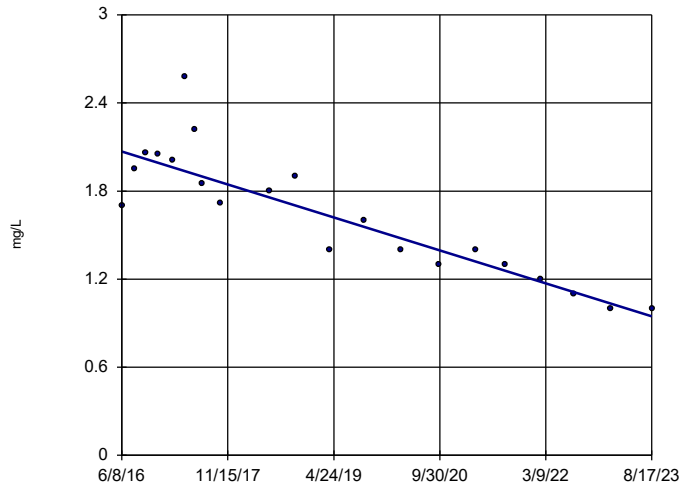
Sen's Slope Estimator

BGWC-25



Sen's Slope Estimator

BGWC-7

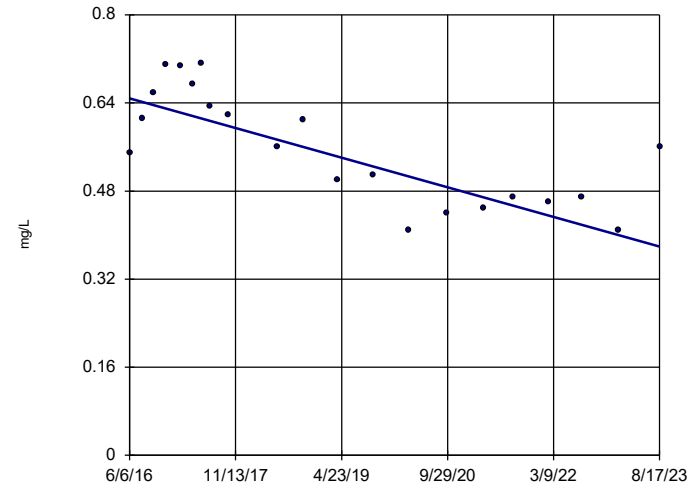


n = 21
 Slope = -0.156 units per year.
 Mann-Kendall statistic = -151
 critical = -87
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-9

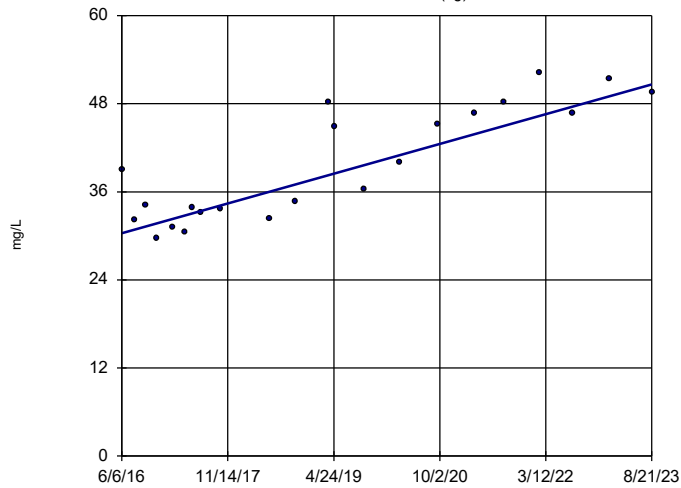


n = 21
 Slope = -0.03744 units per year.
 Mann-Kendall statistic = -109
 critical = -87
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-2 (bg)

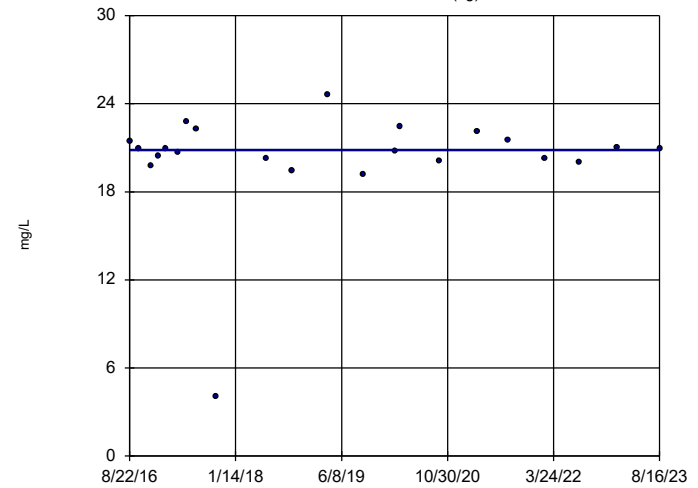


n = 22
 Slope = 2.813 units per year.
 Mann-Kendall statistic = 150
 critical = 92
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-29 (bg)

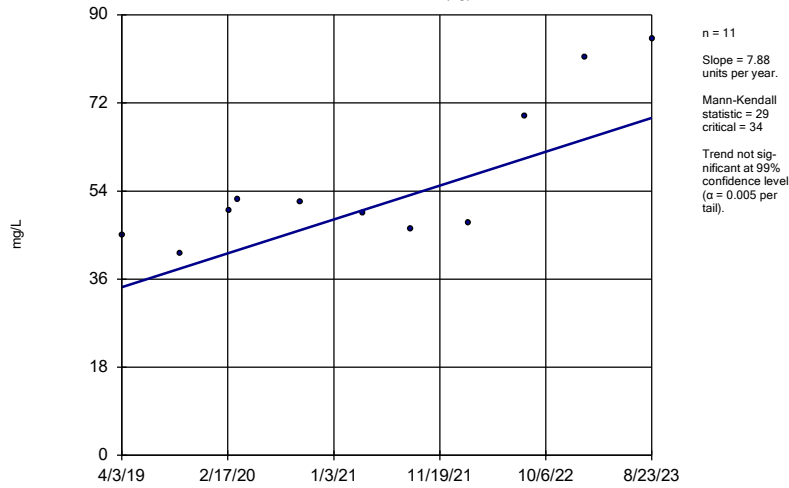


n = 22
 Slope = 0 units per year.
 Mann-Kendall statistic = -3
 critical = -92
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

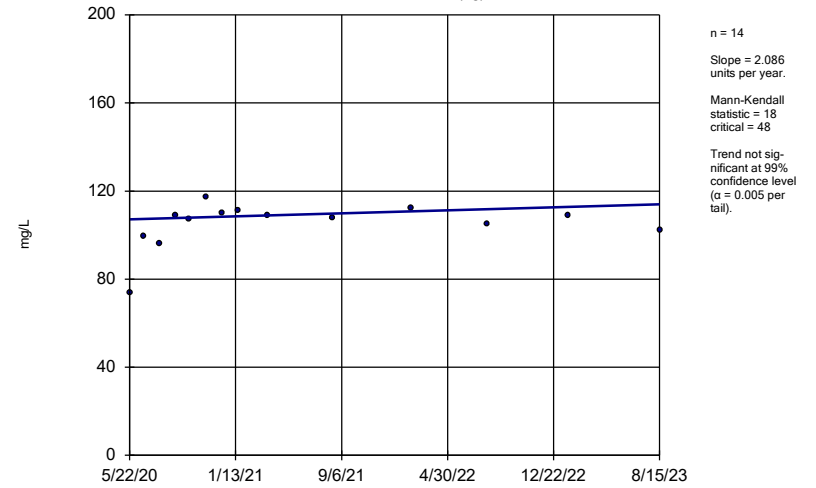
BGWA-33 (bg)



Constituent: Calcium Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

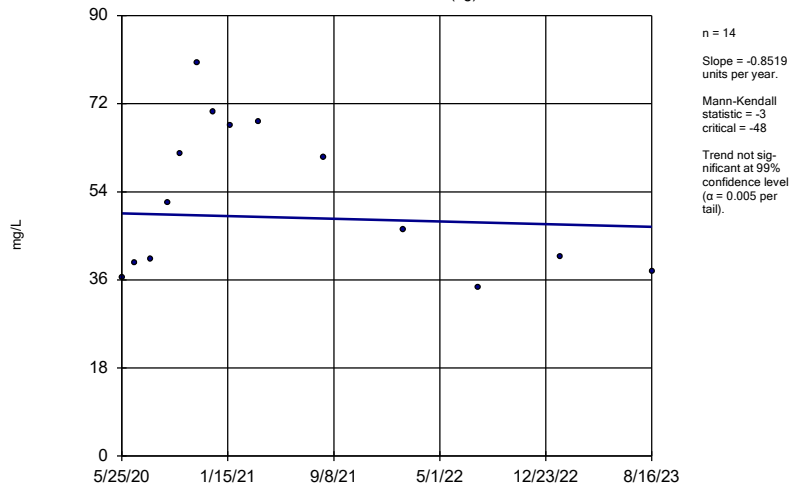
BGWA-47D (bg)



Constituent: Calcium Analysis Run 11/21/2023 4:33 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

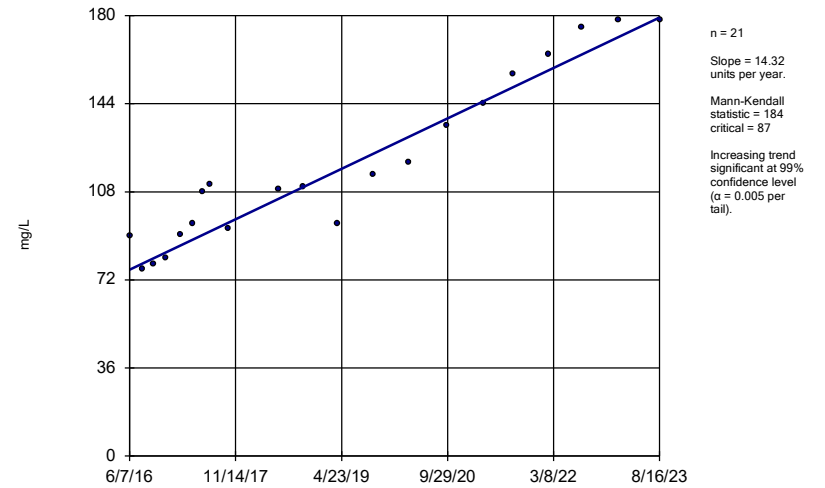
BGWA-48D (bg)



Constituent: Calcium Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

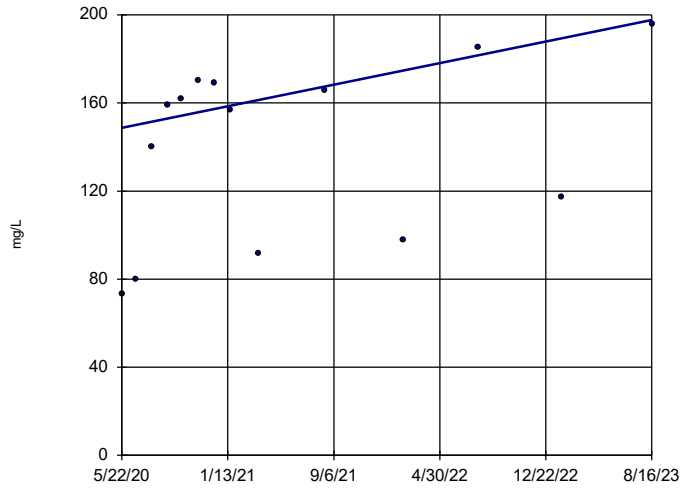
BGWC-12



Constituent: Calcium Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-14A

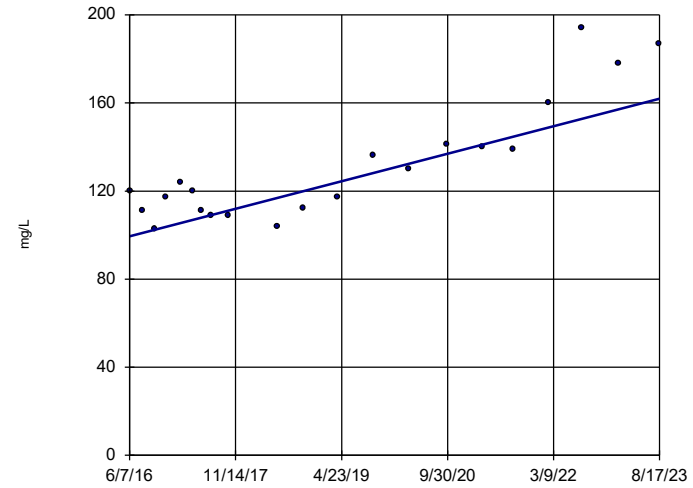


n = 14
 Slope = 15.18
 units per year.
 Mann-Kendall
 statistic = 35
 critical = 48
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-16

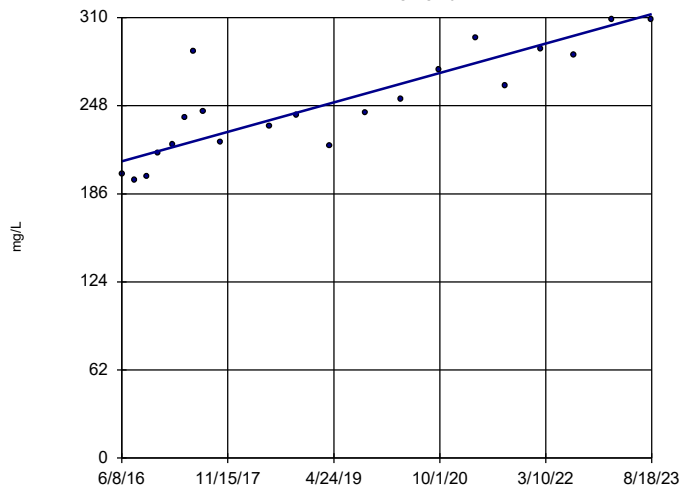


n = 21
 Slope = 8.673
 units per year.
 Mann-Kendall
 statistic = 122
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-20

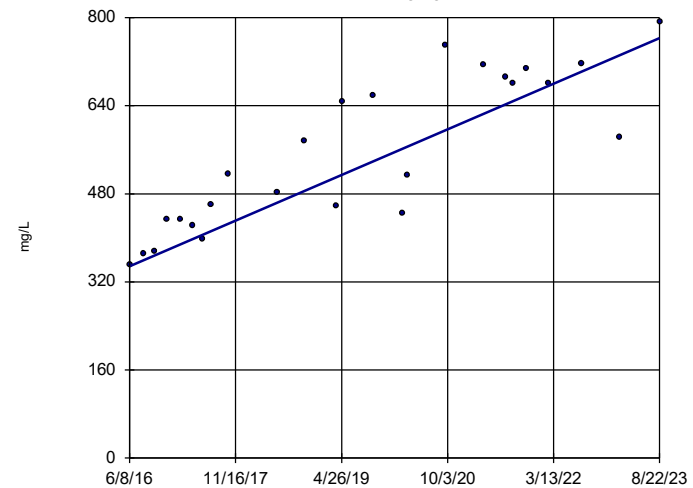


n = 21
 Slope = 14.42
 units per year.
 Mann-Kendall
 statistic = 151
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

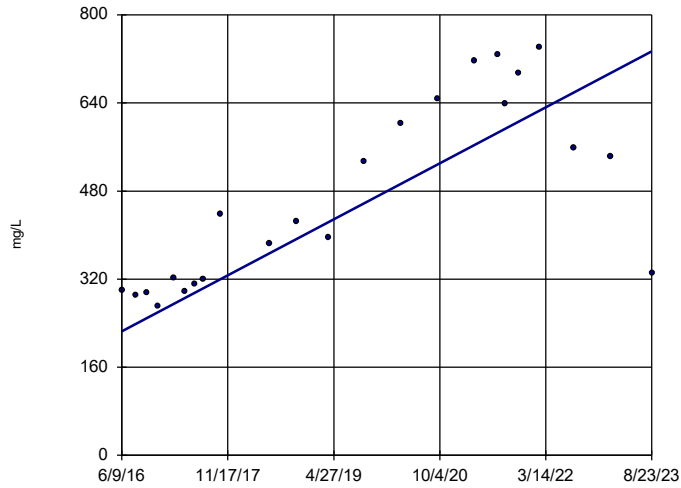


n = 25
 Slope = 57.52
 units per year.
 Mann-Kendall
 statistic = 211
 critical = 111
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-23

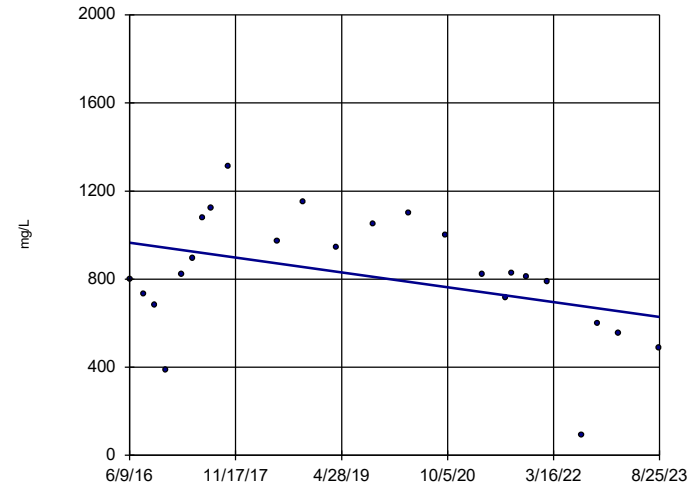


n = 23
 Slope = 70.58 units per year.
 Mann-Kendall statistic = 159
 critical = 98
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-24

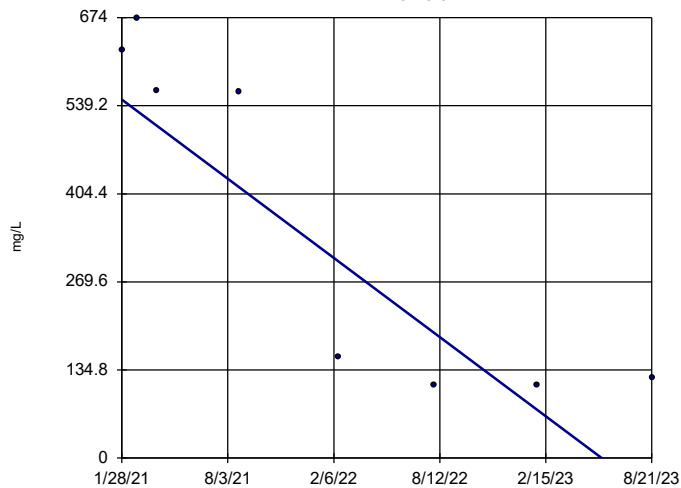


n = 24
 Slope = -46.67 units per year.
 Mann-Kendall statistic = -66
 critical = -105
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-51

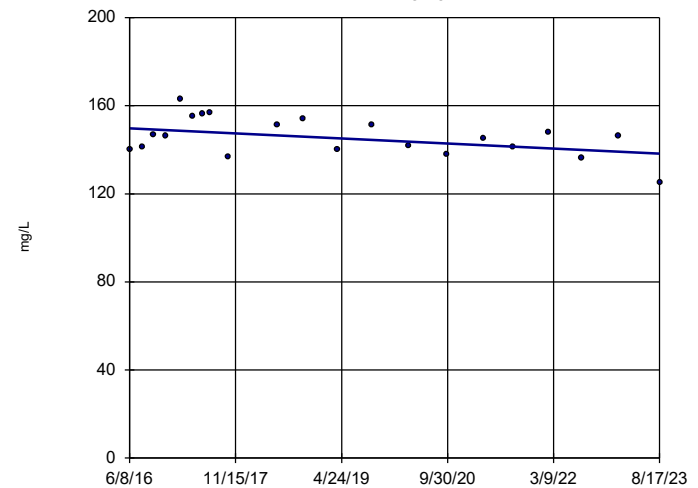


n = 8
 Slope = -236.4 units per year.
 Mann-Kendall statistic = -22
 critical = -21
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-7

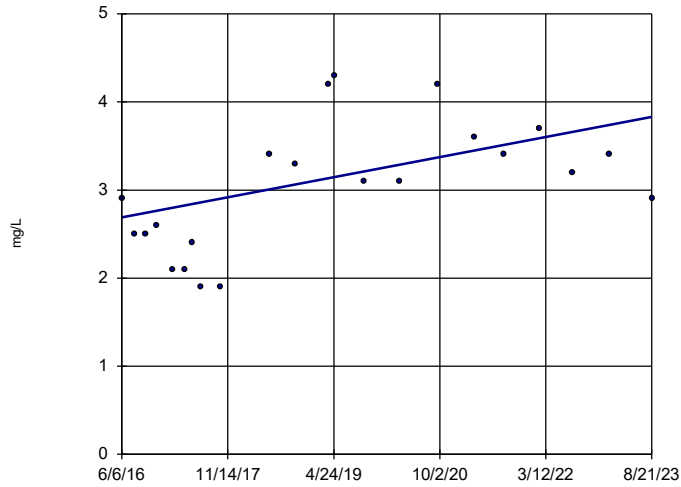


n = 21
 Slope = -1.6 units per year.
 Mann-Kendall statistic = -54
 critical = -87
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

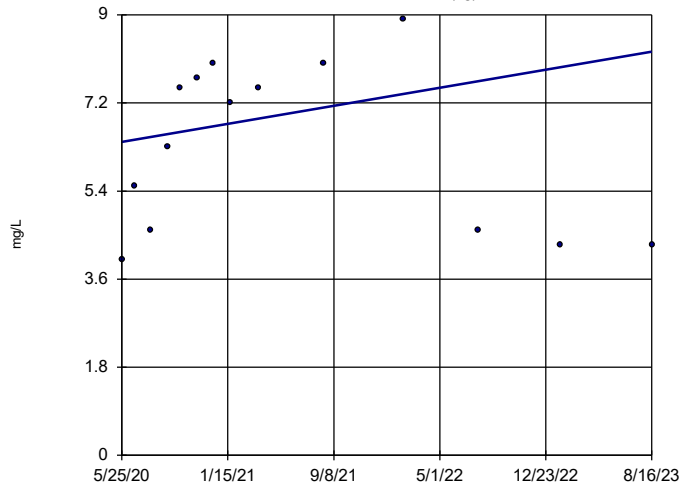
Sen's Slope Estimator

BGWA-2 (bg)



Sen's Slope Estimator

BGWA-48D (bg)

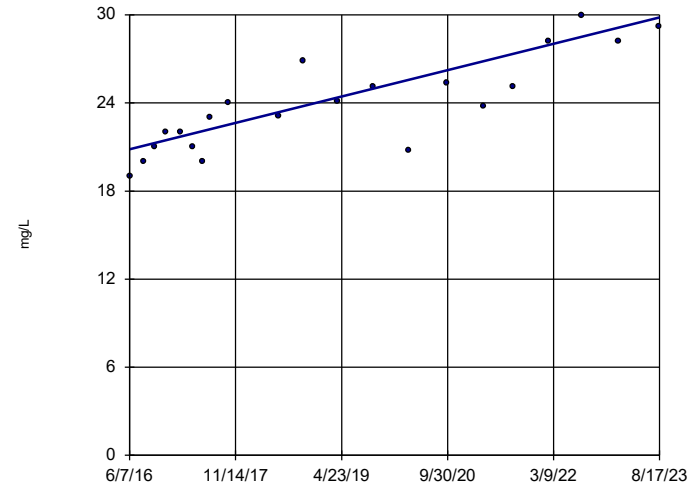


n = 14
 Slope = 0.5721
 units per year.
 Mann-Kendall
 statistic = 13
 critical = 48
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-10

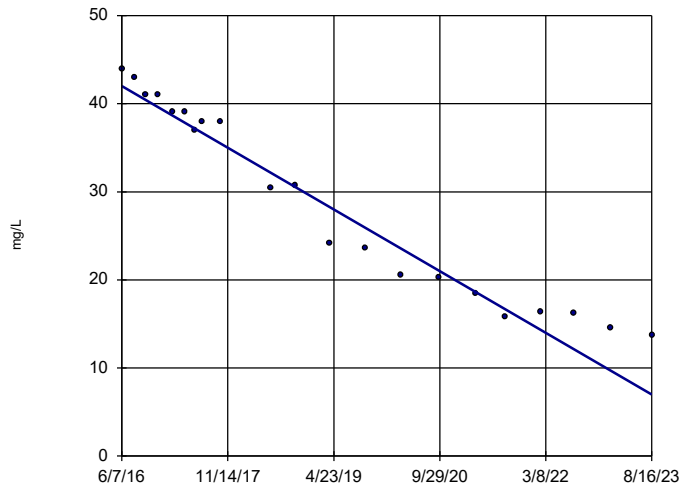


n = 21
 Slope = 1.247
 units per year.
 Mann-Kendall
 statistic = 147
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-12

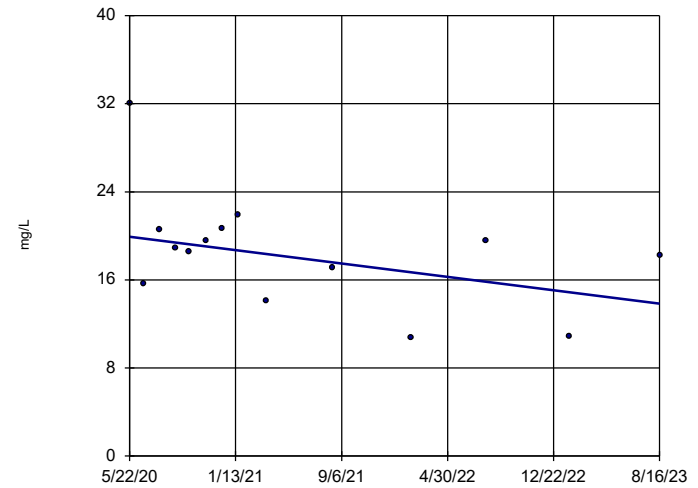


n = 21
 Slope = -4.868
 units per year.
 Mann-Kendall
 statistic = -197
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-14A

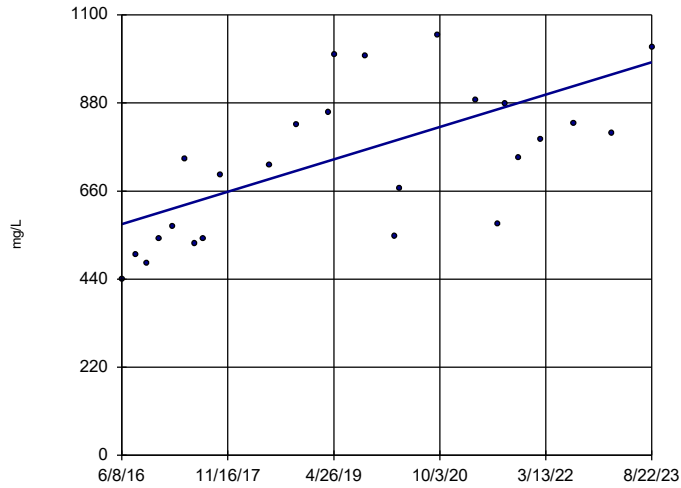


n = 14
 Slope = -1.877
 units per year.
 Mann-Kendall
 statistic = -28
 critical = -48
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

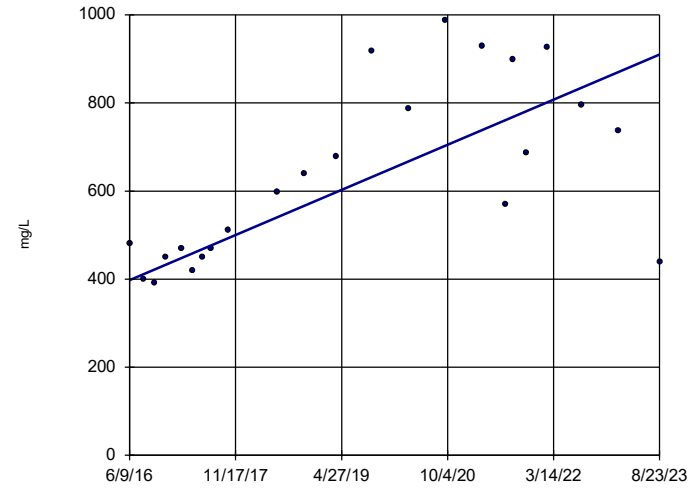


n = 25
 Slope = 56.05
 units per year.
 Mann-Kendall
 statistic = 159
 critical = 111
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-23

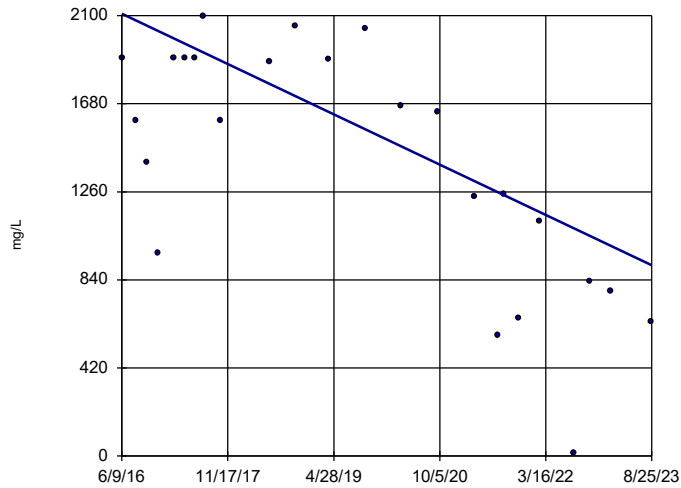


n = 23
 Slope = 71.1
 units per year.
 Mann-Kendall
 statistic = 129
 critical = 98
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-24

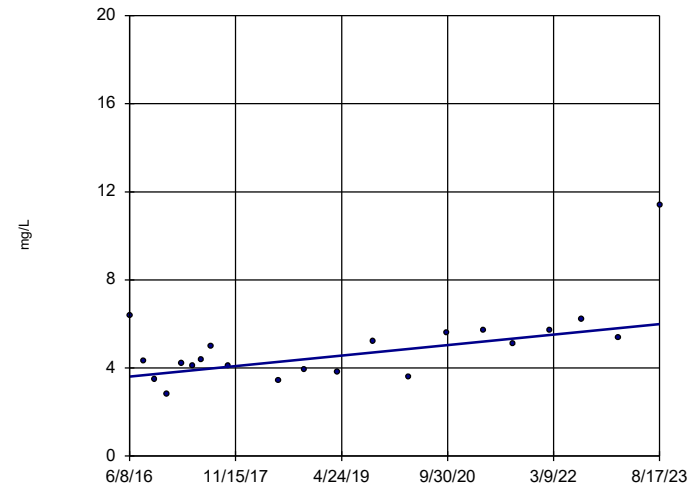


n = 24
 Slope = -166.2
 units per year.
 Mann-Kendall
 statistic = -129
 critical = -105
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-25

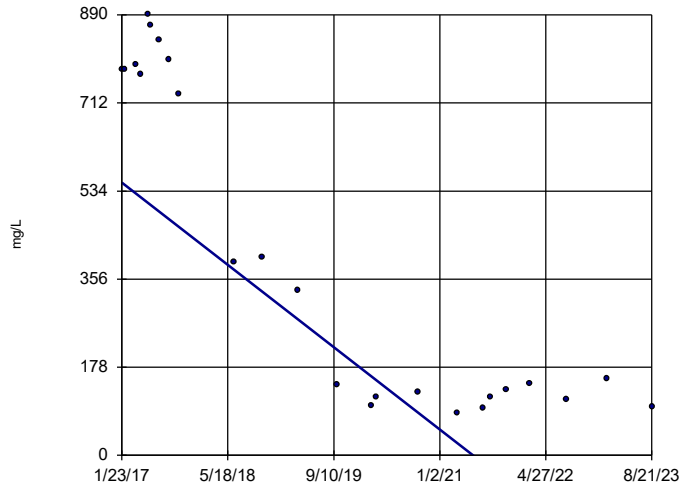


n = 21
 Slope = 0.3302
 units per year.
 Mann-Kendall
 statistic = 78
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-30

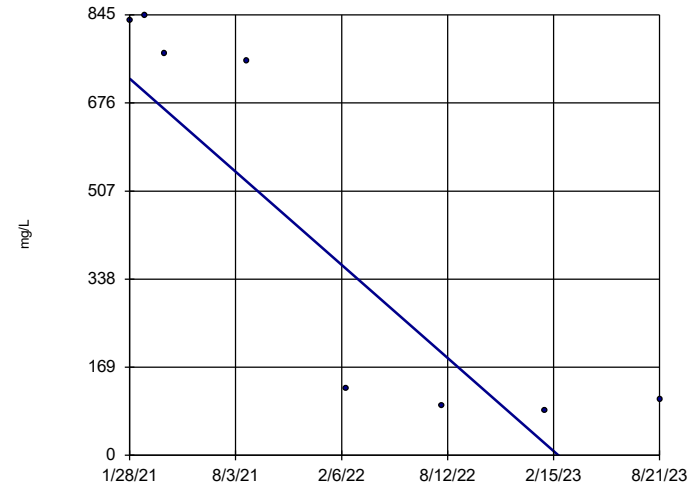


n = 24
 Slope = -126.4
 units per year.
 Mann-Kendall
 statistic = -164
 critical = -105
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-51

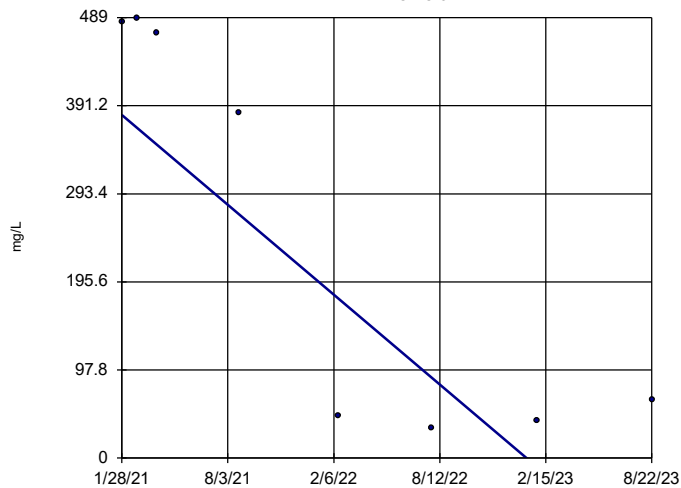


n = 8
 Slope = -348.9
 units per year.
 Mann-Kendall
 statistic = -22
 critical = -21
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-52

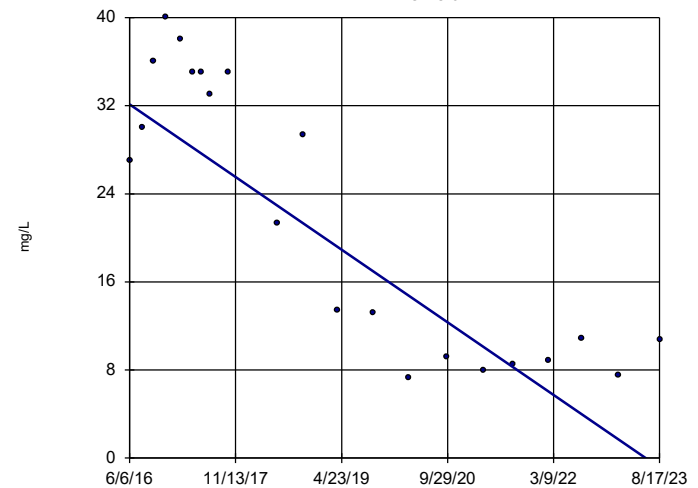


n = 8
 Slope = -194.5
 units per year.
 Mann-Kendall
 statistic = -18
 critical = -21
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-9

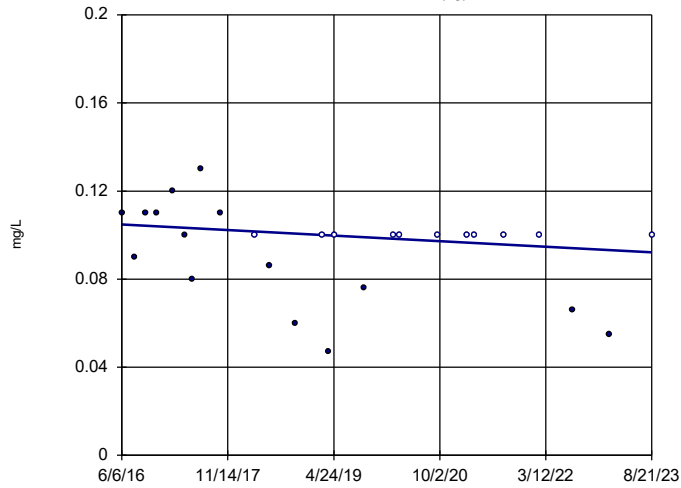


n = 21
 Slope = -4.582
 units per year.
 Mann-Kendall
 statistic = -129
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Chloride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

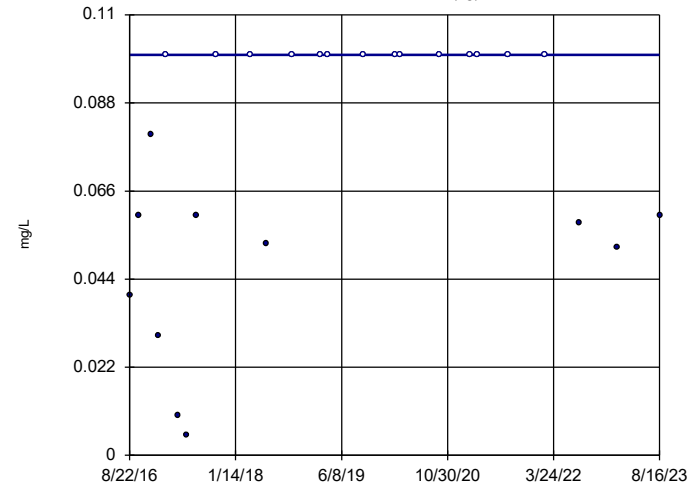
BGWA-2 (bg)



Constituent: Fluoride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

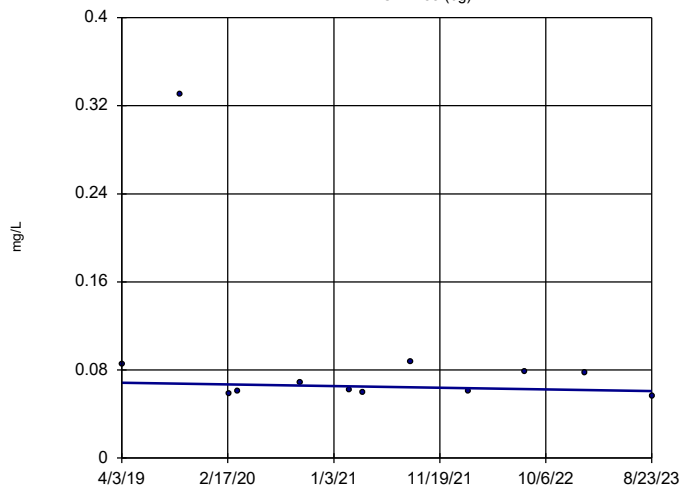
BGWA-29 (bg)



Constituent: Fluoride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

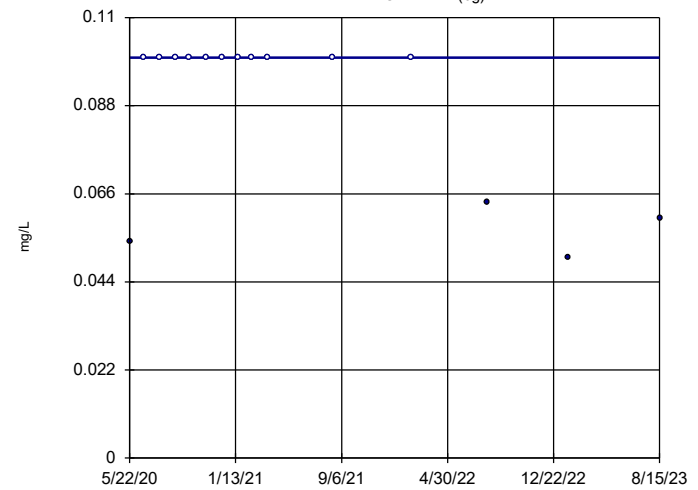
BGWA-33 (bg)



Constituent: Fluoride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

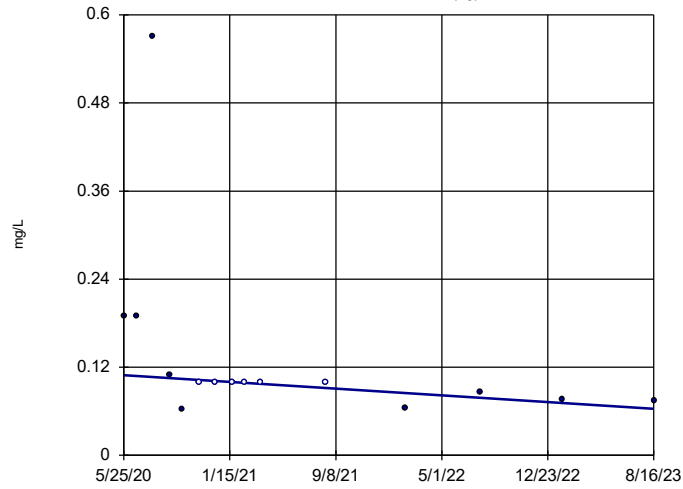
BGWA-47D (bg)



Constituent: Fluoride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

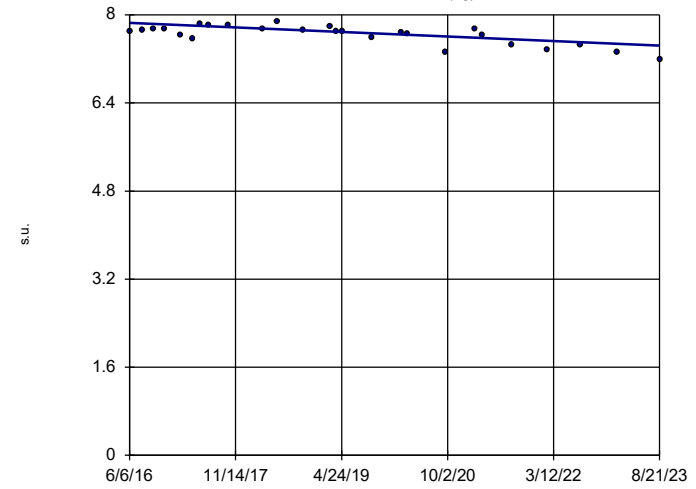


n = 15
 Slope = -0.01422
 units per year.
 Mann-Kendall
 statistic = -59
 critical = -53
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Fluoride Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-2 (bg)

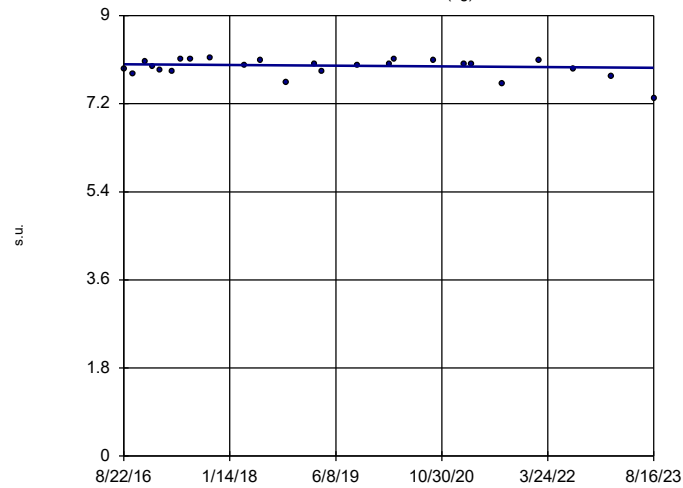


n = 26
 Slope = -0.05727
 units per year.
 Mann-Kendall
 statistic = -152
 critical = -118
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-29 (bg)

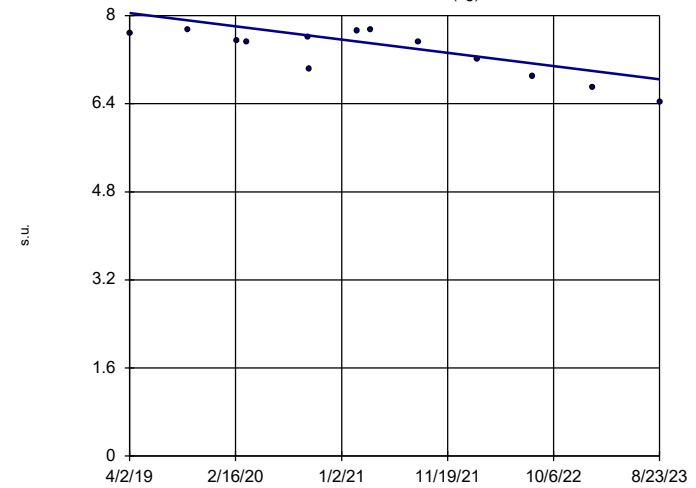


n = 25
 Slope = -0.009636
 units per year.
 Mann-Kendall
 statistic = -26
 critical = -111
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-33 (bg)

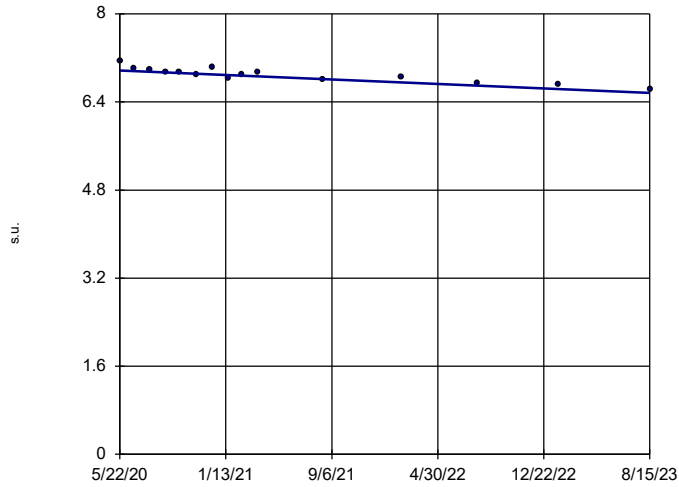


n = 13
 Slope = -0.2748
 units per year.
 Mann-Kendall
 statistic = -45
 critical = -43
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

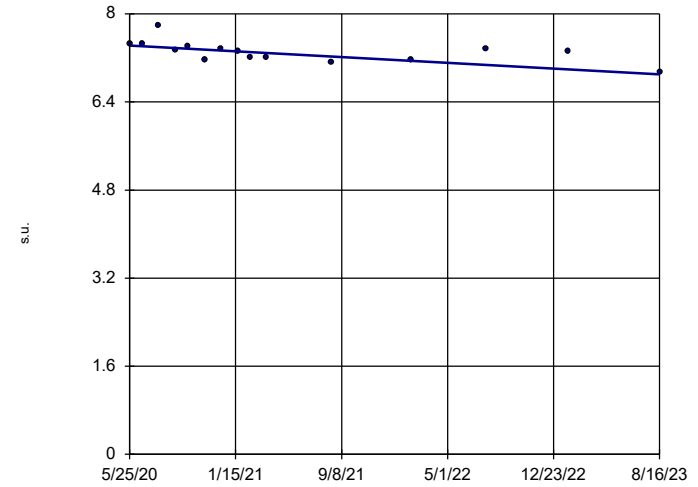


n = 15
 Slope = -0.1259
 units per year.
 Mann-Kendall
 statistic = -81
 critical = -53
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

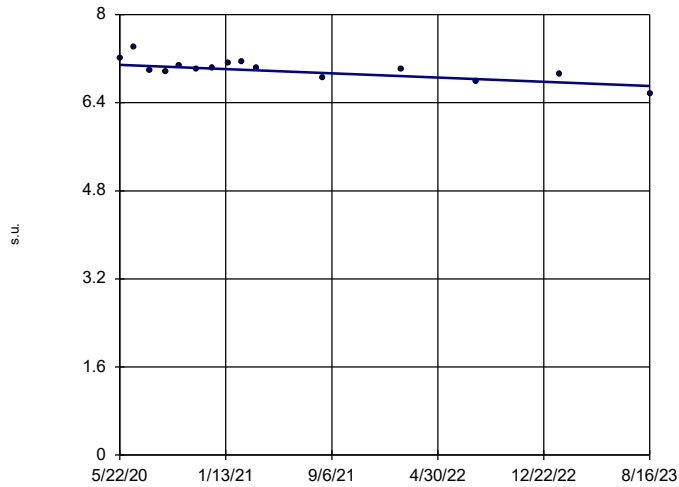


n = 15
 Slope = -0.1622
 units per year.
 Mann-Kendall
 statistic = -56
 critical = -53
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-14A

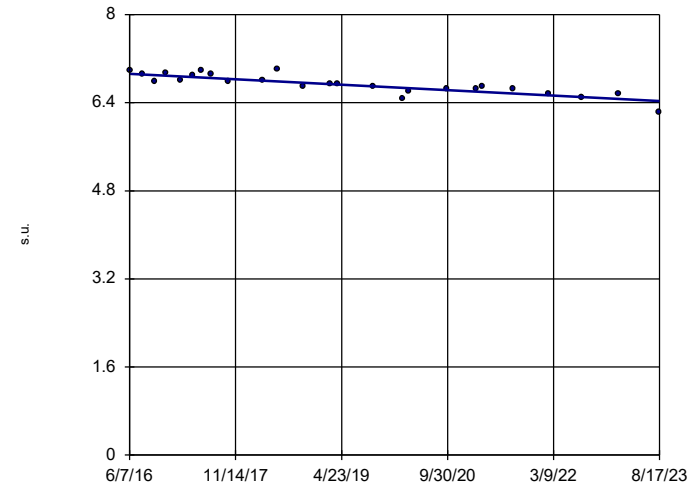


n = 15
 Slope = -0.1202
 units per year.
 Mann-Kendall
 statistic = -47
 critical = -53
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-16

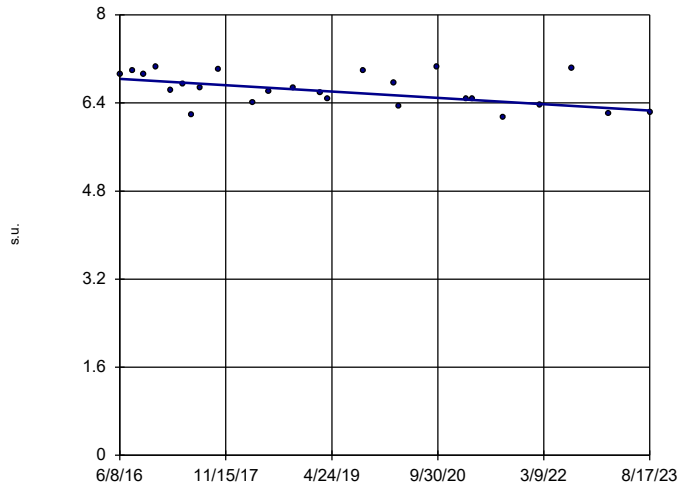


n = 25
 Slope = -0.06875
 units per year.
 Mann-Kendall
 statistic = -204
 critical = -111
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

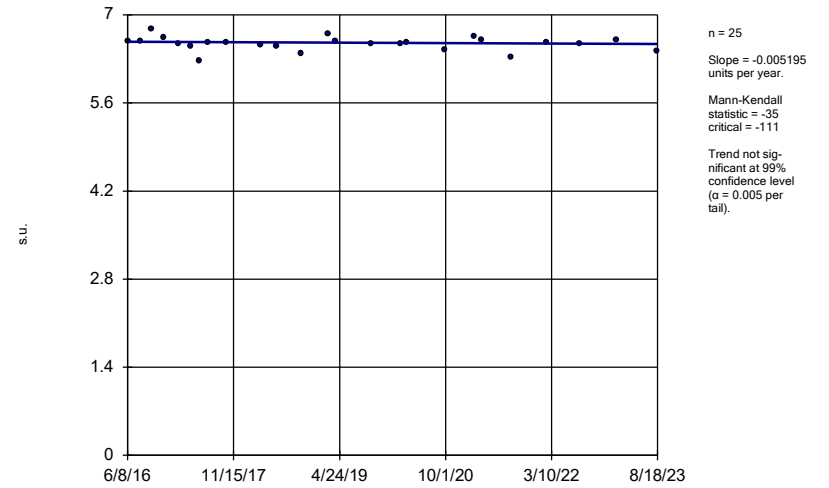
BGWC-18



Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

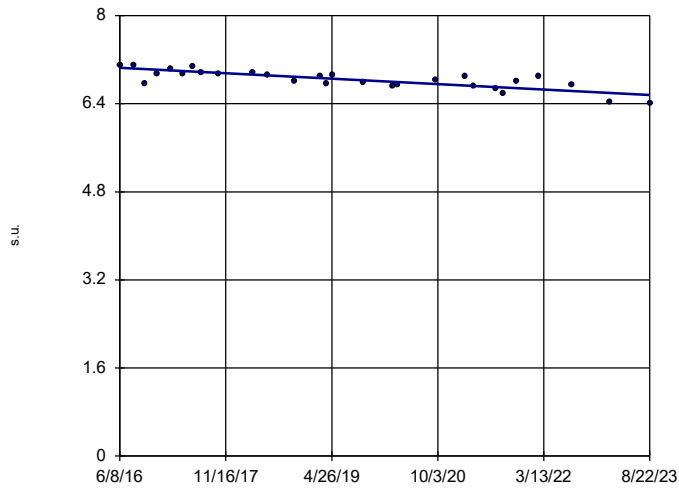
BGWC-19



Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

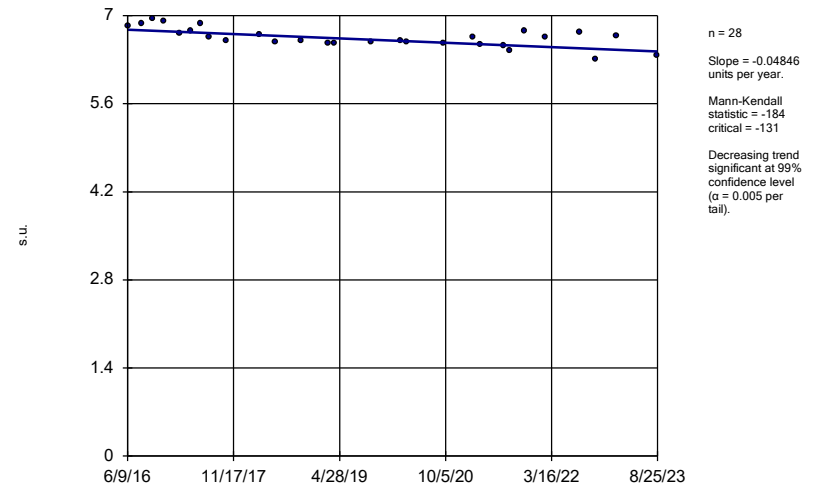
BGWC-22



Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

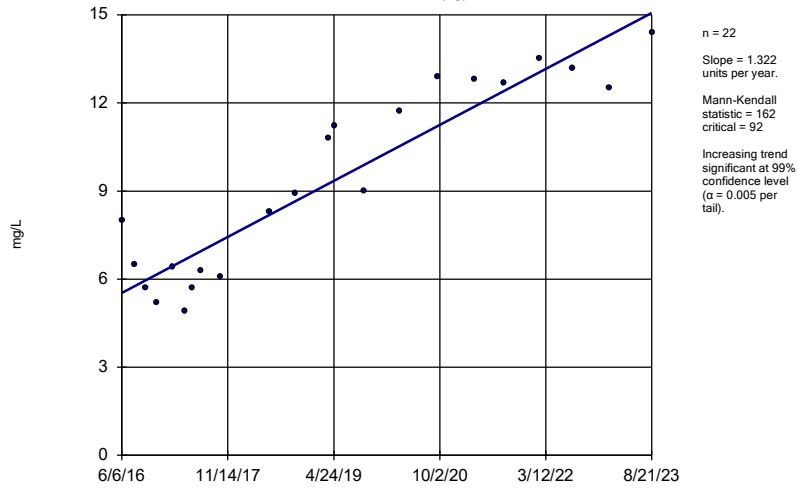
BGWC-24



Constituent: pH Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

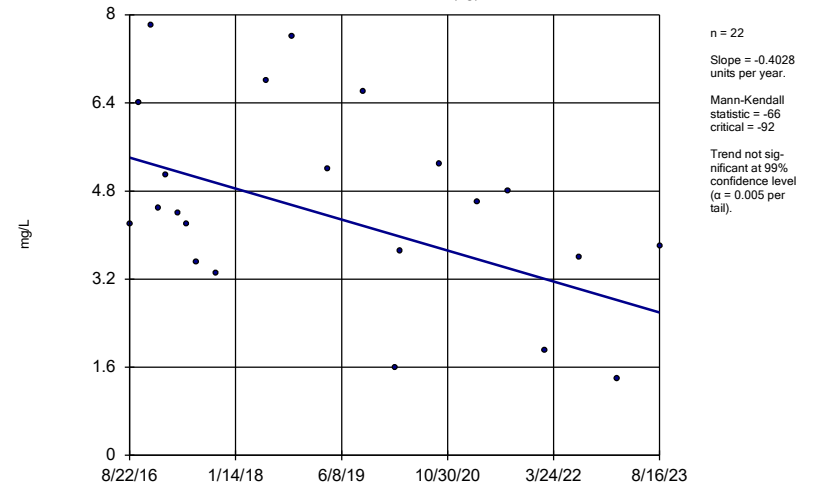
BGWA-2 (bg)



Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

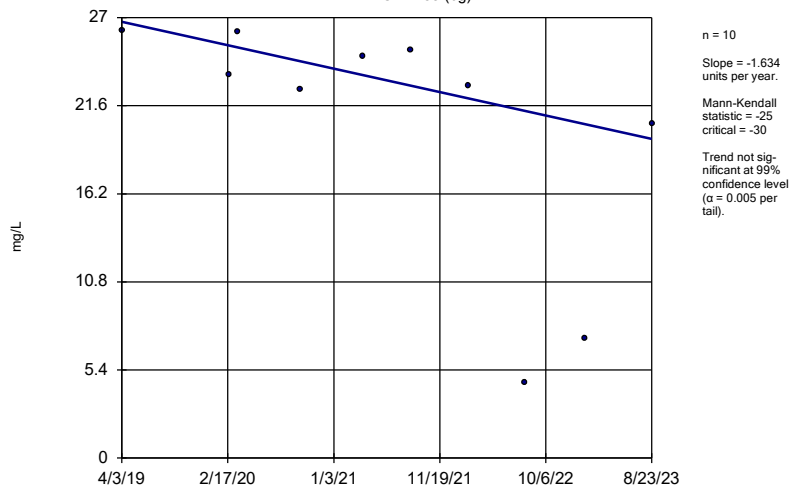
BGWA-29 (bg)



Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

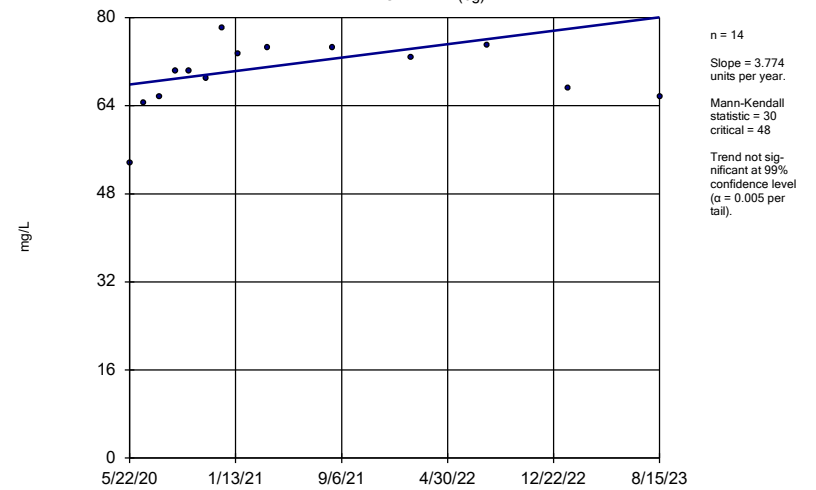
BGWA-33 (bg)



Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

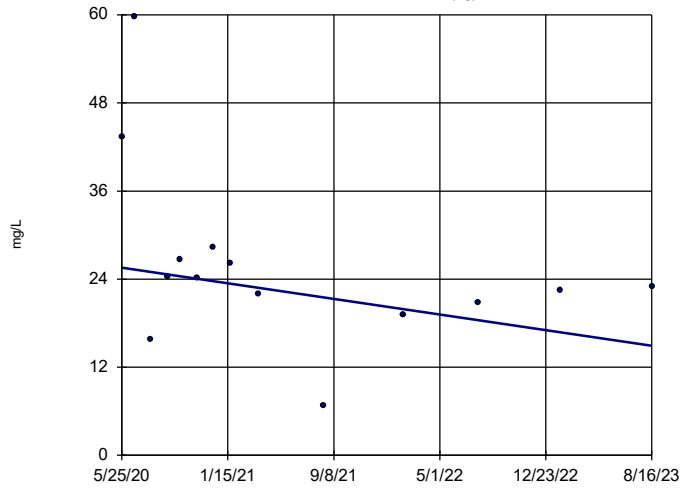
BGWA-47D (bg)



Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

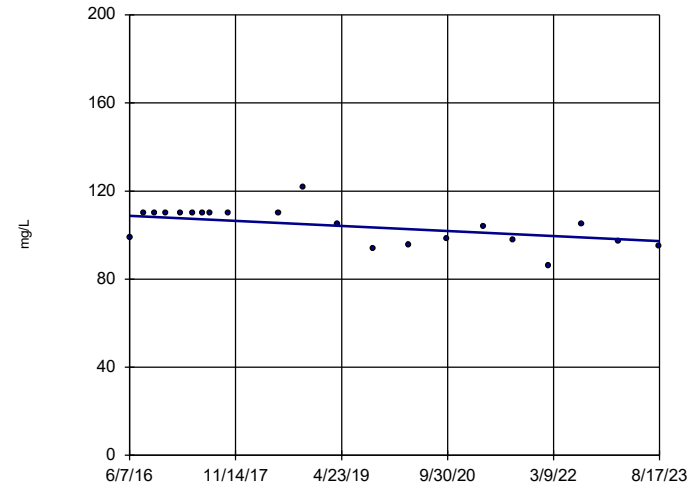


n = 14
 Slope = -3.298
 units per year.
 Mann-Kendall
 statistic = -33
 critical = -48
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-10

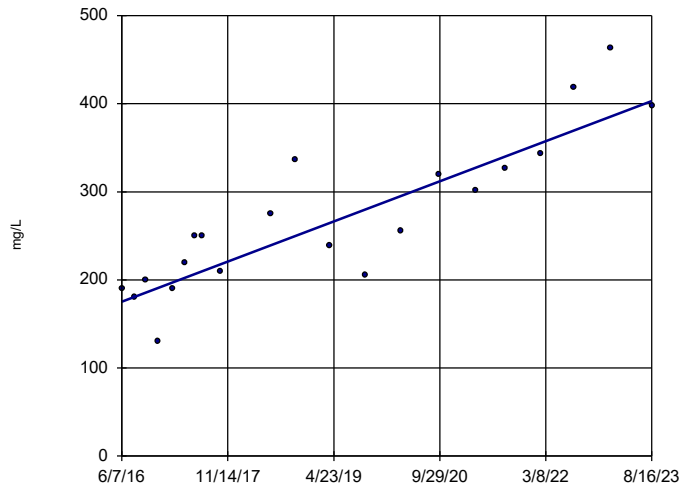


n = 21
 Slope = -1.587
 units per year.
 Mann-Kendall
 statistic = -91
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-12

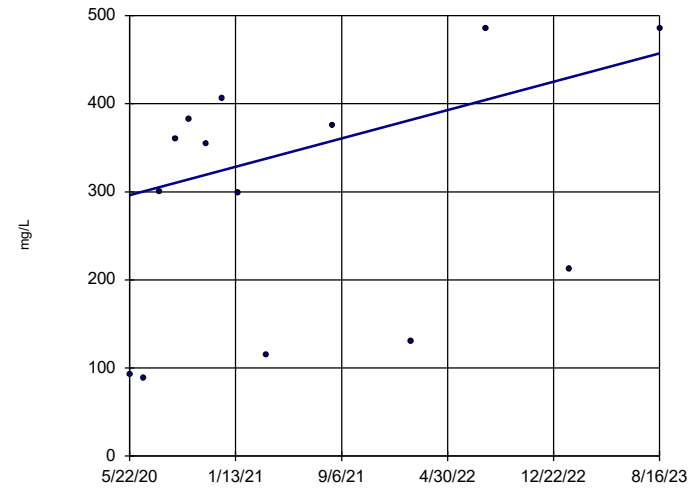


n = 21
 Slope = 31.65
 units per year.
 Mann-Kendall
 statistic = 154
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-14A

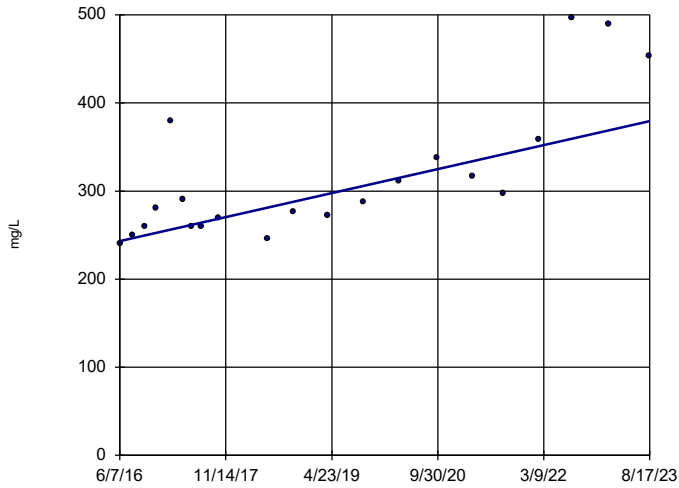


n = 14
 Slope = 49.66
 units per year.
 Mann-Kendall
 statistic = 28
 critical = 48
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

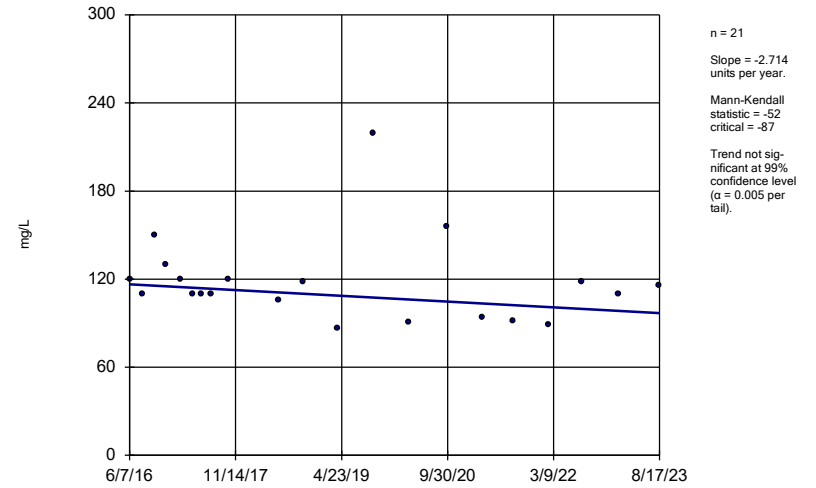
BGWC-16



Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

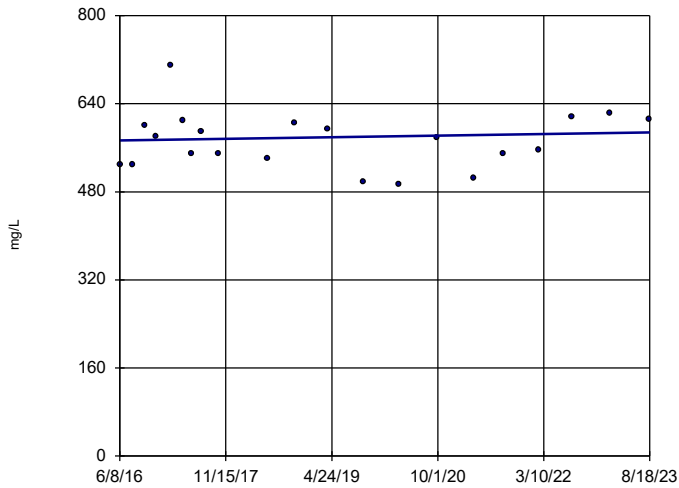
BGWC-17



Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

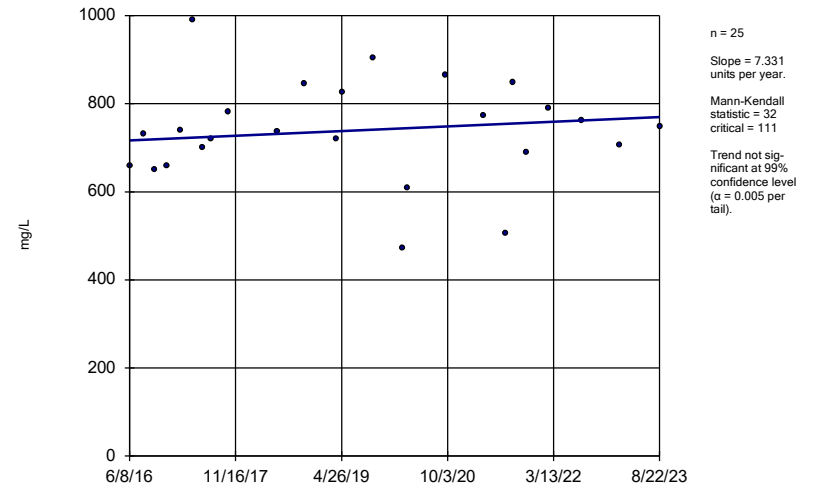
BGWC-20



Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

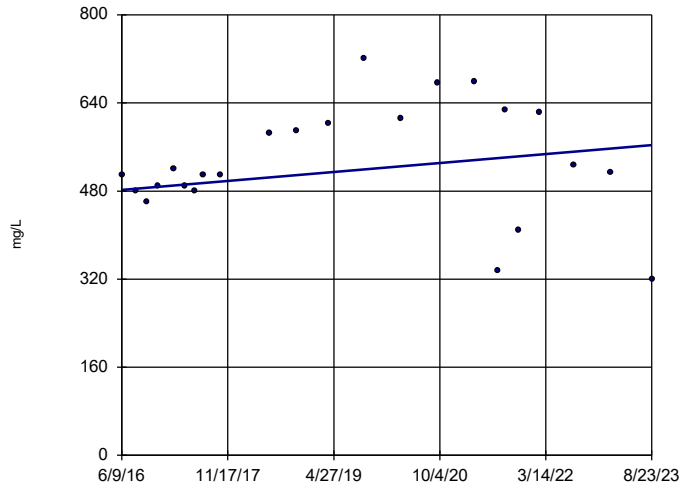
BGWC-22



Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-23

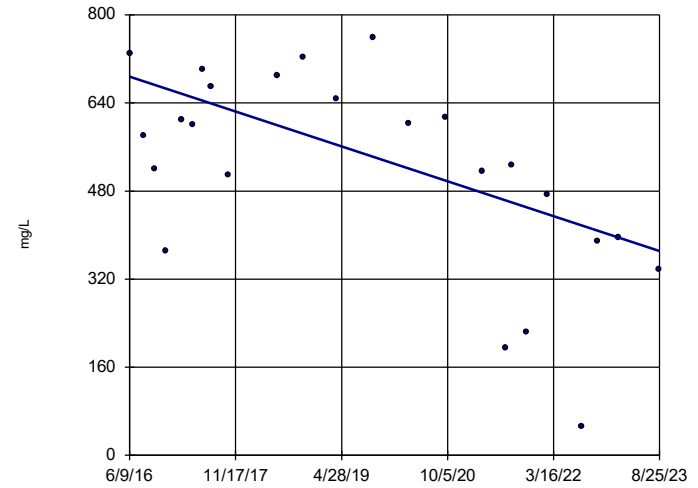


n = 23
 Slope = 11.27 units per year.
 Mann-Kendall statistic = 54
 critical = 98
 Trend not significant at 99% confidence level (alpha = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

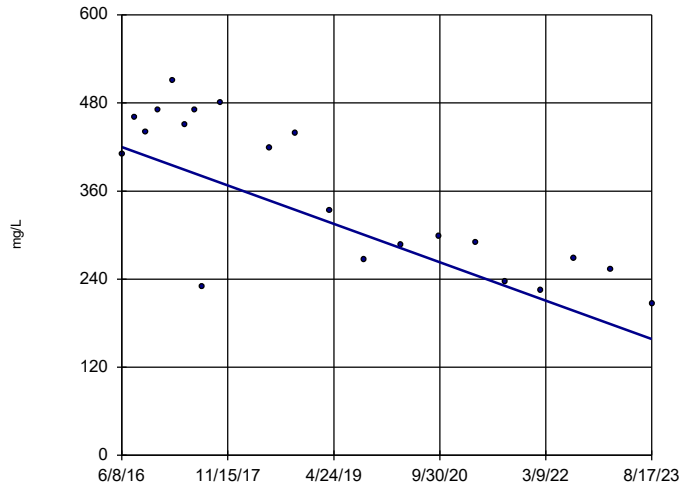
Sen's Slope Estimator

BGWC-24



Sen's Slope Estimator

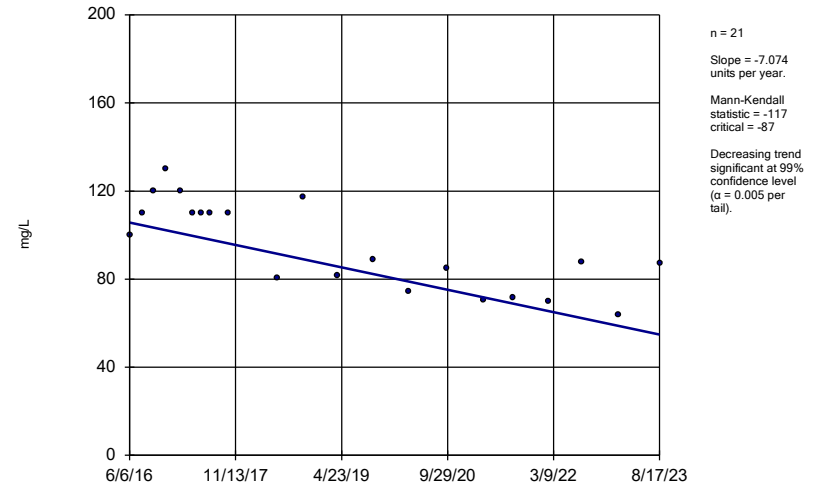
BGWC-7



Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

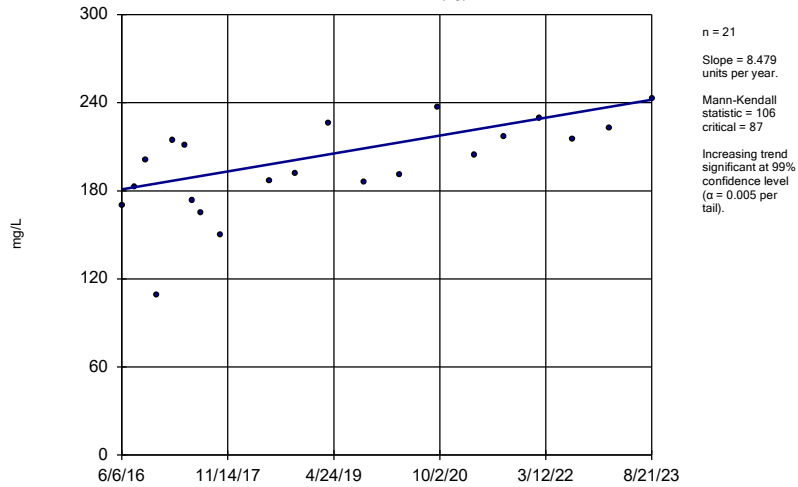
BGWC-9



Constituent: Sulfate Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

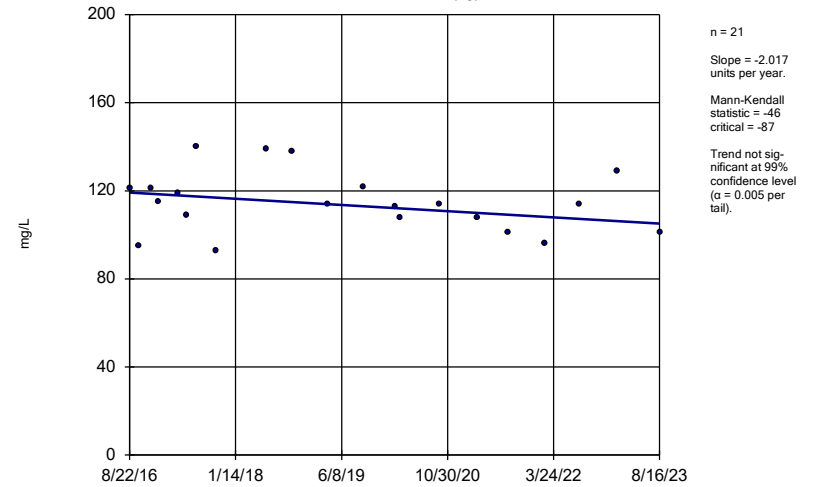
BGWA-2 (bg)



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

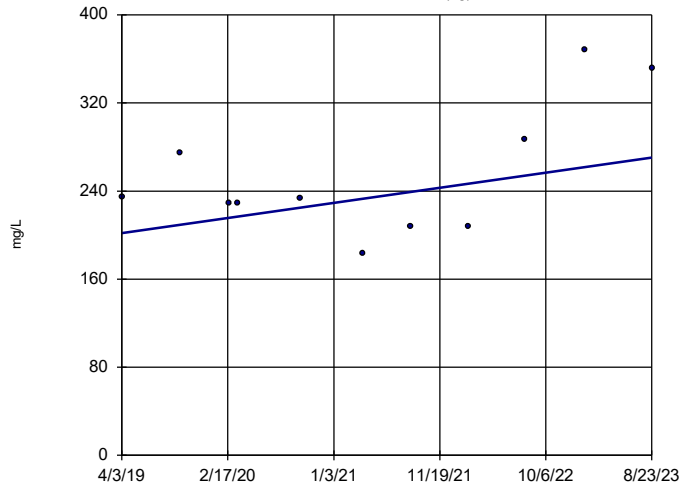
BGWA-29 (bg)



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

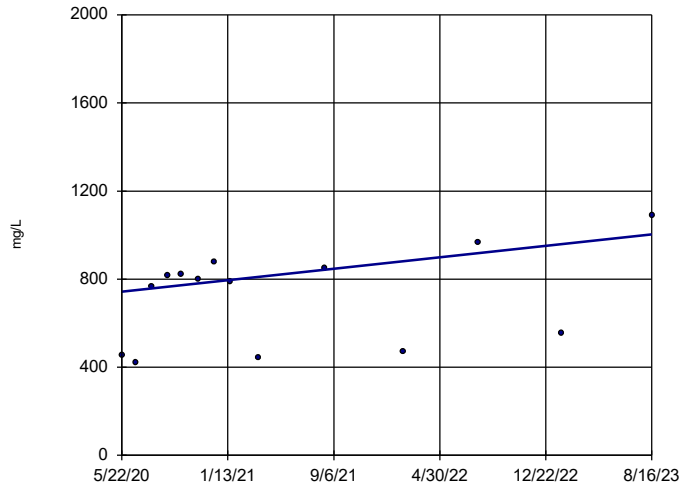
Sen's Slope Estimator

BGWA-33 (bg)



Sen's Slope Estimator

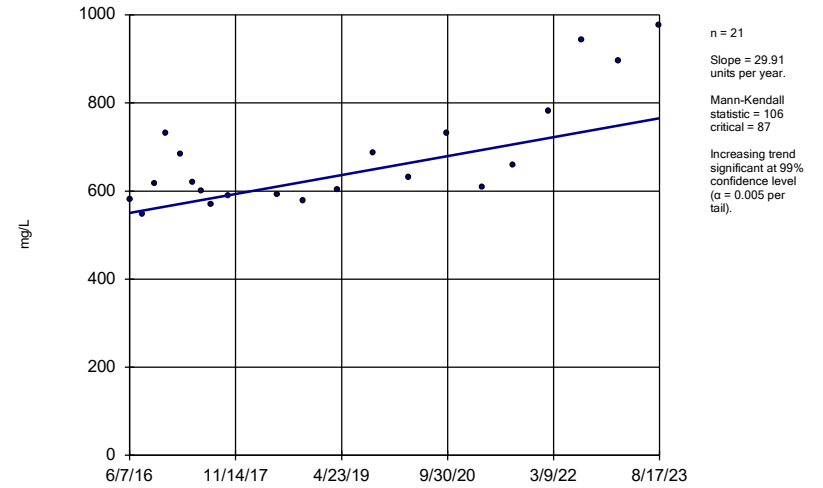
BGWC-14A



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

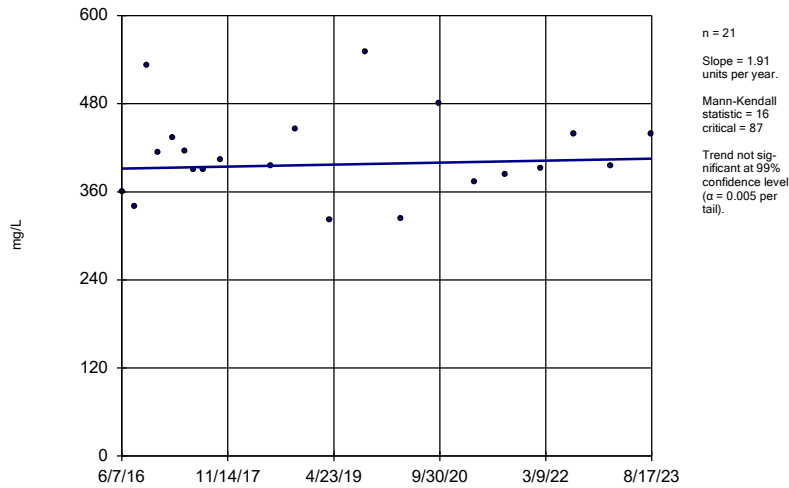
BGWC-16



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

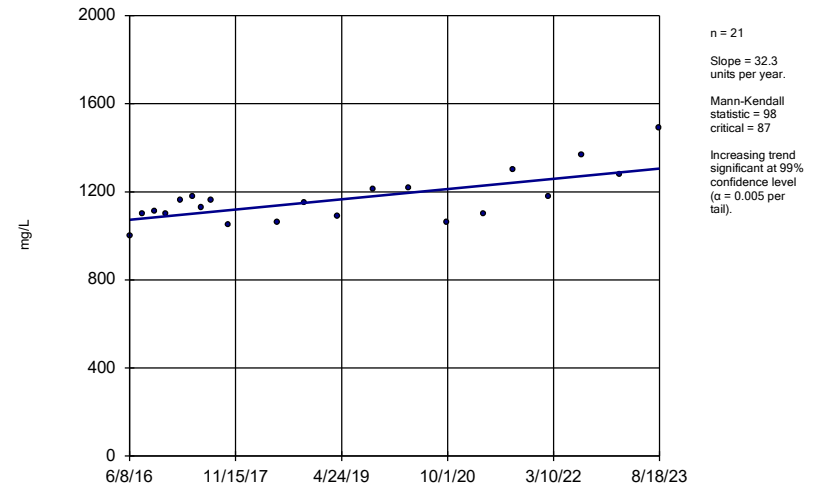
BGWC-17



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

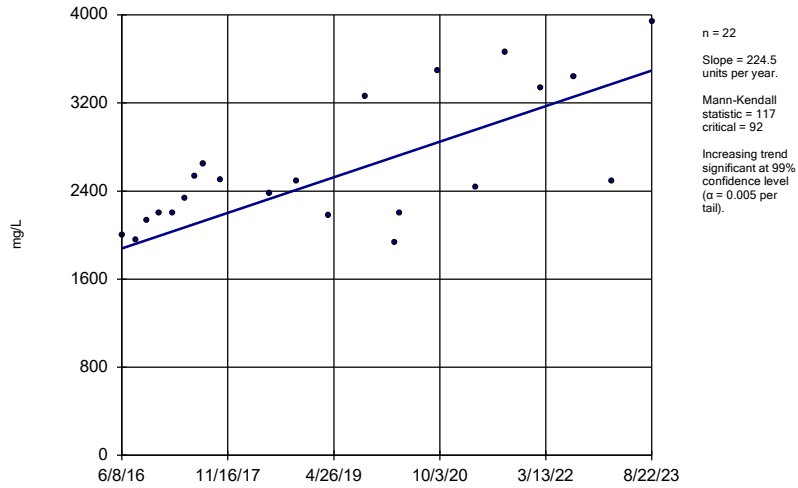
BGWC-20



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

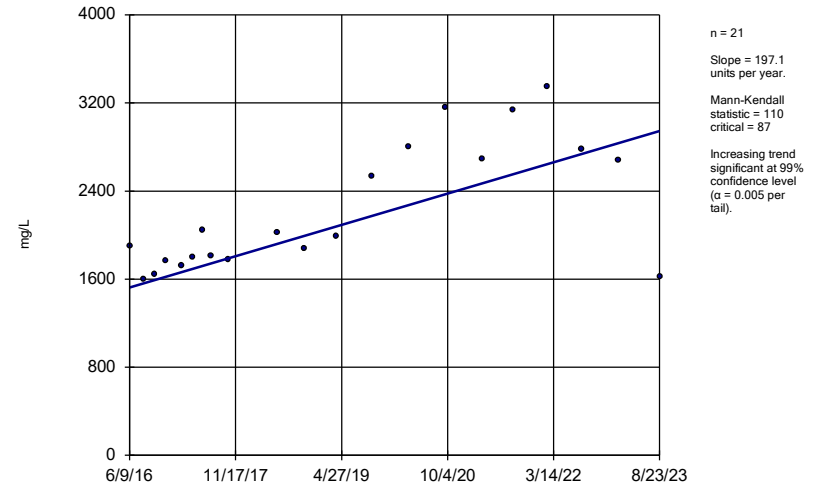
BGWC-22



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

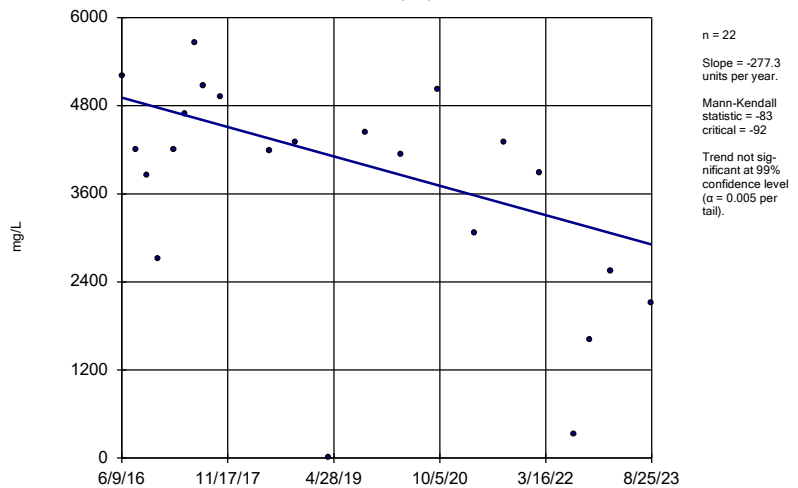
BGWC-23



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

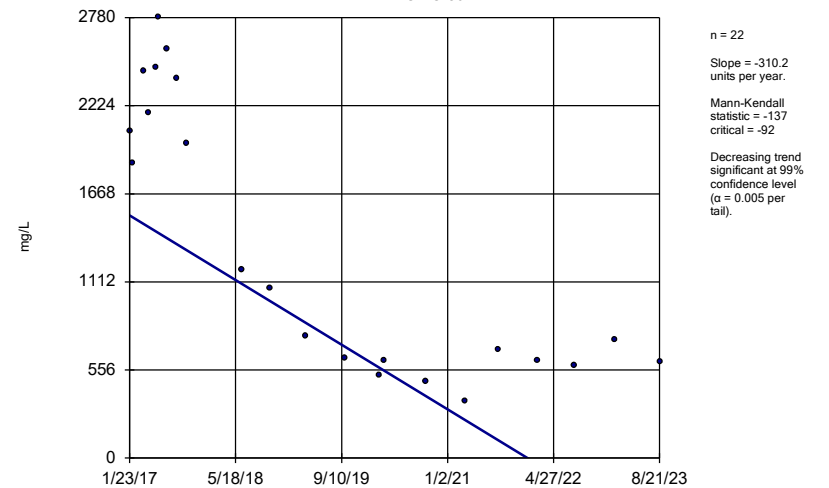
BGWC-24



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

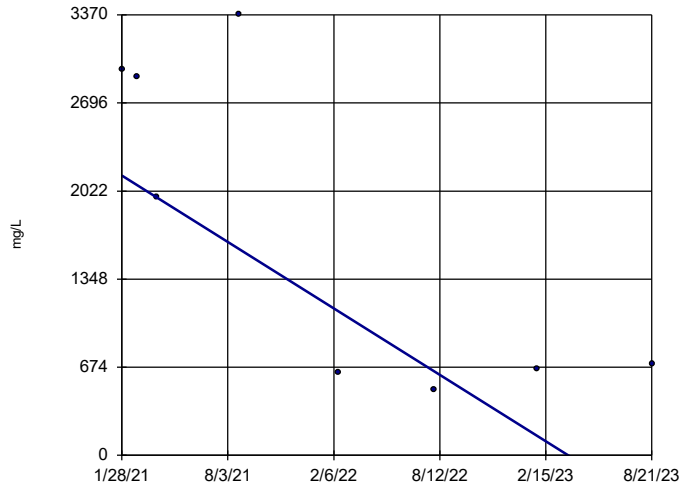
BGWC-30



Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-51

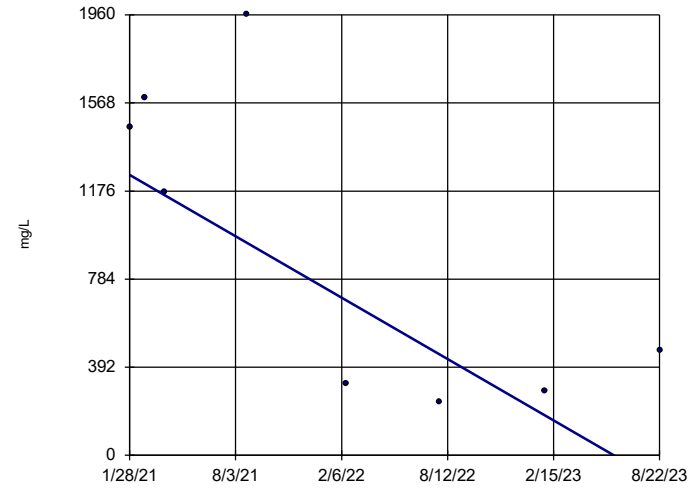


n = 8
Slope = -992.5 units per year.
Mann-Kendall statistic = -12
critical = -21
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-52

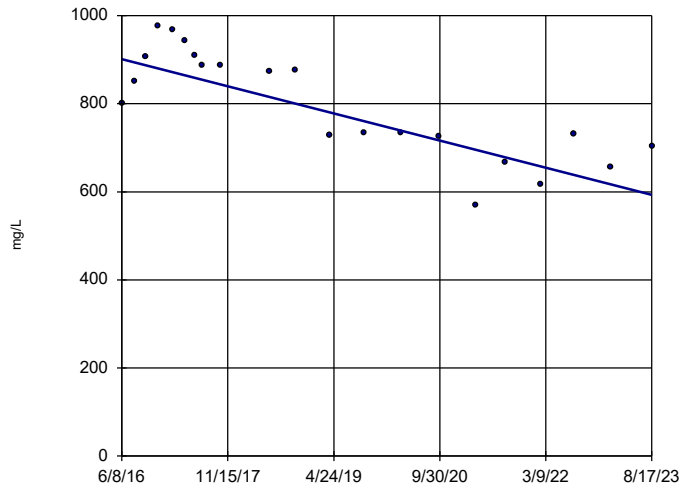


n = 8
Slope = -532.4 units per year.
Mann-Kendall statistic = -12
critical = -21
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:34 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-7



n = 21
Slope = -42.86 units per year.
Mann-Kendall statistic = -130
critical = -87
Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/21/2023 4:35 PM View: Appendix III Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE F.

Upper Tolerance Limit Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/30/2023, 2:45 PM

Constituent	Upper Lim.	Date	Observ.	Sig.	Bg.N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	0.0042	n/a	n/a	n/a	80	62.5	n/a	n/a	0.01652	NP Inter(NDs)
Arsenic (mg/L)	0.01	n/a	n/a	n/a	90	53.33	n/a	n/a	0.009888	NP Inter(NDs)
Barium (mg/L)	0.218	n/a	n/a	n/a	90	0	n/a	n/a	0.009888	NP Inter(normality)
Beryllium (mg/L)	0.0005	n/a	n/a	n/a	86	98.84	n/a	n/a	0.01214	NP Inter(NDs)
Cadmium (mg/L)	0.0005	n/a	n/a	n/a	90	97.78	n/a	n/a	0.009888	NP Inter(NDs)
Chromium (mg/L)	0.005	n/a	n/a	n/a	86	63.95	n/a	n/a	0.01214	NP Inter(NDs)
Cobalt (mg/L)	0.005	n/a	n/a	n/a	91	90.11	n/a	n/a	0.009394	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.644	n/a	n/a	n/a	89	0	None	No	0.05	Inter
Fluoride (mg/L)	0.57	n/a	n/a	n/a	93	45.16	n/a	n/a	0.008478	NP Inter(normality)
Lead (mg/L)	0.0024	n/a	n/a	n/a	86	68.6	n/a	n/a	0.01214	NP Inter(NDs)
Lithium (mg/L)	0.03	n/a	n/a	n/a	90	82.22	n/a	n/a	0.009888	NP Inter(NDs)
Mercury (mg/L)	0.00022	n/a	n/a	n/a	86	90.7	n/a	n/a	0.01214	NP Inter(NDs)
Molybdenum (mg/L)	0.034	n/a	n/a	n/a	92	54.35	n/a	n/a	0.008924	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	n/a	86	86.05	n/a	n/a	0.01214	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	90	85.56	n/a	n/a	0.009888	NP Inter(NDs)

FIGURE G.

BOWEN ASH POND 1 GWPS				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.01	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.005	0.1
Cobalt, Total (mg/L)		0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.64	5
Fluoride, Total (mg/L)	4		0.57	4
Lead, Total (mg/L)		0.015	0.0024	0.015
Lithium, Total (mg/L)		0.04	0.03	0.04
Mercury, Total (mg/L)	0.002		0.00022	0.002
Molybdenum, Total (mg/L)		0.1	0.034	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

FIGURE H.

Appendix IV Confidence Intervals - Significant Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Compliance</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	BGWC-34D	0.01807	0.01513	0.01	Yes	15	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-22	0.02653	0.01709	0.006	Yes	27	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2049	0.1387	0.1	Yes	11	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BGWA-6	0.003	0.0017	0.006	No	18	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-10	0.003	0.0022	0.006	No	20	85	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-14A	0.003	0.00061	0.006	No	15	86.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-16	0.003	0.0004	0.006	No	20	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-17	0.003	0.0002	0.006	No	20	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-19	0.003	0.0005	0.006	No	20	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-20	0.003	0.0014	0.006	No	20	90	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-21	0.003	0.0017	0.006	No	19	89.47	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-22	0.003	0.0023	0.006	No	20	85	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-23	0.0032	0.0022	0.006	No	21	61.9	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-24	0.0032	0.0028	0.006	No	20	70	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-25	0.003	0.0013	0.006	No	20	95	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-31	0.003	0.003	0.006	No	10	90	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-32	0.003	0.00039	0.006	No	10	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-34D	0.003	0.00079	0.006	No	10	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-35D	0.003	0.00066	0.006	No	10	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-36D	0.003	0.003	0.006	No	10	90	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-37D	0.003	0.0022	0.006	No	10	80	None	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-38D	0.004254	0.0003617	0.006	No	10	30	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-40	0.003	0.003	0.006	No	10	90	Kaplan-Meier	No	0.011	NP (NDs)
Antimony (mg/L)	BGWC-41D	0.003	0.0014	0.006	No	8	75	Kaplan-Meier	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-42D	0.003	0.00072	0.006	No	8	50	None	No	0.004	NP (normality)
Antimony (mg/L)	BGWC-43D	0.003	0.00058	0.006	No	8	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-44D	0.004129	0.001097	0.006	No	8	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Antimony (mg/L)	BGWC-49D	0.003	0.00039	0.006	No	6	83.33	Kaplan-Meier	No	0.0155	NP (NDs)
Antimony (mg/L)	BGWC-50D	0.003	0.0017	0.006	No	6	66.67	Kaplan-Meier	No	0.0155	NP (NDs)
Antimony (mg/L)	BGWC-51	0.003	0.0019	0.006	No	8	87.5	Kaplan-Meier	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-52	0.003	0.00053	0.006	No	8	62.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-7	0.003	0.0016	0.006	No	20	80	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-8	0.003	0.00059	0.006	No	20	85	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-9	0.003	0.0014	0.006	No	19	78.95	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWA-6	0.005	0.0012	0.01	No	21	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-10	0.007199	0.005476	0.01	No	24	4.167	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-12	0.005	0.0009	0.01	No	24	41.67	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-14A	0.005	0.002	0.01	No	15	73.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-16	0.005	0.0008	0.01	No	24	62.5	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-17	0.005	0.0012	0.01	No	24	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-18	0.005	0.0013	0.01	No	24	66.67	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-19	0.005	0.0008	0.01	No	24	58.33	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-20	0.005	0.0015	0.01	No	24	41.67	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-21	0.005	0.0011	0.01	No	23	52.17	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-22	0.003418	0.001941	0.01	No	24	8.333	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	BGWC-23	0.004071	0.001958	0.01	No	24	4.167	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-24	0.005859	0.003221	0.01	No	25	12	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-25	0.00293	0.002125	0.01	No	24	12.5	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-30	0.005	0.001	0.01	No	24	37.5	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-31	0.005499	0.003901	0.01	No	13	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-32	0.003245	0.001279	0.01	No	13	15.38	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-34D	0.01807	0.01513	0.01	Yes	15	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-35D	0.005348	0.001386	0.01	No	13	7.692	None	x^(1/3)	0.01	Param.
Arsenic (mg/L)	BGWC-36D	0.00251	0.0007236	0.01	No	13	38.46	Kaplan-Meier	x^(1/3)	0.01	Param.
Arsenic (mg/L)	BGWC-37D	0.02866	0.008743	0.01	No	10	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-38D	0.004038	0.001489	0.01	No	10	20	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-39	0.00627	0.001632	0.01	No	10	30	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-40	0.002702	0.000975	0.01	No	10	40	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-41D	0.00843	0.0009751	0.01	No	8	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-42D	0.008482	0.002643	0.01	No	8	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-43D	0.005831	0.0009037	0.01	No	8	12.5	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-44D	0.006378	0.002572	0.01	No	8	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-49D	0.009852	0.002014	0.01	No	6	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-50D	0.003637	0.001763	0.01	No	6	33.33	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-51	0.005794	0.001906	0.01	No	8	37.5	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-52	0.005	0.00099	0.01	No	8	37.5	None	No	0.004	NP (normality)
Arsenic (mg/L)	BGWC-7	0.002856	0.002061	0.01	No	24	8.333	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-8	0.005	0.00065	0.01	No	24	45.83	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-9	0.00241	0.001807	0.01	No	23	17.39	Kaplan-Meier	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWA-6	0.016	0.0115	2	No	21	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-10	0.05677	0.04488	2	No	24	0	None	sqrt(x)	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	BGWC-12	0.03897	0.03138	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-14A	0.04129	0.03178	2	No	15	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-16	0.03071	0.02777	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-17	0.0183	0.015	2	No	24	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-18	0.03493	0.03048	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-19	0.03777	0.03123	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-20	0.0342	0.03121	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-21	0.04231	0.03175	2	No	23	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-22	0.08944	0.07812	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-23	0.1049	0.08861	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-24	0.104	0.07337	2	No	25	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-25	0.0243	0.01773	2	No	24	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-30	0.191	0.07	2	No	24	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-31	0.042	0.033	2	No	13	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-32	0.1183	0.08953	2	No	13	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-34D	0.05082	0.03918	2	No	13	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-35D	0.09413	0.06372	2	No	13	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-36D	0.084	0.06	2	No	13	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-37D	0.1	0.087	2	No	10	0	None	No	0.011	NP (normality)
Barium (mg/L)	BGWC-38D	0.1836	0.09599	2	No	10	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-39	0.07699	0.04761	2	No	10	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-40	0.05644	0.04376	2	No	10	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-41D	0.06753	0.05147	2	No	8	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-42D	0.13	0.07076	2	No	8	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-43D	0.07683	0.06042	2	No	8	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-44D	0.02905	0.01645	2	No	8	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-49D	0.09179	0.05454	2	No	6	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-50D	0.06954	0.02713	2	No	6	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-51	0.061	0.0081	2	No	8	0	None	No	0.004	NP (normality)
Barium (mg/L)	BGWC-52	0.08457	0.02268	2	No	8	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-7	0.03821	0.03237	2	No	24	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-8	0.03033	0.02716	2	No	24	0	None	x^3	0.01	Param.
Barium (mg/L)	BGWC-9	0.0314	0.02752	2	No	23	0	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-12	0.0005	0.000076	0.004	No	22	90.91	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-16	0.0005	0.00012	0.004	No	22	40.91	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-17	0.0005	0.000065	0.004	No	22	77.27	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-18	0.0005	0.00009	0.004	No	22	63.64	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-19	0.0005	0.000087	0.004	No	22	63.64	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-22	0.0005	0.00011	0.004	No	22	40.91	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-23	0.0005	0.000054	0.004	No	22	95.45	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-24	0.0005	0.00018	0.004	No	23	56.52	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-36D	0.0005	0.00007	0.004	No	12	91.67	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-38D	0.0005	0.000059	0.004	No	10	50	None	No	0.011	NP (normality)
Beryllium (mg/L)	BGWC-39	0.0005	0.0005	0.004	No	10	90	None	No	0.011	NP (NDs)
Beryllium (mg/L)	BGWC-51	0.0005	0.00007	0.004	No	8	25	None	No	0.004	NP (normality)
Beryllium (mg/L)	BGWC-52	0.0005	0.000052	0.004	No	8	87.5	None	No	0.004	NP (NDs)
Cadmium (mg/L)	BGWC-14A	0.0005	0.00017	0.005	No	15	40	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-16	0.001739	0.001353	0.005	No	24	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-17	0.0005	0.00016	0.005	No	24	41.67	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-18	0.0006	0.0003	0.005	No	24	54.17	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-19	0.0005	0.0002	0.005	No	24	87.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-20	0.0005	0.00008	0.005	No	24	95.83	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-22	0.0005	0.00033	0.005	No	24	62.5	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-23	0.0005	0.00019	0.005	No	24	95.83	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-24	0.00543	0.003064	0.005	No	25	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-30	0.0005	0.0003	0.005	No	24	58.33	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-38D	0.0005	0.0005	0.005	No	10	80	None	No	0.011	NP (NDs)
Cadmium (mg/L)	BGWC-39	0.0005	0.00014	0.005	No	10	40	None	No	0.011	NP (normality)
Cadmium (mg/L)	BGWC-43D	0.001153	0.0001451	0.005	No	8	0	None	sqrt(x)	0.01	Param.
Cadmium (mg/L)	BGWC-51	0.0005287	0.0002588	0.005	No	8	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	BGWC-52	0.0005	0.00018	0.005	No	8	62.5	Kaplan-Meier	No	0.004	NP (NDs)
Chromium (mg/L)	BGWA-6	0.005	0.0044	0.1	No	20	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-10	0.005	0.0011	0.1	No	22	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-12	0.005	0.0018	0.1	No	22	72.73	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-14A	0.026	0.0014	0.1	No	15	86.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-16	0.005	0.0019	0.1	No	22	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-17	0.005	0.00044	0.1	No	22	90.91	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-18	0.005	0.0011	0.1	No	22	86.36	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	BGWC-20	0.005	0.0022	0.1	No	22	63.64	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-21	0.005	0.0025	0.1	No	21	90.48	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-23	0.005	0.0033	0.1	No	22	77.27	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-24	0.005	0.0009	0.1	No	23	86.96	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-25	0.005	0.0021	0.1	No	22	95.45	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-30	0.005	0.00087	0.1	No	22	40.91	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-31	0.005	0.00064	0.1	No	12	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-32	0.005	0.00062	0.1	No	12	58.33	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-35D	0.005	0.00072	0.1	No	12	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-36D	0.005	0.00057	0.1	No	12	66.67	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-37D	0.005	0.00068	0.1	No	10	80	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-38D	0.005	0.0031	0.1	No	10	80	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-39	0.005	0.005	0.1	No	10	90	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-40	0.005	0.00058	0.1	No	10	40	None	No	0.011	NP (normality)
Chromium (mg/L)	BGWC-41D	0.005	0.00068	0.1	No	8	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-42D	0.005	0.00062	0.1	No	8	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-43D	0.005	0.0024	0.1	No	8	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-44D	0.005	0.00093	0.1	No	8	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-49D	0.005	0.00071	0.1	No	6	83.33	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-51	0.005	0.0006	0.1	No	8	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-52	0.005	0.00061	0.1	No	8	62.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-7	0.005	0.00095	0.1	No	22	86.36	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-8	0.005	0.0011	0.1	No	22	27.27	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-9	0.005	0.0021	0.1	No	21	90.48	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWA-6	0.005	0.00052	0.006	No	21	57.14	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-10	0.005	0.00051	0.006	No	24	62.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-12	0.005	0.00045	0.006	No	24	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-14A	0.002446	0.001162	0.006	No	15	26.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BGWC-16	0.008396	0.005779	0.006	No	24	4.167	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-17	0.005	0.00015	0.006	No	24	95.83	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-18	0.005	0.0009	0.006	No	24	79.17	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-19	0.005	0.000072	0.006	No	24	95.83	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-20	0.005	0.0008	0.006	No	24	87.5	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-21	0.005	0.0006	0.006	No	23	39.13	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-22	0.02653	0.01709	0.006	Yes	27	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-23	0.005	0.0015	0.006	No	26	73.08	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-24	0.003955	0.002882	0.006	No	27	11.11	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-25	0.005	0.0006	0.006	No	24	91.67	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-30	0.005	0.0009	0.006	No	26	61.54	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-31	0.005	0.00036	0.006	No	13	53.85	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-32	0.007046	0.002414	0.006	No	15	6.667	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-34D	0.000942	0.0004985	0.006	No	13	15.38	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-35D	0.002922	0.001013	0.006	No	13	7.692	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-36D	0.005	0.00049	0.006	No	13	53.85	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-37D	0.001394	0.0006629	0.006	No	10	30	Kaplan-Meier	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-38D	0.005261	0.001522	0.006	No	11	0	None	ln(x)	0.01	Param.
Cobalt (mg/L)	BGWC-39	0.005	0.00061	0.006	No	11	72.73	None	No	0.006	NP (NDs)
Cobalt (mg/L)	BGWC-40	0.00061	0.00044	0.006	No	10	10	None	No	0.011	NP (normality)
Cobalt (mg/L)	BGWC-41D	0.005	0.0004	0.006	No	8	25	None	No	0.004	NP (normality)
Cobalt (mg/L)	BGWC-43D	0.005258	0.002231	0.006	No	9	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-49D	0.001025	0.0006887	0.006	No	6	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-50D	0.001526	0.0002969	0.006	No	6	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-52	0.004684	0.001331	0.006	No	8	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-7	0.00091	0.00068	0.006	No	24	16.67	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-8	0.005	0.0012	0.006	No	24	83.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-9	0.005	0.0006	0.006	No	23	86.96	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	BGWA-6	0.7328	0.363	5	No	21	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-10	1.443	0.9998	5	No	24	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-12	0.7317	0.3704	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-14A	1.266	0.5777	5	No	15	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-16	1.201	0.7474	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-17	0.8536	0.4929	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-18	1.066	0.6233	5	No	24	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-19	1.14	0.7054	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-20	1.372	0.8581	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-21	0.8173	0.4928	5	No	23	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-22	2.83	2.006	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-23	1.798	1.091	5	No	24	0	None	No	0.01	Param.

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	BGWC-24	3.292	1.863	5	No	24	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-25	0.9271	0.5479	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-30	2.065	1.163	5	No	23	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-31	1.781	1.113	5	No	13	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-32	2.031	1.227	5	No	13	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-34D	2.803	1.817	5	No	13	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-35D	3.037	2.05	5	No	13	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-36D	2.188	1.265	5	No	13	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-37D	3.178	2.298	5	No	10	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-38D	5.425	3.303	5	No	10	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-39	1.493	0.618	5	No	10	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-40	1.004	0.4066	5	No	10	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-41D	1.897	0.8913	5	No	8	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-42D	1.212	0.4597	5	No	8	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-43D	1.903	1.209	5	No	8	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-44D	1.296	0.5693	5	No	8	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-49D	3.528	1.612	5	No	6	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-50D	1.518	0.6351	5	No	6	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-51	0.7534	0.3871	5	No	8	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-52	1.444	0.384	5	No	8	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-7	1.651	1.237	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-8	0.7961	0.4237	5	No	24	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-9	0.9667	0.4948	5	No	23	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BGWA-6	0.1	0.066	4	No	22	63.64	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-10	0.1047	0.05525	4	No	25	36	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-12	0.12	0.08	4	No	25	40	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-14A	0.1	0.061	4	No	15	53.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-16	0.1415	0.06299	4	No	25	24	Kaplan-Meier	x^(1/3)	0.01	Param.
Fluoride (mg/L)	BGWC-17	0.18	0.11	4	No	25	4	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-18	0.14	0.06	4	No	25	32	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-19	0.11	0.071	4	No	25	32	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-20	0.1	0.064	4	No	25	44	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-21	0.1	0.08	4	No	24	58.33	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-22	0.34	0.23	4	No	28	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-23	0.1	0.068	4	No	27	22.22	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-24	1	0.095	4	No	28	7.143	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-25	0.08852	0.0545	4	No	25	48	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-30	0.32	0.075	4	No	27	18.52	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-32	0.65	0.13	4	No	15	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-34D	0.1	0.052	4	No	13	69.23	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-35D	0.26	0.11	4	No	13	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-36D	0.26	0.11	4	No	13	7.692	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-37D	0.3991	0.1489	4	No	10	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-38D	0.6046	0.2645	4	No	11	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-39	0.1363	0.0699	4	No	11	9.091	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-40	0.09687	0.06469	4	No	11	27.27	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-41D	0.1012	0.07673	4	No	9	22.22	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-42D	0.6603	0.4457	4	No	10	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-43D	1.089	0.8565	4	No	11	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-44D	0.28	0.088	4	No	9	44.44	None	No	0.002	NP (normality)
Fluoride (mg/L)	BGWC-49D	0.09121	0.05607	4	No	6	50	Kaplan-Meier	x^4	0.01	Param.
Fluoride (mg/L)	BGWC-50D	0.1543	0.06469	4	No	6	16.67	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-51	0.1632	0.09452	4	No	8	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-52	0.1329	0.08308	4	No	8	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-7	0.1772	0.1257	4	No	25	4	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-8	0.1	0.064	4	No	25	56	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-9	0.1926	0.09982	4	No	24	0	None	ln(x)	0.01	Param.
Lead (mg/L)	BGWA-6	0.001	0.00016	0.015	No	20	80	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-10	0.001	0.00019	0.015	No	22	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-12	0.001	0.0002	0.015	No	22	63.64	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-14A	0.001	0.000073	0.015	No	15	73.33	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-16	0.001	0.0002	0.015	No	22	59.09	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-17	0.001	0.000079	0.015	No	22	95.45	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-18	0.001	0.0001	0.015	No	22	68.18	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-19	0.001	0.0006	0.015	No	22	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-20	0.001	0.0001	0.015	No	22	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-21	0.001	0.000073	0.015	No	21	66.67	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-22	0.001	0.00033	0.015	No	22	72.73	None	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	BGWC-23	0.001	0.00031	0.015	No	22	90.91	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-24	0.001	0.00059	0.015	No	23	73.91	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-25	0.001	0.0004	0.015	No	22	63.64	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-30	0.001	0.00017	0.015	No	22	50	None	No	0.01	NP (normality)
Lead (mg/L)	BGWC-31	0.0007069	0.0002185	0.015	No	12	33.33	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-32	0.001	0.00011	0.015	No	12	83.33	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-34D	0.001	0.000054	0.015	No	12	91.67	Kaplan-Meier	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-35D	0.001	0.00011	0.015	No	12	50	None	No	0.01	NP (normality)
Lead (mg/L)	BGWC-36D	0.001	0.00014	0.015	No	12	50	None	No	0.01	NP (normality)
Lead (mg/L)	BGWC-37D	0.001	0.000082	0.015	No	10	50	None	No	0.011	NP (normality)
Lead (mg/L)	BGWC-38D	0.001	0.00016	0.015	No	10	60	None	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-39	0.001	0.001	0.015	No	10	90	None	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-40	0.001	0.00014	0.015	No	10	50	None	No	0.011	NP (normality)
Lead (mg/L)	BGWC-41D	0.001	0.000036	0.015	No	8	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-42D	0.001	0.000041	0.015	No	8	75	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-43D	0.001	0.00012	0.015	No	8	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-44D	0.001	0.00017	0.015	No	8	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-49D	0.001	0.000044	0.015	No	6	83.33	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-50D	0.001	0.00014	0.015	No	6	83.33	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-51	0.001	0.00015	0.015	No	8	62.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-52	0.001	0.000054	0.015	No	8	62.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-8	0.001	0.0003	0.015	No	22	81.82	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-9	0.001	0.000092	0.015	No	21	57.14	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWA-6	0.03	0.00082	0.04	No	21	95.24	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-10	0.03	0.00093	0.04	No	24	33.33	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-12	0.03	0.0011	0.04	No	24	45.83	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-14A	0.03	0.00087	0.04	No	15	46.67	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-16	0.03	0.00049	0.04	No	24	95.83	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-17	0.03	0.00069	0.04	No	24	95.83	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-20	0.03145	0.01925	0.04	No	24	0	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	BGWC-22	0.02825	0.01845	0.04	No	24	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-23	0.02554	0.01471	0.04	No	24	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-24	0.0082	0.0058	0.04	No	25	12	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-30	0.0171	0.0012	0.04	No	24	4.167	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-34D	0.03	0.00098	0.04	No	13	84.62	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-35D	0.01824	0.01069	0.04	No	13	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-36D	0.0044	0.0011	0.04	No	13	7.692	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-37D	0.02198	0.002361	0.04	No	9	0	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	BGWC-38D	0.01617	0.005709	0.04	No	10	10	None	No	0.01	Param.
Lithium (mg/L)	BGWC-39	0.005042	0.003083	0.04	No	10	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-40	0.03	0.00079	0.04	No	9	55.56	None	No	0.002	NP (NDs)
Lithium (mg/L)	BGWC-41D	0.015	0.00092	0.04	No	8	12.5	None	No	0.004	NP (normality)
Lithium (mg/L)	BGWC-42D	0.03	0.0012	0.04	No	7	28.57	None	No	0.008	NP (normality)
Lithium (mg/L)	BGWC-43D	0.02884	0.01966	0.04	No	8	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-44D	0.004967	0.002108	0.04	No	8	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-49D	0.009853	0.004247	0.04	No	6	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-50D	0.03	0.0015	0.04	No	6	66.67	None	No	0.0155	NP (NDs)
Lithium (mg/L)	BGWC-51	0.03	0.0011	0.04	No	8	50	None	No	0.004	NP (normality)
Lithium (mg/L)	BGWC-52	0.007723	0.0009753	0.04	No	8	12.5	None	x^(1/3)	0.01	Param.
Lithium (mg/L)	BGWC-7	0.00928	0.007502	0.04	No	24	4.167	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-8	0.03	0.001	0.04	No	24	95.83	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-9	0.03	0.0013	0.04	No	23	30.43	None	No	0.01	NP (normality)
Mercury (mg/L)	BGWA-6	0.0002	0.000084	0.002	No	20	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-10	0.0002	0.00018	0.002	No	22	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-12	0.0002	0.00013	0.002	No	22	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-14A	0.0002	0.00016	0.002	No	15	93.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-16	0.0002	0.00015	0.002	No	22	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-17	0.0002329	0.0001491	0.002	No	22	18.18	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	BGWC-18	0.0002	0.000079	0.002	No	22	95.45	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-19	0.0002	0.00018	0.002	No	22	86.36	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-20	0.0002	0.000066	0.002	No	22	95.45	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-21	0.00021	0.0002	0.002	No	21	95.24	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-22	0.0002	0.000092	0.002	No	22	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-23	0.0002	0.00013	0.002	No	22	86.36	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-24	0.0009712	0.0001515	0.002	No	23	17.39	Kaplan-Meier	x^(1/3)	0.01	Param.
Mercury (mg/L)	BGWC-25	0.0002	0.00015	0.002	No	22	90.91	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-30	0.0002	0.000091	0.002	No	22	63.64	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-31	0.0002	0.00015	0.002	No	12	83.33	Kaplan-Meier	No	0.01	NP (NDs)

Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	BGWC-34D	0.0002	0.00016	0.002	No	12	83.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-35D	0.0002	0.00016	0.002	No	12	83.33	Kaplan-Meier	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-36D	0.0002	0.00018	0.002	No	12	83.33	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-38D	0.00028	0.00012	0.002	No	10	60	None	No	0.011	NP (NDs)
Mercury (mg/L)	BGWC-41D	0.0002	0.00018	0.002	No	8	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	BGWC-43D	0.0002	0.00015	0.002	No	8	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	BGWC-44D	0.0002	0.00017	0.002	No	8	87.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	BGWC-51	0.003181	0.00007545	0.002	No	8	12.5	None	sqrt(x)	0.01	Param.
Mercury (mg/L)	BGWC-52	0.0002	0.00018	0.002	No	8	75	None	No	0.004	NP (NDs)
Mercury (mg/L)	BGWC-7	0.0002	0.000053	0.002	No	22	95.45	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-8	0.0002	0.00016	0.002	No	22	90.91	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-9	0.0002	0.00016	0.002	No	21	85.71	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWA-6	0.01	0.001	0.1	No	21	90.48	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-10	0.0036	0.003	0.1	No	24	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-14A	0.01	0.0012	0.1	No	15	20	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-19	0.01	0.00023	0.1	No	24	95.83	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-20	0.025	0.0127	0.1	No	24	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-21	0.002577	0.001637	0.1	No	23	21.74	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-22	0.0662	0.04	0.1	No	27	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-23	0.01252	0.01063	0.1	No	26	0	None	x^2	0.01	Param.
Molybdenum (mg/L)	BGWC-24	0.01	0.0024	0.1	No	27	51.85	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-25	0.01	0.0029	0.1	No	24	66.67	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-30	0.01181	0.005365	0.1	No	26	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-31	0.01	0.00033	0.1	No	13	92.31	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-32	0.003959	0.003255	0.1	No	14	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-34D	0.0021	0.0009	0.1	No	13	7.692	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-35D	0.03616	0.02855	0.1	No	14	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-36D	0.013	0.00793	0.1	No	14	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-37D	0.02124	0.009609	0.1	No	11	0	None	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	BGWC-38D	0.1189	0.06562	0.1	No	12	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-39	0.007715	0.003365	0.1	No	10	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-40	0.01	0.0012	0.1	No	10	70	None	No	0.011	NP (NDs)
Molybdenum (mg/L)	BGWC-41D	0.01283	0.007197	0.1	No	9	11.11	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-42D	0.01727	0.005546	0.1	No	10	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2049	0.1387	0.1	Yes	11	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-44D	0.009165	0.001902	0.1	No	9	11.11	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-49D	0.007353	0.00458	0.1	No	6	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-50D	0.006079	0.001688	0.1	No	6	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-51	0.01	0.0027	0.1	No	8	87.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	BGWC-52	0.0087	0.0035	0.1	No	8	0	None	No	0.004	NP (normality)
Molybdenum (mg/L)	BGWC-7	0.0117	0.0096	0.1	No	24	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-8	0.002313	0.001134	0.1	No	24	29.17	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-9	0.003326	0.0027	0.1	No	23	0	None	No	0.01	Param.
Selenium (mg/L)	BGWA-6	0.005	0.0032	0.05	No	20	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-12	0.005	0.0004	0.05	No	22	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-14A	0.005	0.0014	0.05	No	15	93.33	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-16	0.005	0.0018	0.05	No	22	54.55	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-17	0.005	0.0022	0.05	No	22	81.82	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-18	0.005	0.0022	0.05	No	22	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-19	0.005	0.0013	0.05	No	22	86.36	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-20	0.005	0.0037	0.05	No	22	95.45	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-21	0.005	0.001	0.05	No	21	90.48	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-22	0.005	0.0026	0.05	No	22	77.27	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-23	0.0176	0.002	0.05	No	22	86.36	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-24	0.009372	0.003951	0.05	No	23	13.04	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-30	0.009585	0.005979	0.05	No	22	9.091	None	No	0.01	Param.
Selenium (mg/L)	BGWC-31	0.005	0.00008	0.05	No	12	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-32	0.005	0.00015	0.05	No	12	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-34D	0.005	0.0001	0.05	No	12	91.67	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-36D	0.01221	0.006504	0.05	No	12	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-38D	0.005	0.003	0.05	No	10	70	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-39	0.005	0.002	0.05	No	10	80	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-40	0.009785	0.004775	0.05	No	10	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-41D	0.005	0.0016	0.05	No	8	62.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	BGWC-42D	0.005	0.0022	0.05	No	8	75	None	No	0.004	NP (NDs)
Selenium (mg/L)	BGWC-43D	0.005	0.0028	0.05	No	8	87.5	None	No	0.004	NP (NDs)
Selenium (mg/L)	BGWC-51	0.01356	0.004761	0.05	No	8	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-52	0.005	0.0016	0.05	No	8	62.5	None	No	0.004	NP (NDs)

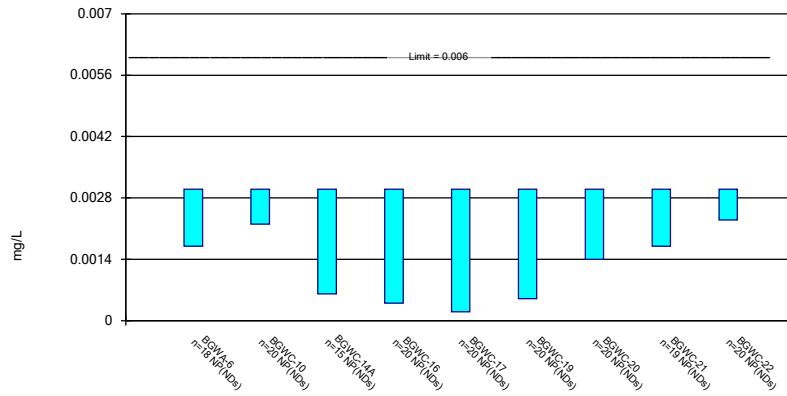
Appendix IV Confidence Intervals - All Results

Plant Bowen Data: Bowen AP-1 Printed 11/1/2023, 11:13 AM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	BGWC-8	0.005	0.00015	0.05	No	22	90.91	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-9	0.005	0.0014	0.05	No	21	52.38	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWA-6	0.001	0.000062	0.002	No	21	52.38	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-12	0.001	0.00009	0.002	No	24	79.17	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-14A	0.0005	0.0002654	0.002	No	15	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-16	0.00024	0.0002	0.002	No	24	0	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-17	0.001	0.000085	0.002	No	24	58.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-18	0.001	0.00019	0.002	No	24	83.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-19	0.001	0.000085	0.002	No	24	70.83	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-20	0.001	0.00025	0.002	No	24	91.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-22	0.0008548	0.0006368	0.002	No	24	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-23	0.001	0.00038	0.002	No	24	66.67	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-24	0.0005485	0.0004091	0.002	No	25	12	None	No	0.01	Param.
Thallium (mg/L)	BGWC-30	0.001	0.00034	0.002	No	24	29.17	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-32	0.001	0.00013	0.002	No	13	38.46	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-34D	0.001	0.000089	0.002	No	13	92.31	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-35D	0.001	0.00016	0.002	No	13	69.23	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-36D	0.00037	0.00013	0.002	No	13	15.38	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-37D	0.001	0.001	0.002	No	10	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	BGWC-38D	0.001	0.00018	0.002	No	10	60	None	No	0.011	NP (NDs)
Thallium (mg/L)	BGWC-39	0.001	0.00017	0.002	No	10	40	None	No	0.011	NP (normality)
Thallium (mg/L)	BGWC-40	0.001	0.001	0.002	No	10	90	None	No	0.011	NP (NDs)
Thallium (mg/L)	BGWC-43D	0.00304	0.001385	0.002	No	8	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-51	0.001	0.0002	0.002	No	8	75	None	No	0.004	NP (NDs)
Thallium (mg/L)	BGWC-52	0.001	0.0002	0.002	No	8	37.5	None	No	0.004	NP (normality)
Thallium (mg/L)	BGWC-7	0.001	0.00019	0.002	No	24	58.33	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-9	0.001	0.00022	0.002	No	23	78.26	None	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

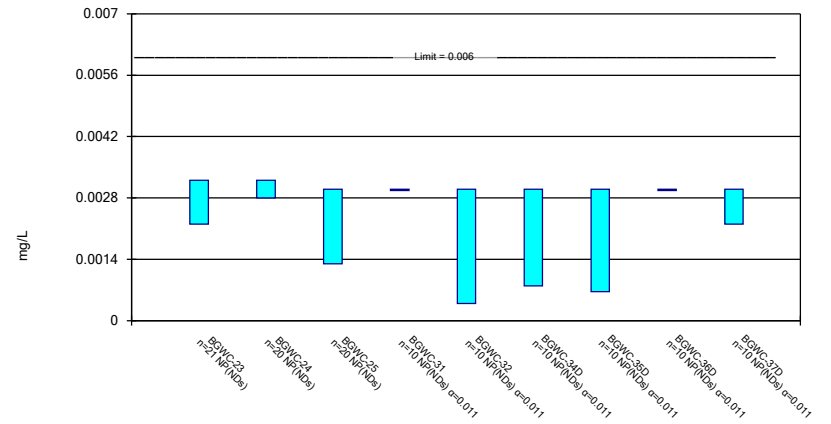
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Constituent: Antimony Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

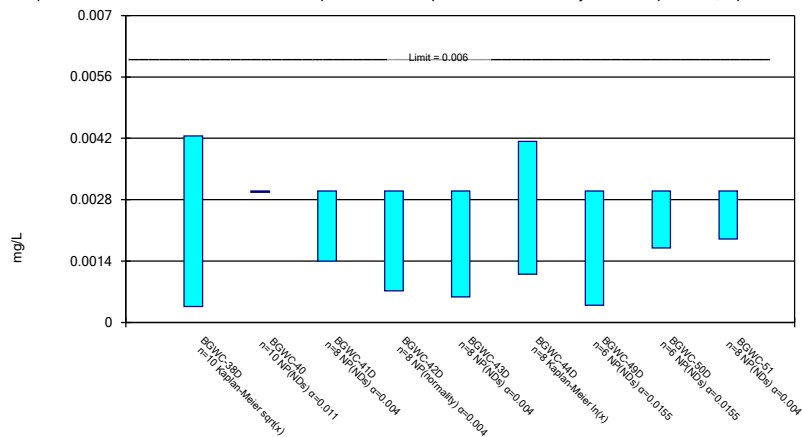
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Constituent: Antimony Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

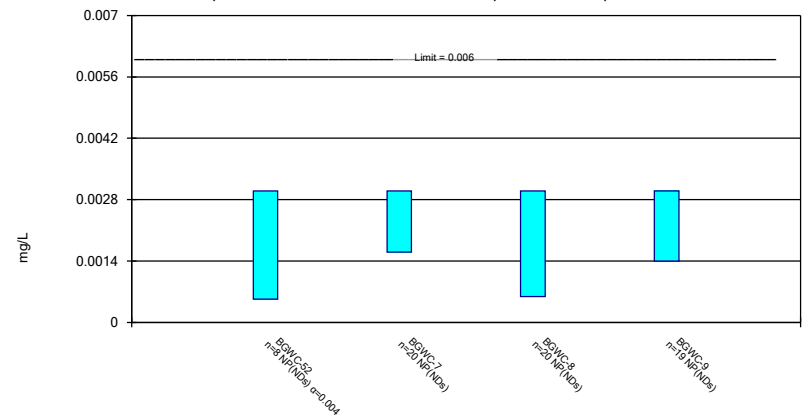
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Constituent: Antimony Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

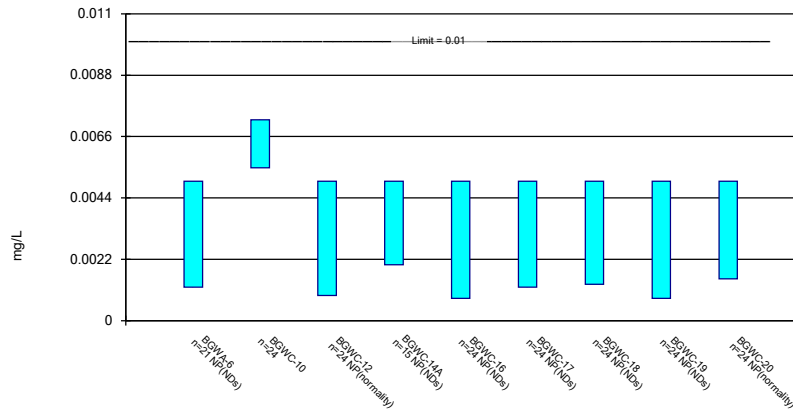
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Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

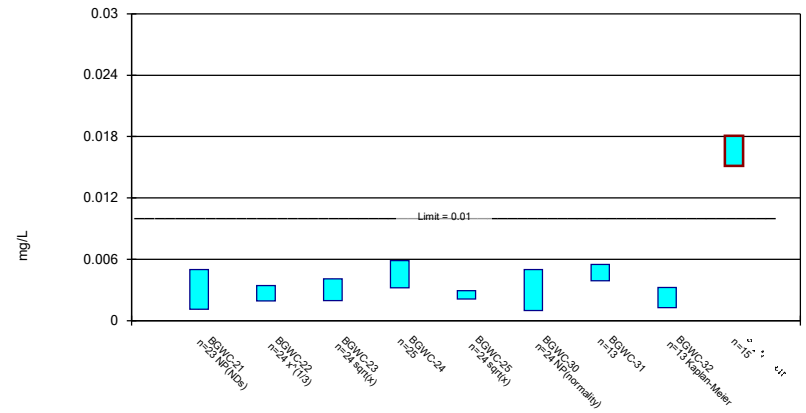
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Constituent: Arsenic Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

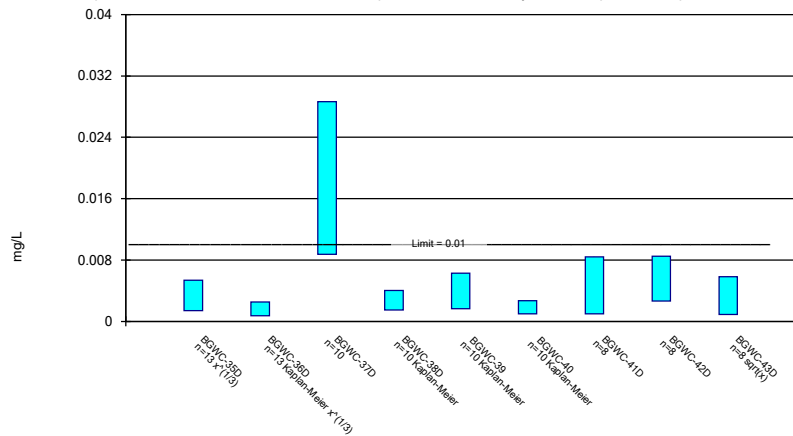
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric Confidence Interval

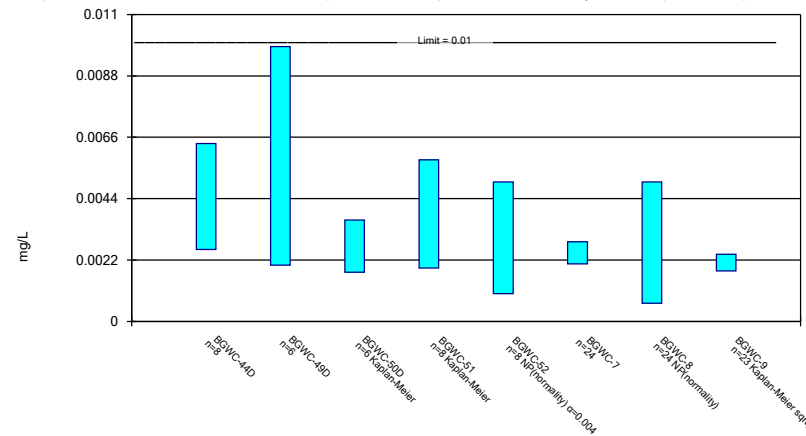
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

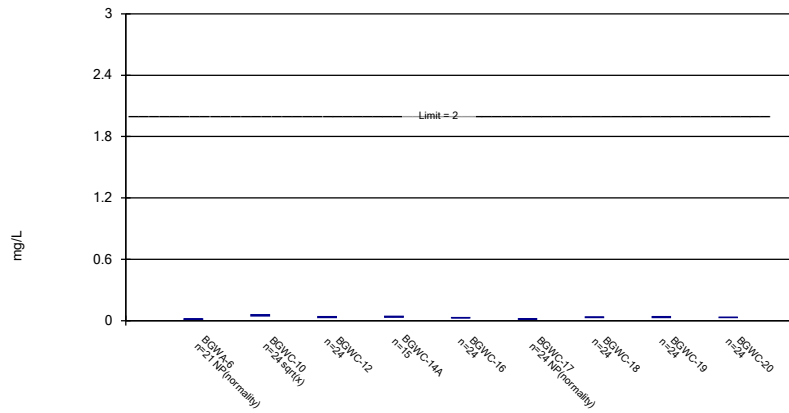
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Arsenic Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

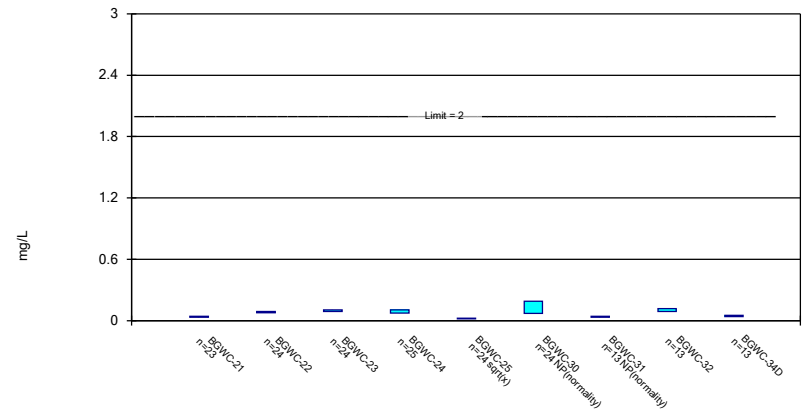
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

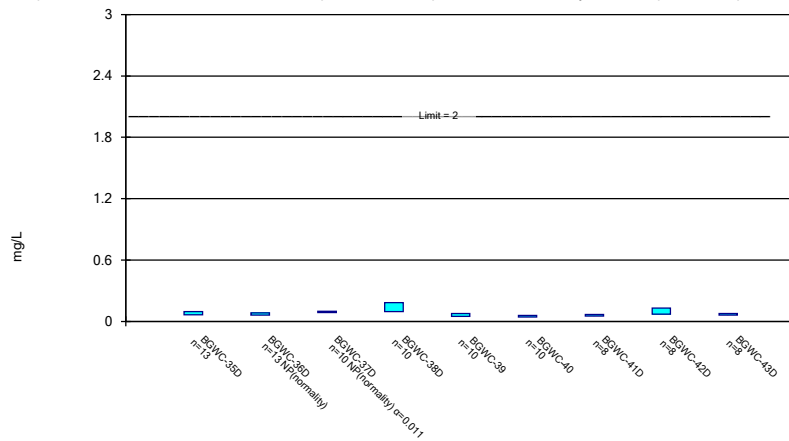
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

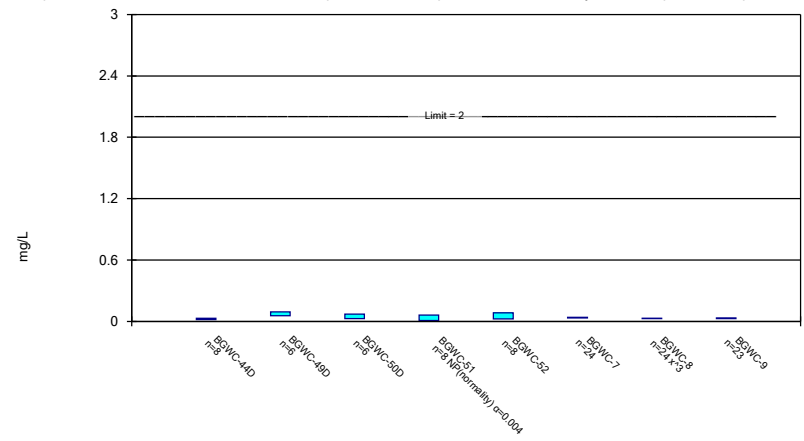
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

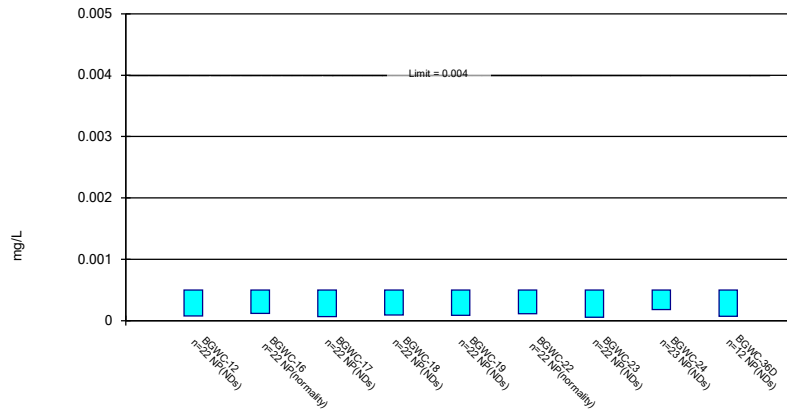
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

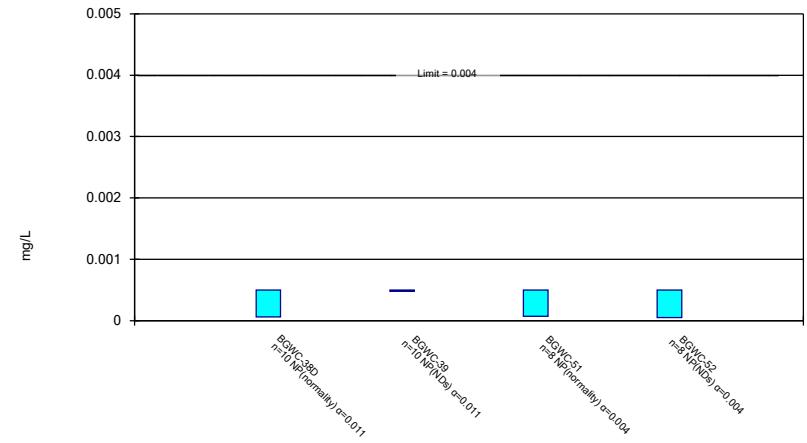
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Beryllium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

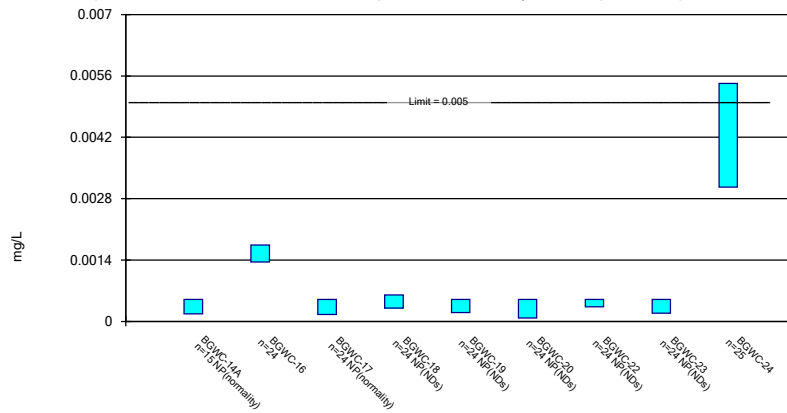
Compliance Limit is not exceeded.



Constituent: Beryllium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

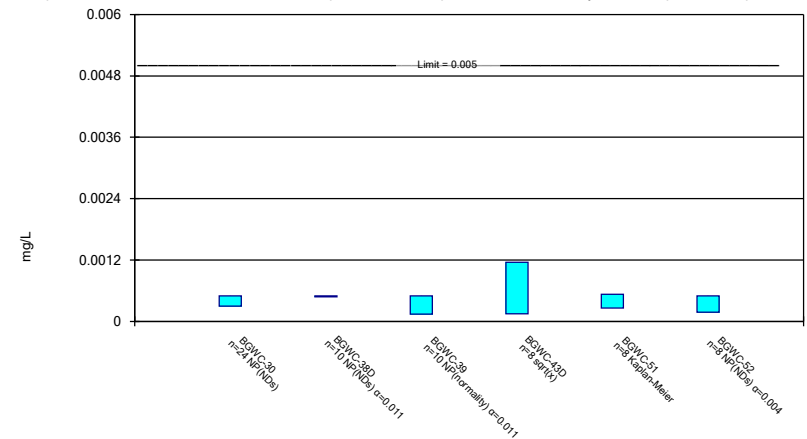
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

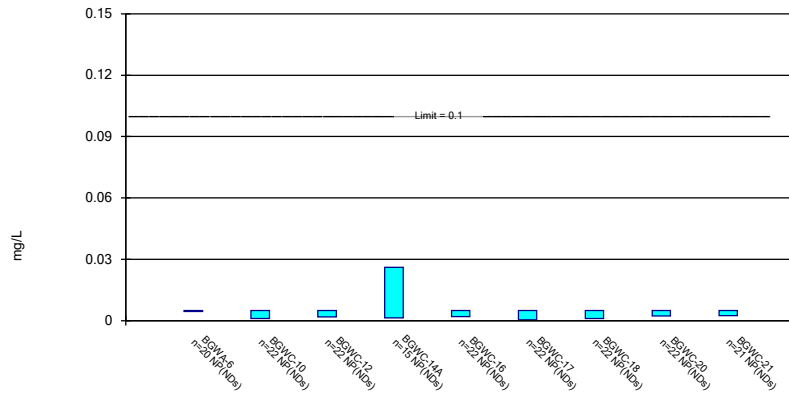
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

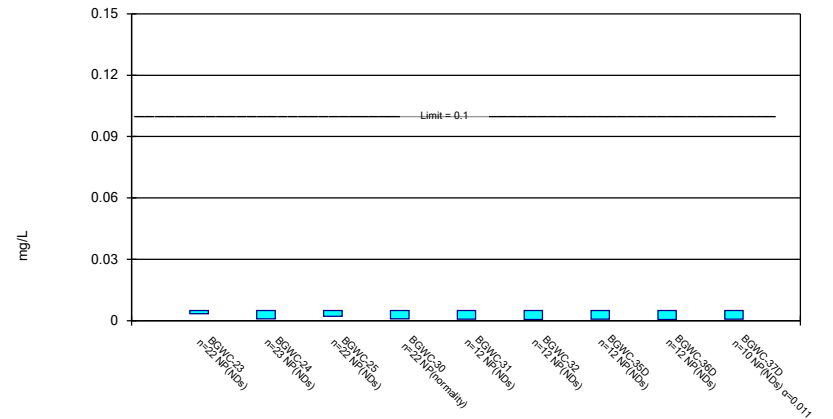
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

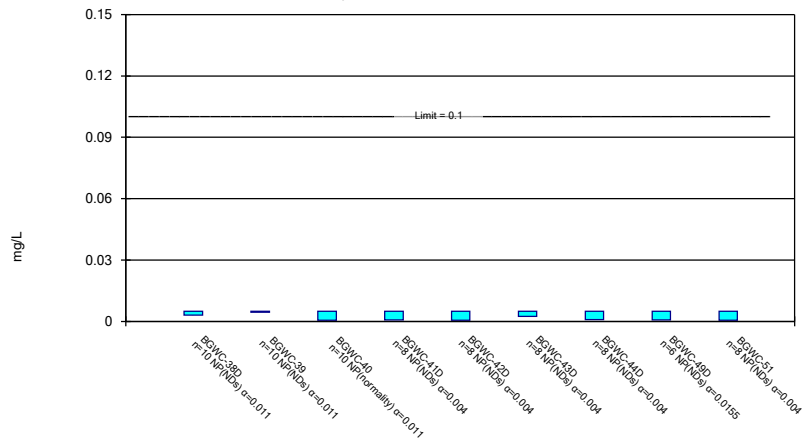
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Chromium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

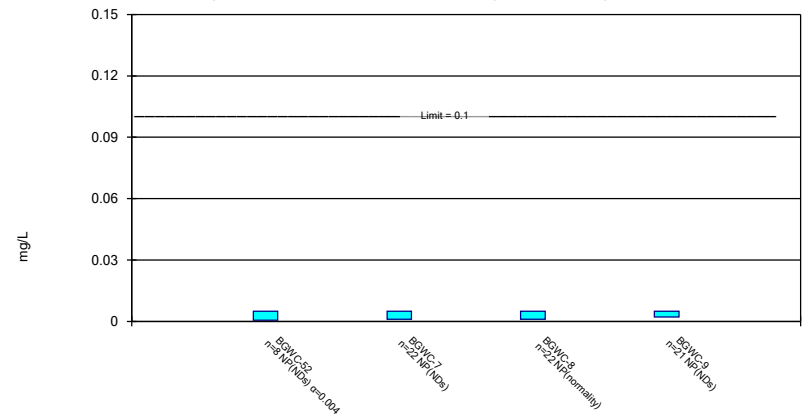
Compliance Limit is not exceeded.



Constituent: Chromium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

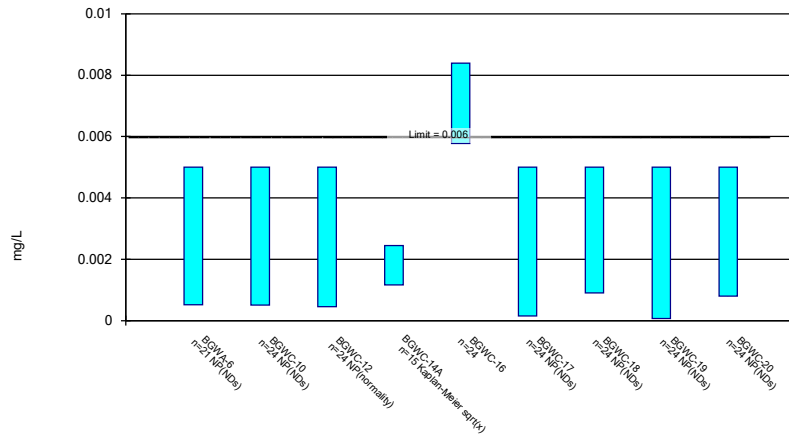
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Chromium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

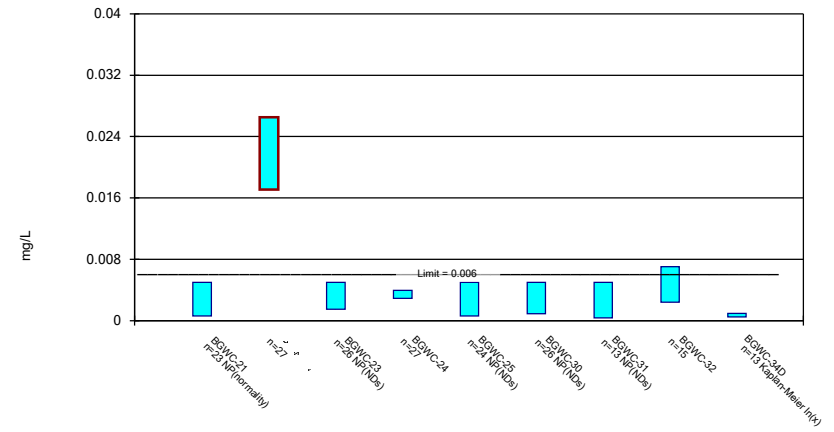
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

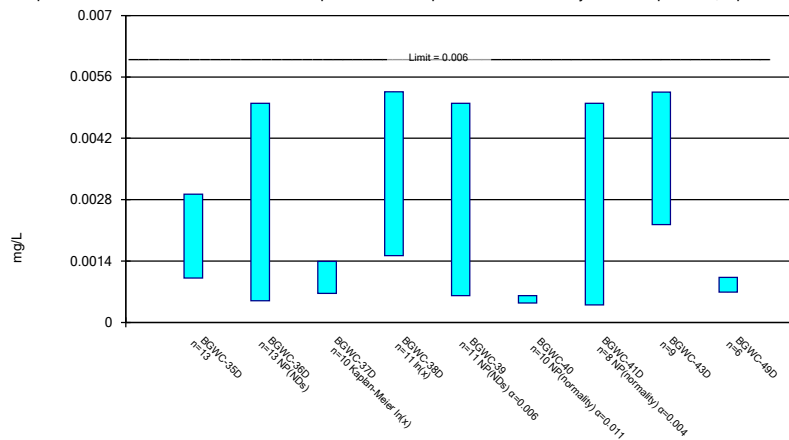
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

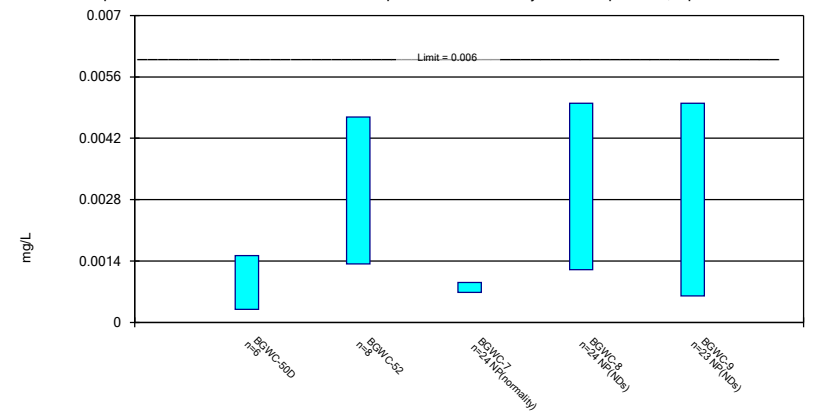
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

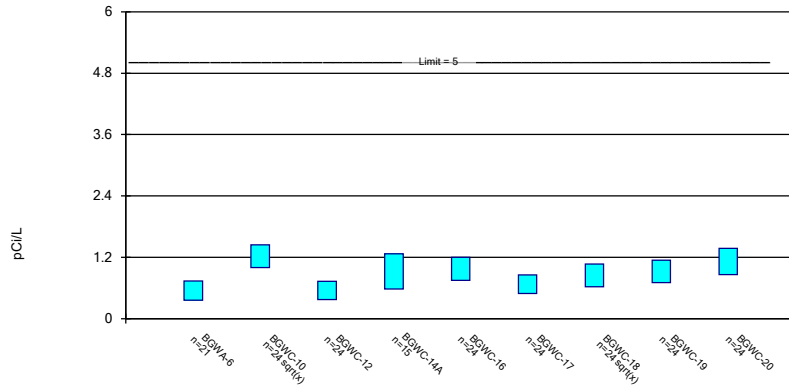
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric Confidence Interval

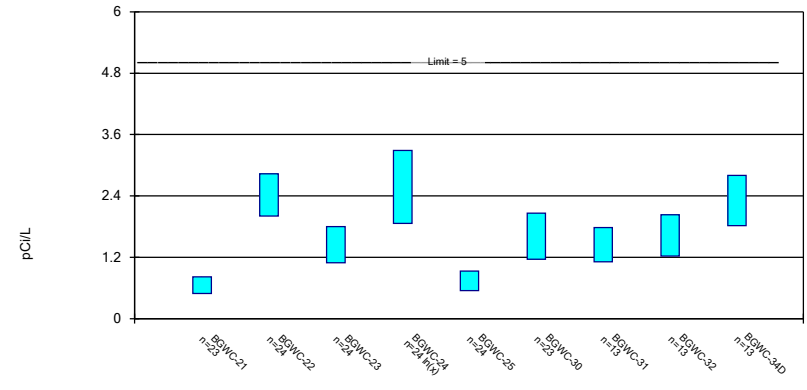
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric Confidence Interval

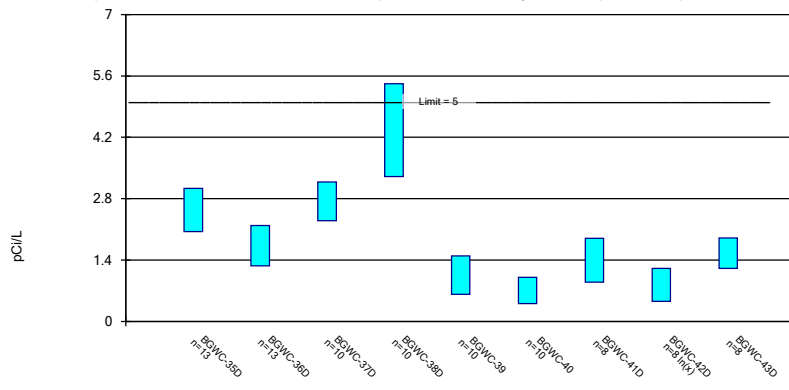
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric Confidence Interval

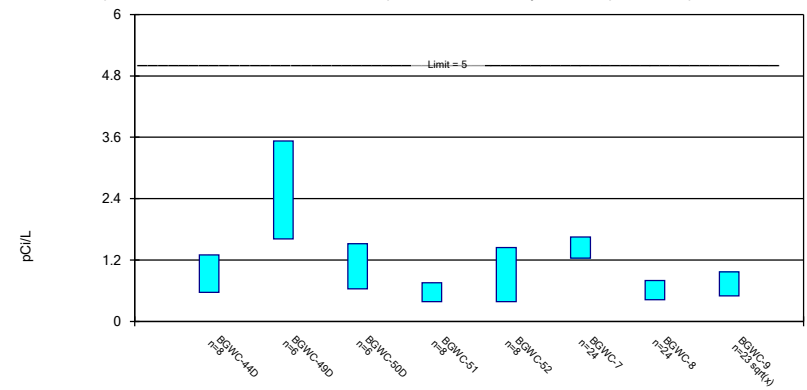
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric Confidence Interval

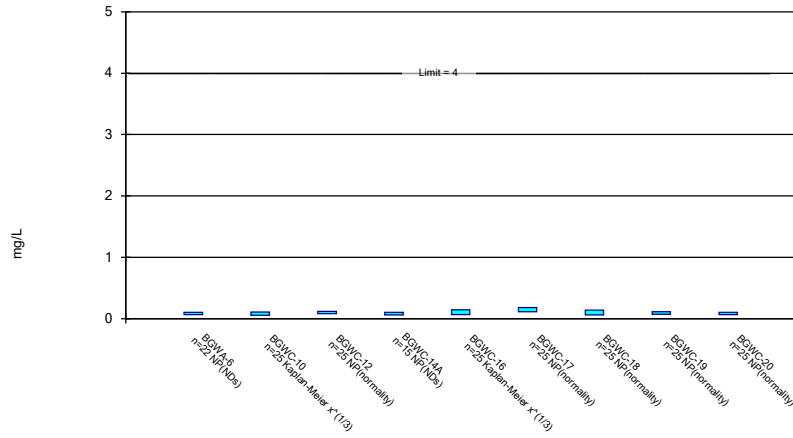
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

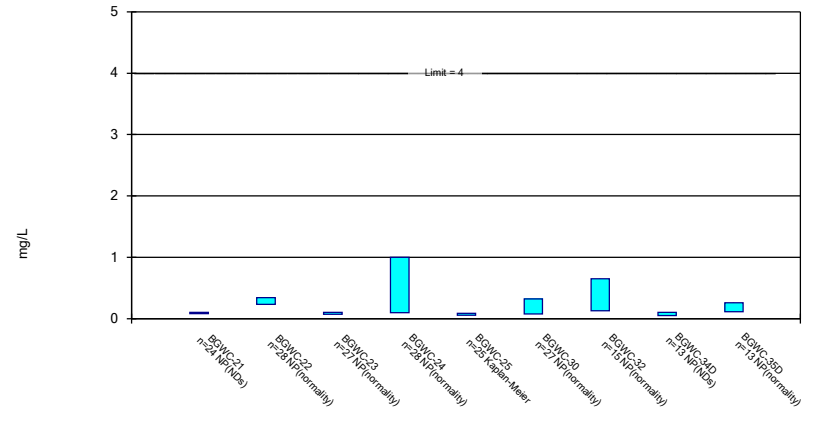
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

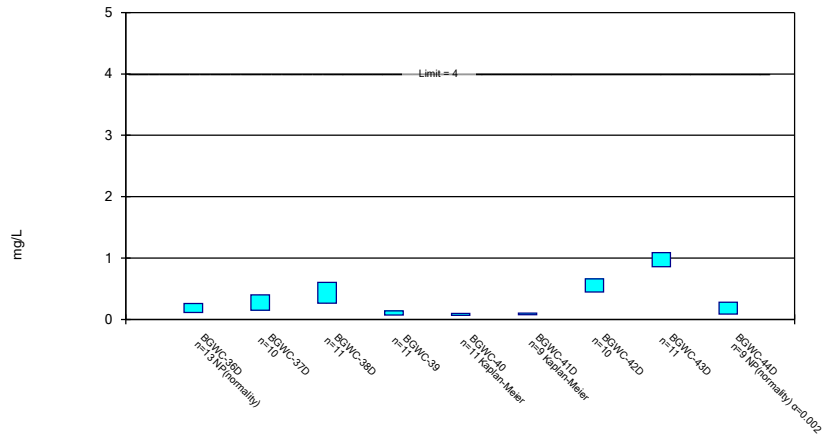
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

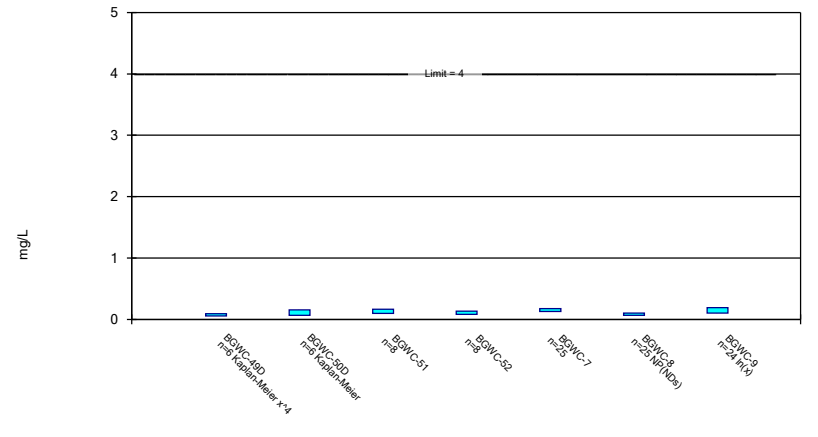
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

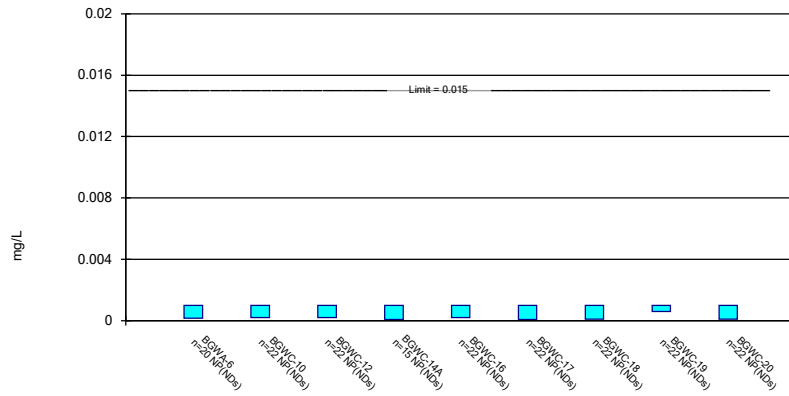
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

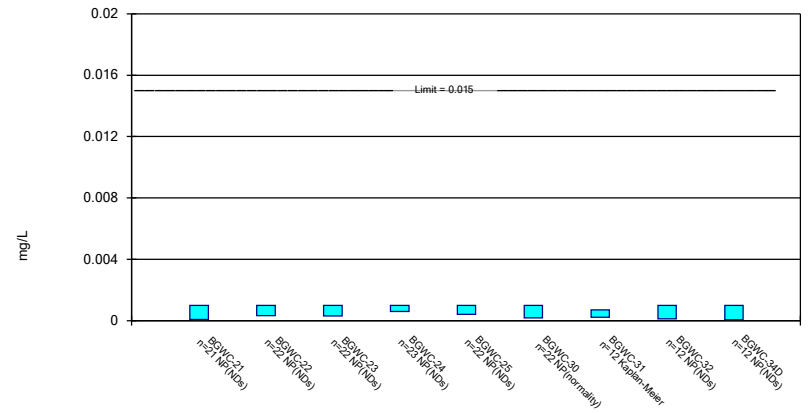
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

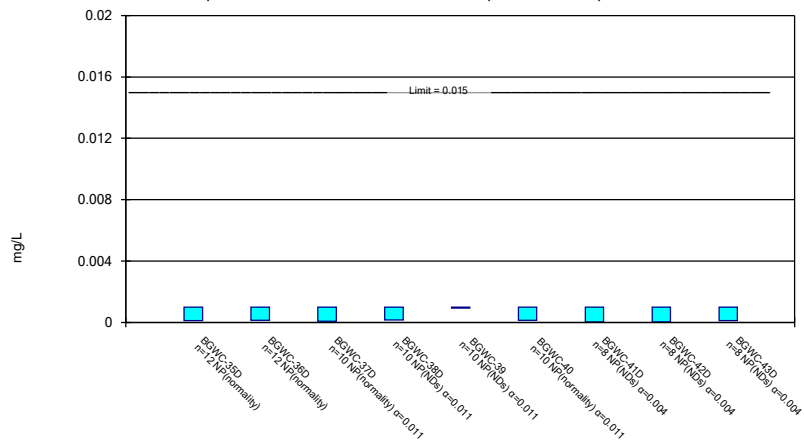
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

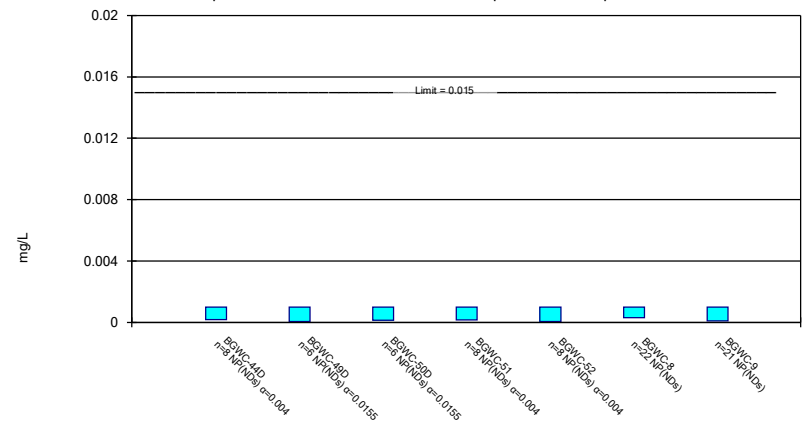
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Lead Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

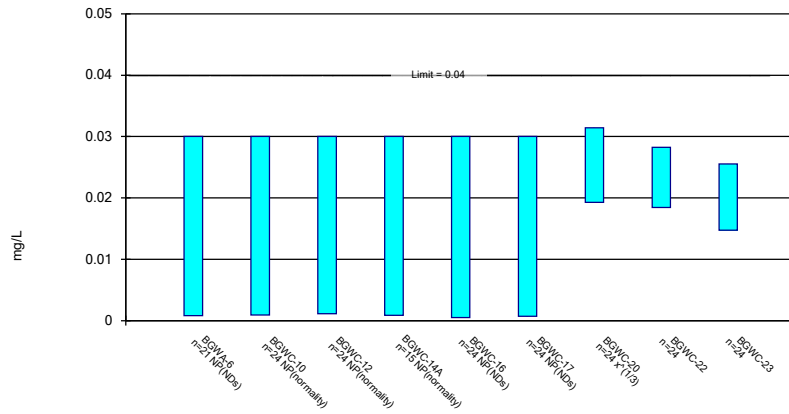
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Lead Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

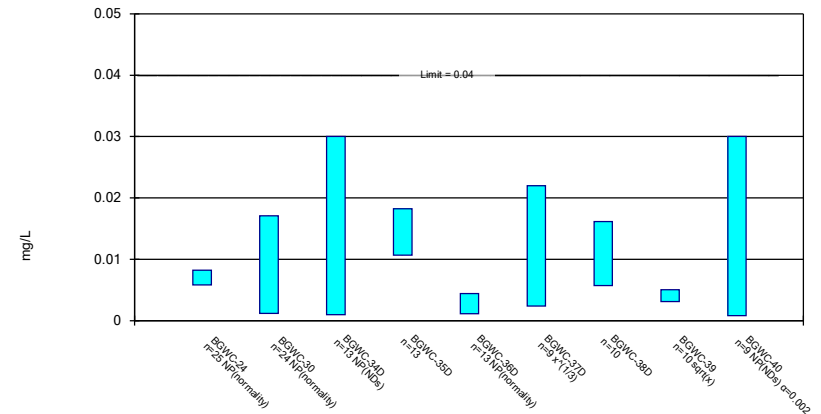
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

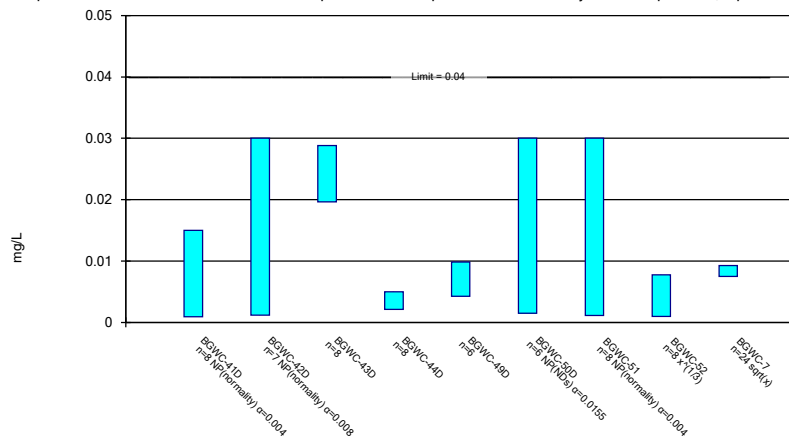
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

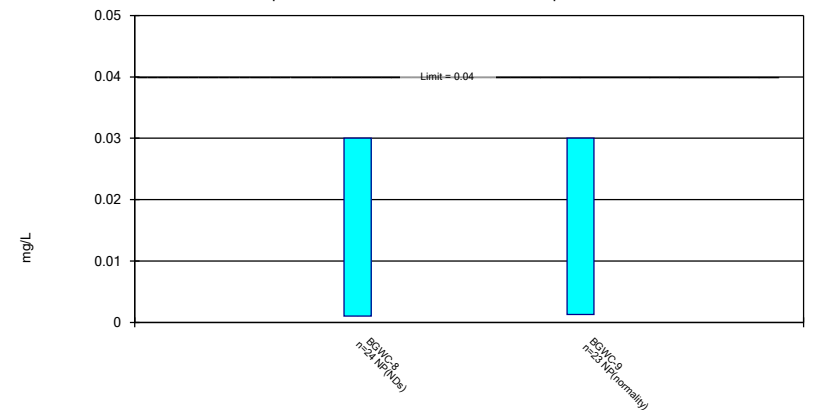
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

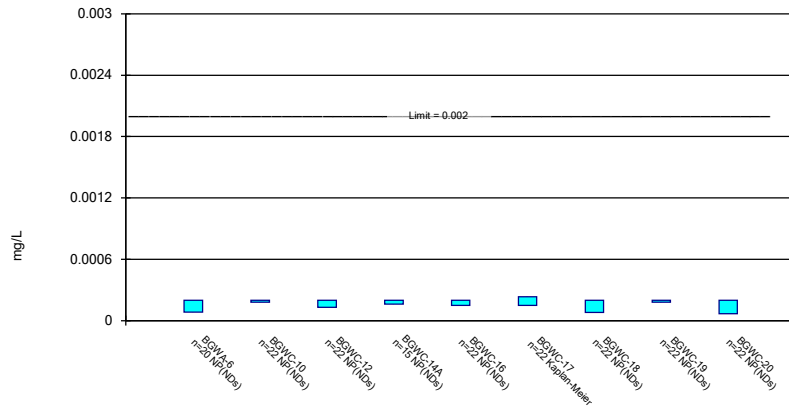
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

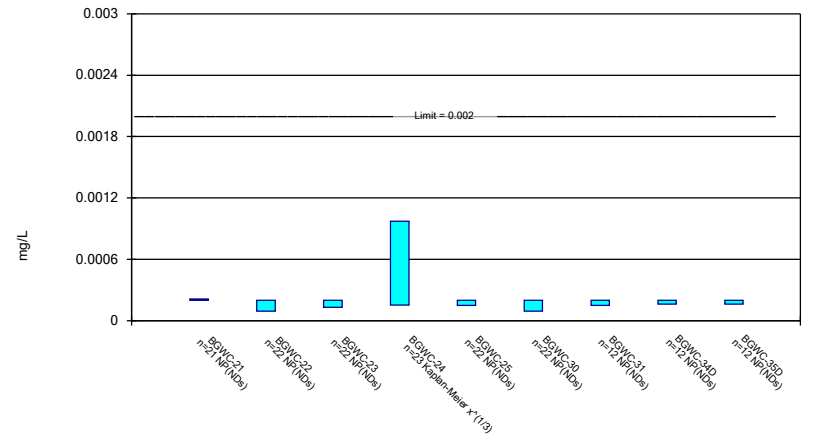
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

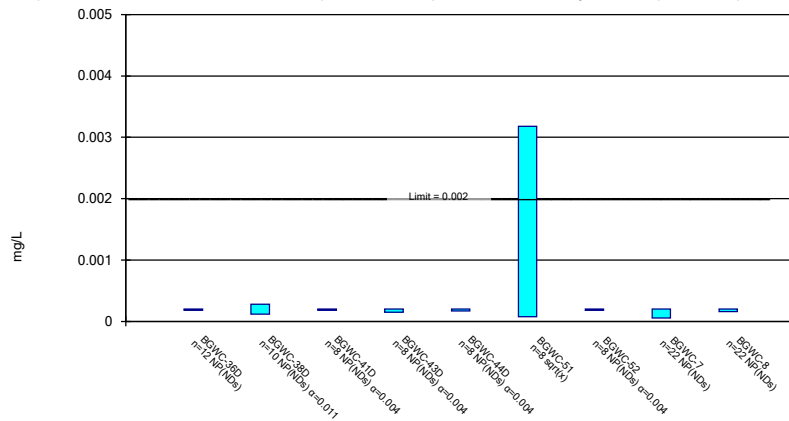
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/1/2023 11:11 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

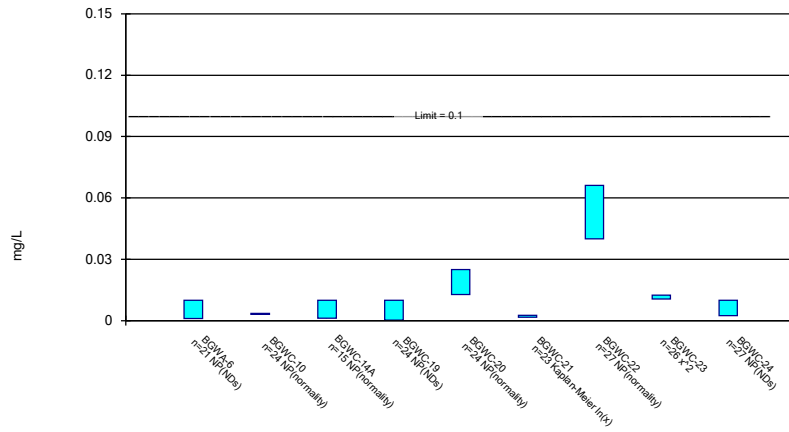
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Mercury Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

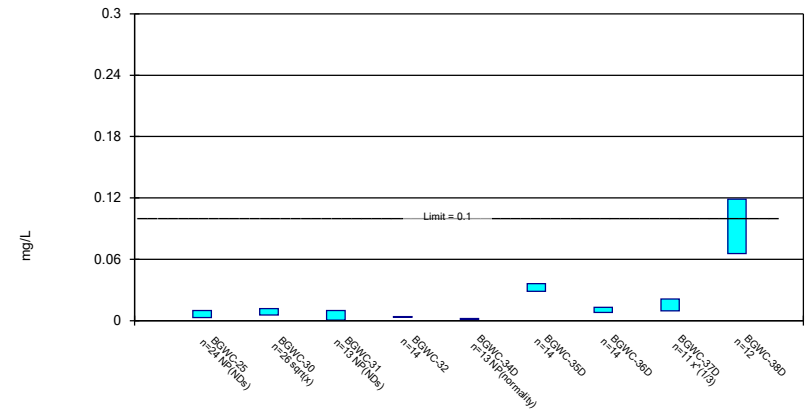
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

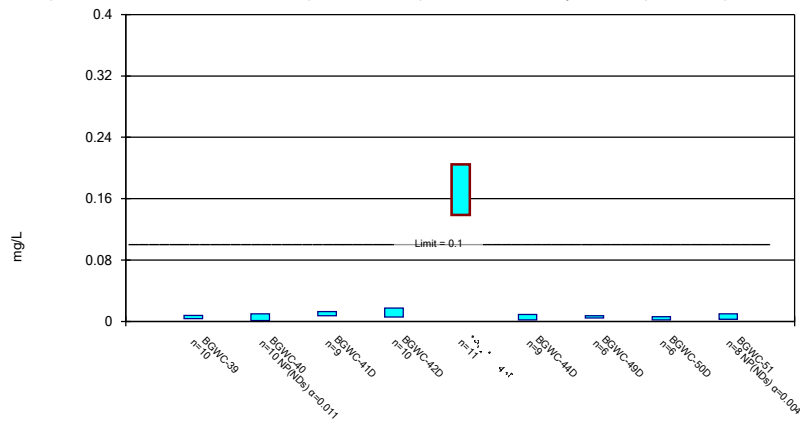
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

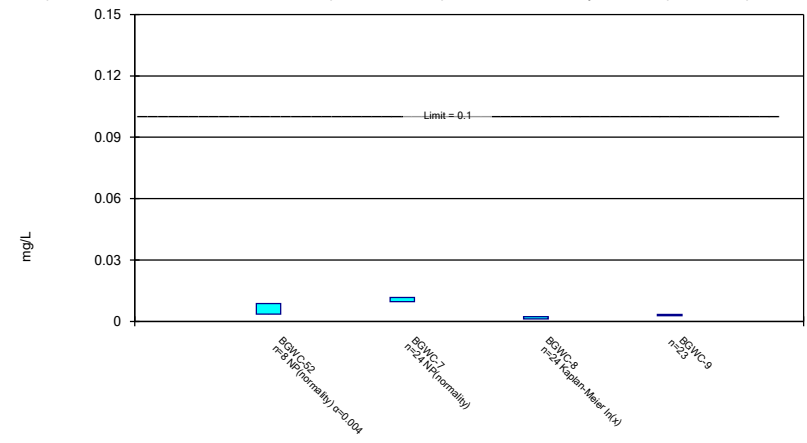
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

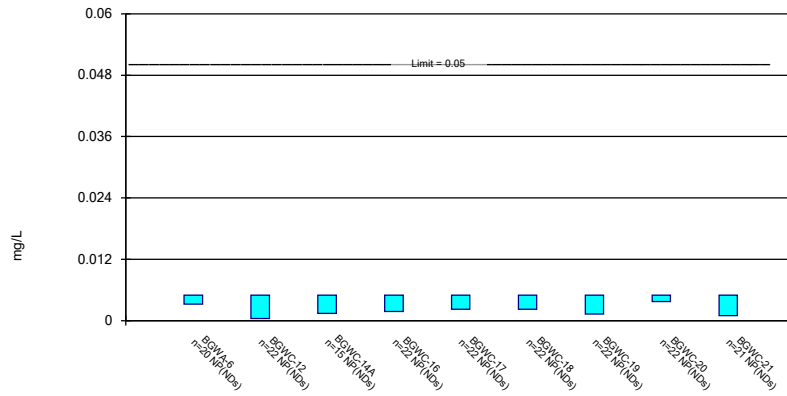
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Non-Parametric Confidence Interval

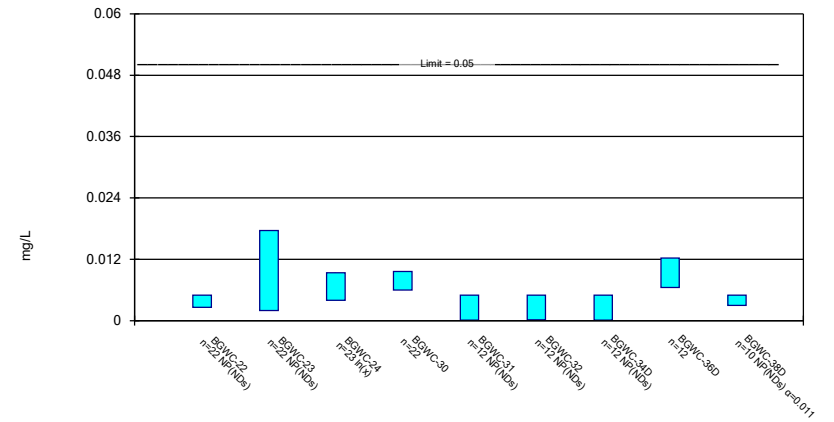
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

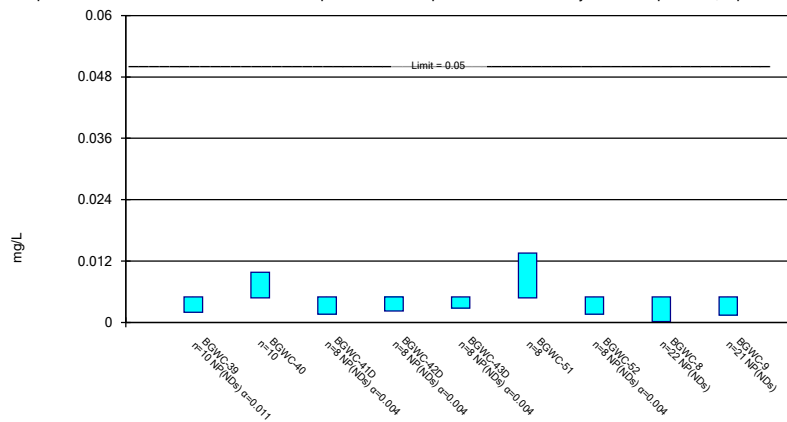
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

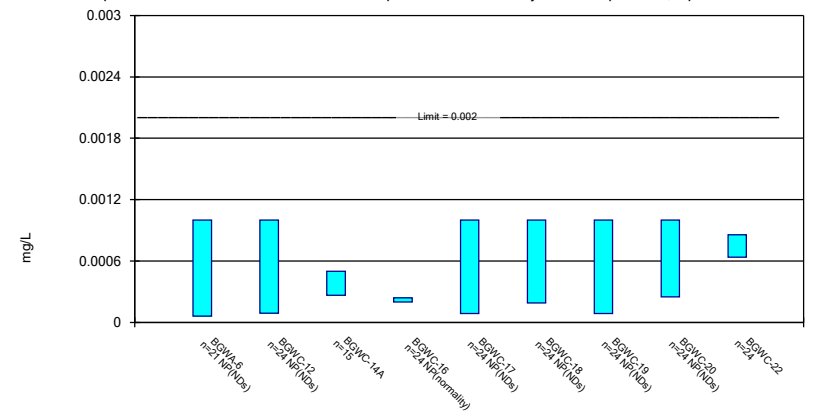
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

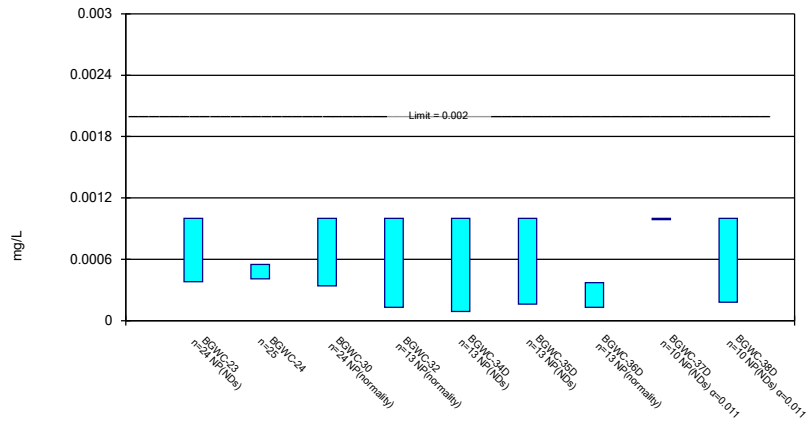
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

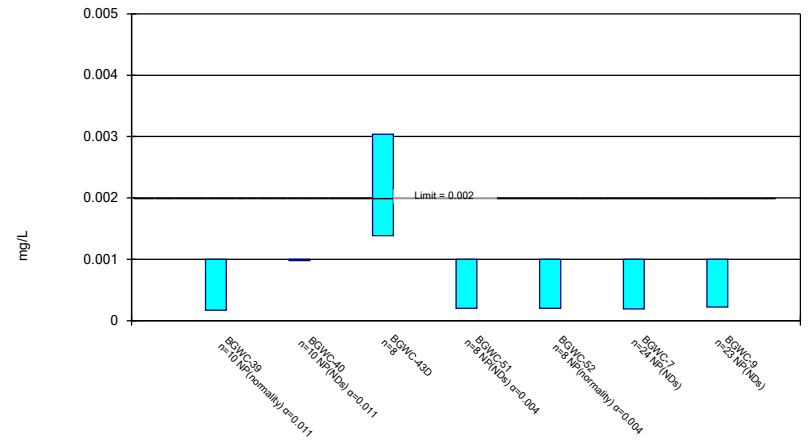
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 11/1/2023 11:12 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-16	BGWC-17	BGWC-19	BGWC-20	BGWC-21	BGWC-22
6/6/2016	<0.003								
6/7/2016		0.0022 (J)		<0.003	<0.003				
6/8/2016						<0.003	<0.003	<0.003	<0.003
8/10/2016	<0.003								
8/11/2016				0.0004 (J)	0.0002 (J)				
8/12/2016						<0.003	<0.003		
8/16/2016		<0.003							
8/18/2016								<0.003	0.0023 (J)
10/4/2016	<0.003								
10/7/2016		<0.003		<0.003	<0.003	<0.003			
10/10/2016							<0.003	<0.003	0.0021 (J)
12/1/2016	<0.003								
12/6/2016		<0.003		<0.003	<0.003				
12/7/2016						<0.003	<0.003		
12/8/2016								<0.003	<0.003
2/14/2017	<0.003								
2/16/2017		<0.003		<0.003	<0.003	<0.003			
2/17/2017							<0.003	<0.003	<0.003
4/13/2017	<0.003								
4/18/2017		<0.003		<0.003					
4/19/2017					<0.003	<0.003	<0.003	<0.003	
4/20/2017									<0.003
5/25/2017	<0.003								
5/30/2017				<0.003	<0.003				
6/1/2017						<0.003	<0.003	<0.003	
6/2/2017		<0.003							
6/5/2017									<0.003
7/7/2017	<0.003								
7/12/2017		<0.003							
7/14/2017				<0.003	<0.003	<0.003			
7/18/2017							<0.003	<0.003	
7/19/2017									<0.003
3/27/2018		<0.003		<0.003	<0.003	<0.003			
3/28/2018							<0.003	<0.003	
3/29/2018									<0.003
2/25/2019				<0.003					
2/27/2019					<0.003		<0.003		
2/28/2019		<0.003							
3/1/2019						<0.003			<0.003
2/18/2020	<0.003								
2/20/2020		<0.003		<0.003					
2/24/2020					<0.003	<0.003	<0.003		
2/25/2020									<0.003
2/26/2020								<0.003	
3/19/2020	<0.003			<0.003	<0.003				
3/20/2020						<0.003		<0.003	<0.003
3/23/2020		<0.003					0.0014 (J)		
5/22/2020			<0.003						
6/23/2020			<0.003						
7/28/2020			<0.003						
9/2/2020			<0.003						
9/23/2020	<0.003								

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-16	BGWC-17	BGWC-19	BGWC-20	BGWC-21	BGWC-22
9/24/2020		<0.003		<0.003	<0.003			<0.003	<0.003
9/28/2020						0.0005 (J)	0.0005 (J)		
10/1/2020			0.0003 (J)						
11/10/2020			0.00061 (J)						
12/15/2020			<0.003						
1/20/2021			<0.003						
2/18/2021	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		
2/19/2021								<0.003	0.00028 (J)
3/24/2021			<0.003	<0.003	<0.003				
3/26/2021						<0.003			
3/29/2021							<0.003	<0.003	<0.003
3/30/2021		<0.003							
3/31/2021	<0.003								
8/16/2021	<0.003								
8/18/2021		<0.003	<0.003	<0.003					
8/19/2021					<0.003				
8/20/2021						<0.003	<0.003	0.0014 (J)	
8/23/2021									<0.003
2/9/2022	<0.003		<0.003						
2/11/2022		0.0021 (J)		<0.003	<0.003				
2/15/2022									<0.003
2/16/2022						<0.003	<0.003	0.0017 (J)	
7/26/2022	<0.003		<0.003						
7/27/2022				<0.003	<0.003	<0.003	<0.003		
7/28/2022		0.0015 (J)						<0.003	
8/2/2022									<0.003
1/25/2023	0.0017 (J)								
1/26/2023			<0.003	<0.003	<0.003				
1/27/2023		<0.003				<0.003		<0.003	
1/30/2023							<0.003		
2/7/2023									<0.003
8/15/2023	<0.003								
8/16/2023			<0.003						
8/17/2023		<0.003		<0.003	<0.003				
8/18/2023						<0.003	<0.003		
8/22/2023									<0.003
8/23/2023								<0.003	
Mean	0.002928	0.00284	0.002661	0.00287	0.00286	0.002875	0.002795	0.002847	0.002784
Std. Dev.	0.0003064	0.0004096	0.0008974	0.0005814	0.0006261	0.000559	0.0006476	0.0004599	0.0006393
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0017	0.0022	0.00061	0.0004	0.0002	0.0005	0.0014	0.0017	0.0023

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-23	BGWC-24	BGWC-25	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D
6/8/2016			<0.003						
6/9/2016	<0.003	<0.003							
8/15/2016			0.0013 (J)						
8/18/2016	0.0009 (J)	<0.003							
10/10/2016	<0.003	<0.003	<0.003						
12/7/2016	<0.003	<0.003							
12/8/2016			<0.003						
2/20/2017	<0.003	<0.003	<0.003						
4/19/2017	<0.003	<0.003							
4/20/2017			<0.003						
6/1/2017			<0.003						
6/5/2017	<0.003	<0.003							
7/17/2017	<0.003	<0.003	<0.003						
3/28/2018			<0.003						
3/29/2018	<0.003	<0.003							
3/1/2019	<0.003	<0.003	<0.003						
2/25/2020	<0.003						<0.003		<0.003
2/26/2020		<0.003	<0.003	<0.003				<0.003	
2/27/2020					<0.003	<0.003			
3/23/2020	0.00053 (J)			<0.003				<0.003	
3/24/2020			<0.003		<0.003	<0.003			<0.003
3/25/2020		<0.003					<0.003		
9/24/2020	<0.003								
9/25/2020		0.00048 (J)			0.00039 (J)		0.00064 (J)		0.0022 (J)
9/28/2020			<0.003	0.00038 (J)		0.00049 (J)		<0.003	
2/19/2021	0.00031 (J)	0.00036 (J)				<0.003			
2/22/2021				<0.003			0.00066 (J)		0.00041 (J)
2/23/2021			<0.003		0.00036 (J)				
3/8/2021								0.00096 (J)	
3/25/2021								<0.003	
3/26/2021	<0.003	<0.003	<0.003				<0.003		<0.003
3/29/2021				<0.003					
3/30/2021					<0.003	0.00079 (J)			
8/19/2021			<0.003						
8/20/2021				<0.003			<0.003		<0.003
8/23/2021	0.0029 (J)	0.0028 (J)						<0.003	
8/24/2021						<0.003			
8/25/2021					<0.003				
2/14/2022	0.0014 (J)							<0.003	
2/15/2022		0.0048							
2/16/2022			<0.003	<0.003	<0.003	<0.003			
2/17/2022							<0.003		<0.003
7/27/2022			<0.003						
7/28/2022				<0.003		<0.003	<0.003		<0.003
7/29/2022					<0.003			<0.003	
8/1/2022	0.0022 (J)								
8/2/2022		0.015 (o)							
10/21/2022		0.0032 (R)							
1/27/2023			<0.003	<0.003					
1/30/2023						<0.003	<0.003		<0.003
1/31/2023					<0.003				
2/1/2023		<0.003						<0.003	

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-23	BGWC-24	BGWC-25	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D
2/2/2023	0.007								
5/10/2023	0.0032								
8/17/2023			<0.003						
8/18/2023				<0.003	<0.003	<0.003			
8/21/2023								<0.003	
8/23/2023	<0.003								
8/24/2023							<0.003		<0.003
8/25/2023		0.0021 (J)							
Mean	0.002735	0.002787	0.002915	0.002738	0.002475	0.002528	0.00253	0.002796	0.002661
Std. Dev.	0.001333	0.0009331	0.0003801	0.0008285	0.001107	0.0009976	0.0009909	0.0006451	0.0008299
Upper Lim.	0.0032	0.0032	0.003	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0022	0.0028	0.0013	0.003	0.00039	0.00079	0.00066	0.003	0.0022

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-38D	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51
2/27/2020	0.0003 (J)								
2/28/2020		<0.003							
3/24/2020	<0.003								
3/25/2020		<0.003							
9/2/2020	0.0016 (J)		0.0014 (J)						
9/3/2020				0.00072 (J)	0.00091 (J)	0.0021 (J)			
9/29/2020		<0.003							
1/28/2021									<0.003
2/18/2021						0.009			
2/22/2021		<0.003	<0.003	0.0019 (J)					
2/23/2021									<0.003
3/8/2021					0.00058 (J)				
3/9/2021	0.00062 (J)								
3/29/2021	<0.003				<0.003				
3/30/2021		0.0005 (J)							0.0019 (J)
3/31/2021			<0.003			0.0026 (J)			
4/1/2021				0.0019 (J)					
4/19/2021							0.00039 (J)	0.0019 (J)	
8/18/2021						0.0015 (J)		<0.003	
8/19/2021	0.01								
8/20/2021				0.00083 (J)					
8/23/2021					<0.003				<0.003
8/24/2021		<0.003	0.0014 (J)				<0.003		
2/9/2022						<0.003		<0.003	
2/14/2022	0.0067								<0.003
2/15/2022			<0.003		<0.003				
2/16/2022		<0.003							
2/17/2022				<0.003			<0.003		
7/26/2022						0.0011 (J)		<0.003	
7/28/2022		<0.003		<0.003					
7/29/2022			<0.003						
8/1/2022					<0.003		<0.003		<0.003
8/2/2022	0.0015 (J)								
1/25/2023						<0.003		0.0017 (J)	
1/30/2023				<0.003					
1/31/2023		<0.003							<0.003
2/1/2023			<0.003				<0.003		
2/7/2023	0.00082 (J)				<0.003				
8/15/2023						<0.003		<0.003	
8/18/2023		<0.003							
8/21/2023	<0.003								<0.003
8/22/2023							<0.003		
8/23/2023			<0.003		<0.003				
8/24/2023				<0.003					
Mean	0.003054	0.00275	0.0026	0.002169	0.002436	0.003163	0.002565	0.0026	0.002863
Std. Dev.	0.003066	0.0007906	0.0007407	0.0009856	0.001048	0.002467	0.001066	0.0006229	0.0003889
Upper Lim.	0.004254	0.003	0.003	0.003	0.003	0.004129	0.003	0.003	0.003
Lower Lim.	0.0003617	0.003	0.0014	0.00072	0.00058	0.001097	0.00039	0.0017	0.0019

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016				<0.003
6/7/2016			<0.003	
6/8/2016		<0.003		
8/10/2016			0.0004 (J)	
8/11/2016		0.0005 (J)		0.0003 (J)
10/4/2016			<0.003	
10/5/2016				<0.003
10/6/2016		0.0015 (J)		
12/2/2016			<0.003	
12/5/2016				<0.003
12/6/2016		<0.003		
2/14/2017			<0.003	
2/15/2017		<0.003		<0.003
4/14/2017			<0.003	
4/17/2017				<0.003
4/18/2017		0.0003 (J)		
5/26/2017			<0.003	<0.003
6/2/2017		<0.003		
7/10/2017			<0.003	
7/11/2017				<0.003
7/14/2017		<0.003		
3/26/2018			<0.003	
3/27/2018		<0.003		<0.003
2/25/2019			<0.003	
2/28/2019		<0.003		
2/19/2020			<0.003	
2/20/2020				<0.003
2/21/2020		0.0016 (J)		
3/18/2020			<0.003	
3/19/2020		<0.003		<0.003
9/23/2020			<0.003	
9/24/2020				<0.003
9/25/2020		<0.003		
1/28/2021	0.0019 (J)			
2/16/2021			0.00046 (J)	
2/17/2021				0.00075 (J)
2/18/2021		<0.003		
2/23/2021	0.00053 (J)			
3/24/2021			0.00059 (J)	0.00038 (J)
3/30/2021	0.00085 (J)	<0.003		
8/18/2021			<0.003	0.0014 (J)
8/19/2021		<0.003		
8/23/2021	<0.003			
2/10/2022			<0.003	<0.003
2/11/2022		<0.003		
2/14/2022	<0.003			
7/26/2022			<0.003	<0.003
7/28/2022	<0.003	<0.003		
1/26/2023		<0.003	<0.003	<0.003
1/31/2023	<0.003			
8/16/2023			<0.003	
8/17/2023		<0.003		<0.003

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
8/22/2023	<0.003			
Mean	0.002285	0.002595	0.002623	0.002517
Std. Dev.	0.001059	0.0008727	0.0009225	0.0009818
Upper Lim.	0.003	0.003	0.003	0.003
Lower Lim.	0.00053	0.0016	0.00059	0.0014

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
6/6/2016	<0.005								
6/7/2016		0.0039	<0.005		<0.005	<0.005			
6/8/2016							<0.005	0.00046 (J)	0.0011 (J)
8/10/2016	<0.005								
8/11/2016					<0.005	<0.005			
8/12/2016			0.0009 (J)				<0.005	0.0008 (J)	0.0017 (J)
8/16/2016		0.0091							
10/4/2016	<0.005								
10/6/2016			<0.005						
10/7/2016		0.0074			<0.005	<0.005	<0.005	<0.005	
10/10/2016									<0.005
12/1/2016	<0.005								
12/5/2016			<0.005						
12/6/2016		0.0044 (J)			<0.005	<0.005	<0.005		
12/7/2016								<0.005	<0.005
2/14/2017	<0.005								
2/15/2017			<0.005						
2/16/2017		0.0081			<0.005	<0.005	<0.005	<0.005	
2/17/2017									<0.005
4/13/2017	0.0007 (J)								
4/18/2017		0.0084	0.0009 (J)		0.0007 (J)				
4/19/2017						0.0012 (J)	0.0013 (J)	0.0015 (J)	0.002 (J)
5/25/2017	0.0013 (J)								
5/30/2017					0.0008 (J)	0.0006 (J)			
6/1/2017							0.0005 (J)	0.0008 (J)	0.0017 (J)
6/2/2017		0.008	0.0015 (J)						
7/7/2017	<0.005								
7/12/2017		0.0063							
7/13/2017			0.0006 (J)						
7/14/2017					0.0008 (J)	<0.005	<0.005	0.0006 (J)	
7/18/2017									0.0018 (J)
3/27/2018		0.0064			0.0014 (J)	0.00076 (J)	0.00066 (J)	0.00082 (J)	
3/28/2018			0.0015 (J)						0.0018 (J)
6/12/2018					0.00073 (J)				
6/13/2018									0.0015 (J)
6/14/2018		0.0075	0.00096 (J)			<0.005	<0.005		
6/15/2018								0.00074 (J)	
10/16/2018	0.00095 (J)								
10/17/2018			<0.005			<0.005			
10/18/2018		0.0056			<0.005		<0.005		
10/19/2018								<0.005	
10/22/2018									<0.005
2/25/2019					<0.005				
2/27/2019						0.001 (J)	0.00083 (J)		0.0014 (J)
2/28/2019		0.0058	<0.005						
3/1/2019								<0.005	
4/1/2019			0.00028 (J)						
4/2/2019	0.00032 (J)	0.0057			0.0003 (J)	0.00024 (J)	0.00015 (J)		
4/3/2019								0.00017 (J)	0.00027 (J)
9/23/2019	0.0012 (J)								
9/25/2019		0.0058	0.00085 (J)						
9/26/2019					0.00074 (J)	0.0008 (J)	0.00046 (J)	0.00067 (J)	0.00087 (J)

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
2/18/2020	0.0019 (J)								
2/20/2020		0.0067			0.00042 (J)				
2/24/2020			0.00039 (J)			<0.005	<0.005	<0.005	0.00057 (J)
3/19/2020	<0.005		0.00036 (J)		<0.005	<0.005			
3/20/2020							<0.005	<0.005	
3/23/2020		0.0049 (J)							<0.005
5/22/2020				0.001 (J)					
6/23/2020				<0.005					
7/28/2020				0.0011 (J)					
9/2/2020				<0.005					
9/23/2020	<0.005								
9/24/2020		0.006			<0.005	<0.005	<0.005		
9/25/2020			<0.005						
9/28/2020								<0.005	<0.005
10/1/2020				<0.005					
11/10/2020				<0.005					
12/15/2020				<0.005					
1/20/2021				<0.005					
2/18/2021	0.0011 (J)	0.0054		<0.005	<0.005	<0.005	<0.005	<0.005	0.0016 (J)
2/19/2021			0.0011 (J)						
3/24/2021			0.002 (J)	0.002 (J)	0.0013 (J)	0.0017 (J)	0.0014 (J)		
3/26/2021								<0.005	
3/29/2021									<0.005
3/30/2021		0.0053							
3/31/2021	<0.005								
8/16/2021	<0.005								
8/18/2021		0.0083	0.0039 (J)	0.0034 (J)	<0.005				
8/19/2021						0.0014 (J)	0.002 (J)		
8/20/2021								<0.005	<0.005
2/9/2022	<0.005			<0.005					
2/11/2022		0.0094	<0.005		<0.005	<0.005			
2/16/2022							<0.005	0.0022 (J)	0.0031 (J)
7/26/2022	<0.005			<0.005					
7/27/2022			0.0028 (J)		<0.005	<0.005	<0.005	<0.005	<0.005
7/28/2022		0.005							
1/25/2023	<0.005								
1/26/2023			<0.005	<0.005	<0.005	<0.005	<0.005		
1/27/2023		<0.005						<0.005	
1/30/2023									<0.005
8/15/2023	<0.005								
8/16/2023			<0.005	<0.005					
8/17/2023		0.0062			<0.005	<0.005	<0.005		
8/18/2023								<0.005	0.0045 (J)
Mean	0.003689	0.006337	0.002835	0.004167	0.003425	0.003654	0.003637	0.003282	0.00308
Std. Dev.	0.001919	0.001688	0.00202	0.00152	0.002088	0.001961	0.001997	0.002108	0.001837
Upper Lim.	0.005	0.007199	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0012	0.005476	0.0009	0.002	0.0008	0.0012	0.0013	0.0008	0.0015

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016	0.0015	0.0012 (J)			0.0037				
6/9/2016			0.0012 (J)	0.0016					
8/15/2016					0.003 (J)				
8/18/2016	<0.005	0.0022 (J)	0.003 (J)	0.0054					
10/10/2016	<0.005	0.002 (J)	0.0021 (J)	0.0079	0.0026 (J)				
12/7/2016			0.0023 (J)	0.0121					
12/8/2016	<0.005	<0.005			<0.005				
1/23/2017						<0.005			
2/7/2017						<0.005			
2/17/2017	<0.005	0.0023 (J)							
2/20/2017			0.0025 (J)	0.0063	0.0029 (J)				
3/27/2017						0.0019 (J)			
4/17/2017						0.0017 (J)			
4/19/2017	0.002 (J)		0.0032 (J)	0.0051					
4/20/2017		0.0028 (J)			0.0024 (J)				
5/22/2017						0.0034 (J)			
6/1/2017	0.0011 (J)				0.0025 (J)				
6/5/2017		0.0035 (J)	0.0043 (J)	0.0072		0.0039 (J)			
7/11/2017						0.0016 (J)			
7/17/2017			0.0017 (J)	0.0031 (J)	0.0021 (J)				
7/18/2017	0.0015 (J)								
7/19/2017		0.0028 (J)							
8/23/2017						0.001 (J)			
3/26/2018						0.0015 (J)			
3/28/2018	0.0012 (J)				0.0019 (J)				
3/29/2018		0.0037 (J)	0.0028 (J)	0.0075 (J)					
6/13/2018			0.0019 (J)	0.0045 (J)					
6/14/2018	0.00087 (J)	0.0027 (J)			0.0022 (J)				
6/15/2018						0.00089 (J)			
10/18/2018							0.0034 (J)		
10/19/2018	0.00059 (J)								0.013
10/22/2018		0.0016 (J)	0.0015 (J)	0.0027 (J)	0.0026 (J)	0.00064 (J)		0.00076 (J)	
1/14/2019									0.017
3/1/2019		0.0011 (J)	0.0023 (J)	0.0032 (J)	0.0022 (J)	<0.005			
3/4/2019									0.02
4/2/2019						0.00024 (J)			
4/3/2019	0.00038 (J)	0.0021 (J)	0.00093 (J)	0.0019 (J)					
4/4/2019					0.0016 (J)		0.0036 (J)		0.015
4/5/2019								0.00093 (J)	
9/24/2019							0.0055		0.016
9/26/2019								0.0018 (J)	
9/27/2019		0.0013 (J)	0.00096 (J)			0.00042 (J)			
9/30/2019	<0.005			0.0027 (J)	0.002 (J)				
2/25/2020		0.0014 (J)	0.0012 (J)						
2/26/2020	0.00047 (J)			0.0013 (J)	0.0018 (J)	0.00053 (J)	0.0037 (J)		
2/27/2020								0.00081 (J)	0.017
3/20/2020	<0.005	0.0015 (J)							
3/23/2020			0.0027 (J)			<0.005	0.0054		
3/24/2020					0.0013 (J)			0.0017 (J)	0.02
3/25/2020				<0.005					
9/24/2020	<0.005	0.0019 (J)	0.001 (J)						
9/25/2020				0.0023 (J)		<0.005		0.00093 (J)	

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
9/28/2020					0.0028 (J)		0.0044 (J)		0.018
2/19/2021	0.00079 (J)	0.0039 (J)	0.0049 (J)	0.0054					0.015
2/22/2021							0.0049 (J)		
2/23/2021					0.004 (J)			0.0032 (J)	
3/8/2021						<0.005			
3/25/2021						0.0015 (J)			
3/26/2021			<0.005	<0.005	0.0025 (J)				
3/29/2021	<0.005	<0.005					0.0038 (J)		
3/30/2021								<0.005	0.016
8/19/2021					0.0019 (J)	<0.005			
8/20/2021	<0.005						0.0054		
8/23/2021		0.0036 (J)	0.0043 (J)	0.0032 (J)					
8/24/2021									0.017
8/25/2021								0.0029 (J)	
2/14/2022			0.0065			<0.005			
2/15/2022		0.007		0.0073					
2/16/2022	0.002 (J)				0.0055		0.007	0.0041 (J)	0.02
7/27/2022					0.0027 (J)				
7/28/2022	<0.005						0.0051		0.015
7/29/2022								<0.005	
8/1/2022			0.0085			0.0034 (J)			
8/2/2022		0.0033 (J)		<0.005					
10/21/2022				0.003 (JR)					
1/27/2023	<0.005				<0.005		0.0035 (J)		
1/30/2023									0.014
1/31/2023								0.004 (J)	
2/1/2023				0.0042 (J)		0.0024 (J)			
2/2/2023			0.01						
2/7/2023		0.0028 (J)							
8/17/2023					<0.005				
8/18/2023							0.0054	0.0039 (J)	0.016
8/21/2023						<0.005			
8/22/2023		0.0095							
8/23/2023	<0.005		0.0062						
8/25/2023				0.0081					
Mean	0.003148	0.002883	0.00327	0.00454	0.002571	0.002917	0.0047	0.002695	0.0166
Std. Dev.	0.002015	0.00188	0.002409	0.002646	0.0008645	0.001878	0.001074	0.001617	0.002165
Upper Lim.	0.005	0.003418	0.004071	0.005859	0.00293	0.005	0.005499	0.003245	0.01807
Lower Lim.	0.0011	0.001941	0.001958	0.003221	0.002125	0.001	0.003901	0.001279	0.01513

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D
10/17/2018		0.00082 (J)							
10/22/2018	0.0019 (J)								
4/2/2019		0.00039 (J)							
4/4/2019	0.0018 (J)								
9/26/2019	0.0035 (J)								
9/27/2019		0.00064 (J)							
2/25/2020	0.0013 (J)		0.04						
2/26/2020		<0.005							
2/27/2020				0.0021 (J)	0.00055 (J)				
2/28/2020						0.00062 (J)			
3/23/2020		<0.005							
3/24/2020			0.028	0.0054	<0.005				
3/25/2020	0.00046 (J)					0.00051 (J)			
9/2/2020				0.0012 (J)			0.00092 (J)		
9/3/2020								0.0023 (J)	0.00099 (J)
9/25/2020	0.0021 (J)		0.033						
9/28/2020		<0.005							
9/29/2020					<0.005	<0.005			
2/22/2021	0.0034 (J)		0.019		0.0026 (J)	0.0024 (J)	0.0033 (J)	0.0068	
3/8/2021		0.00096 (J)							0.0013 (J)
3/9/2021				0.0021 (J)					
3/25/2021		0.0021 (J)							
3/26/2021	0.002 (J)		0.013						
3/29/2021				0.0019 (J)					0.001 (J)
3/30/2021						<0.005			
3/31/2021					<0.005		0.0017 (J)		
4/1/2021								0.002 (J)	
8/19/2021				<0.005					
8/20/2021	0.0021 (J)		0.014					0.0064	
8/23/2021		0.0018 (J)							0.0022 (J)
8/24/2021					0.0028 (J)	0.0021 (J)	0.0027 (J)		
2/14/2022		<0.005		0.0036 (J)					
2/15/2022							0.0062		0.0048 (J)
2/16/2022					0.0052	0.0032 (J)			
2/17/2022	0.0065		0.011					0.009	
7/28/2022	<0.005		0.013			<0.005		0.0033 (J)	
7/29/2022		<0.005					0.0034 (J)		
8/1/2022									0.0045 (J)
8/2/2022				0.0025 (J)	0.0055				
1/30/2023	0.005 (J)		0.0074					0.0088	
1/31/2023						0.0022 (J)			
2/1/2023		0.0032 (J)					0.0084		
2/2/2023					0.0048 (J)				
2/7/2023				<0.005					<0.005
8/18/2023						<0.005			
8/21/2023		0.0062		0.0051					
8/23/2023					0.01		0.011		0.0087
8/24/2023	0.016		0.0086					0.0059	
Mean	0.003735	0.003162	0.0187	0.00339	0.004645	0.003103	0.004703	0.005563	0.003249
Std. Dev.	0.004016	0.002111	0.01116	0.00161	0.00246	0.001814	0.003517	0.002754	0.002654
Upper Lim.	0.005348	0.00251	0.02866	0.004038	0.00627	0.002702	0.00843	0.008482	0.005831
Lower Lim.	0.001386	0.0007236	0.008743	0.001489	0.001632	0.000975	0.0009751	0.002643	0.0009037

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016								0.0022
6/7/2016							0.00018 (J)	
6/8/2016						0.0024		
8/10/2016							<0.005	
8/11/2016						0.0024 (J)		0.0028 (J)
10/4/2016							<0.005	
10/5/2016								0.002 (J)
10/6/2016						<0.005		
12/2/2016							<0.005	
12/5/2016								<0.005
12/6/2016						<0.005		
2/14/2017							<0.005	
2/15/2017						0.003 (J)		0.0033 (J)
4/14/2017							0.0007 (J)	
4/17/2017								0.0028 (J)
4/18/2017						0.0029 (J)		
5/26/2017							0.0008 (J)	0.0035 (J)
6/2/2017						0.0031 (J)		
7/10/2017							0.0011 (J)	
7/11/2017								0.0033 (J)
7/14/2017						0.0017 (J)		
3/26/2018							0.0009 (J)	
3/27/2018						0.0028 (J)		0.0021 (J)
6/12/2018							0.00065 (J)	0.0015 (J)
6/13/2018						0.0023 (J)		
10/16/2018							0.00064 (J)	
10/17/2018								0.0035 (J)
10/18/2018						0.0015 (J)		
2/25/2019							<0.005	
2/28/2019						0.0011 (J)		
4/1/2019							0.00041 (J)	0.0026 (J)
4/2/2019						0.0016 (J)		
9/24/2019						0.0031 (J)	0.00047 (J)	0.0033 (J)
2/19/2020							0.0011 (J)	
2/20/2020								0.0019 (J)
2/21/2020						0.0018 (J)		
3/18/2020							0.00042 (J)	
3/19/2020						0.0018 (J)		0.0014 (J)
9/3/2020	0.0033 (J)							
9/23/2020							<0.005	
9/24/2020								0.0021 (J)
9/25/2020						0.0025 (J)		
1/28/2021				0.0012 (J)	0.00099 (J)			
2/16/2021							<0.005	
2/17/2021								0.0019 (J)
2/18/2021	0.0078					0.0026 (J)		
2/23/2021				0.0048 (J)	0.0028 (J)			
3/24/2021							0.0012 (J)	0.0025 (J)
3/30/2021				0.0065 (J)	0.001 (J)	0.0017 (J)		
3/31/2021	0.0043 (J)							
4/19/2021		0.0023 (J)	0.0032 (J)					
8/18/2021	0.0019 (J)		0.0018 (J)				0.0014 (J)	0.0025 (J)

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
8/19/2021						0.0045 (J)		
8/23/2021				0.0033 (J)	0.002 (J)			
8/24/2021		0.003 (J)						
2/9/2022	0.0062		0.0023 (J)					
2/10/2022							<0.005	0.0018 (J)
2/11/2022						0.0022 (J)		
2/14/2022				<0.005	<0.005			
2/17/2022		0.0057						
7/26/2022	0.0041 (J)		0.0035 (J)				<0.005	<0.005
7/28/2022					<0.005	0.0024 (J)		
8/1/2022		0.0076		<0.005				
1/25/2023	0.0043 (J)		<0.005					
1/26/2023						0.0025 (J)	<0.005	<0.005
1/31/2023				<0.005	<0.005			
2/1/2023		0.0073						
8/15/2023	0.0039 (J)		<0.005					
8/16/2023							<0.005	
8/17/2023						0.0041 (J)		<0.005
8/21/2023				0.0057				
8/22/2023		0.0097			0.005			
Mean	0.004475	0.005933	0.003467	0.004562	0.003349	0.002458	0.002707	0.002913
Std. Dev.	0.001796	0.002853	0.001335	0.001629	0.001856	0.0007785	0.00217	0.001153
Upper Lim.	0.006378	0.009852	0.003637	0.005794	0.005	0.002856	0.005	0.00241
Lower Lim.	0.002572	0.002014	0.001763	0.001906	0.00099	0.002061	0.00065	0.001807

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
6/6/2016	0.015								
6/7/2016		0.091	0.027		0.027	0.017			
6/8/2016							0.039	0.036	0.036
8/10/2016	0.0142								
8/11/2016					0.0292	0.0152			
8/12/2016			0.026				0.031	0.0412	0.0283
8/16/2016		0.0667							
10/4/2016	0.0137								
10/6/2016			0.0308						
10/7/2016		0.0631			0.0295	0.0225	0.0427	0.0427	
10/10/2016									0.0288
12/1/2016	0.0144								
12/5/2016			0.0258						
12/6/2016		0.0659			0.0367	0.0171	0.0398		
12/7/2016								0.0338	0.0279
2/14/2017	0.0114								
2/15/2017			0.029						
2/16/2017		0.0621			0.0315	0.0187	0.0309	0.0407	
2/17/2017									0.0316
4/13/2017	0.0115								
4/18/2017		0.0545	0.0294		0.0272				
4/19/2017						0.0183	0.0325	0.042	0.0367
5/25/2017	0.0122								
5/30/2017					0.0316	0.0179			
6/1/2017							0.0331	0.0341	0.0361
6/2/2017		0.0555	0.0354						
7/7/2017	0.012								
7/12/2017		0.0572							
7/13/2017			0.0329						
7/14/2017					0.029	0.0191	0.0349	0.0405	
7/18/2017									0.0346
3/27/2018		0.051			0.027	0.015	0.027	0.029	
3/28/2018			0.034						0.03
6/12/2018					0.029				
6/13/2018									0.031
6/14/2018		0.053	0.032			0.016	0.032		
6/15/2018								0.032	
10/16/2018	0.011								
10/17/2018			0.033			0.015			
10/18/2018		0.053			0.026		0.033		
10/19/2018								0.037	
10/22/2018									0.03
2/25/2019					0.028				
2/27/2019						0.014	0.027		0.032
2/28/2019		0.053	0.033						
3/1/2019								0.028	
4/1/2019			0.023						
4/2/2019	0.011	0.045			0.025	0.015	0.028		
4/3/2019								0.033	0.029
9/23/2019	0.012								
9/25/2019		0.047	0.035						
9/26/2019					0.031	0.023	0.042	0.049	0.032

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
2/18/2020	0.012								
2/20/2020		0.049			0.026				
2/24/2020			0.033			0.014	0.028	0.024	0.033
3/19/2020	0.013		0.034		0.027	0.017			
3/20/2020							0.031	0.034	
3/23/2020		0.042							0.032
5/22/2020				0.036					
6/23/2020				0.029					
7/28/2020				0.049					
9/2/2020				0.04					
9/23/2020	0.01								
9/24/2020		0.041			0.028	0.022	0.031		
9/25/2020			0.038						
9/28/2020								0.03	0.032
10/1/2020				0.039					
11/10/2020				0.037					
12/15/2020				0.042					
1/20/2021				0.042					
2/18/2021	0.012	0.039		0.036	0.028	0.017	0.034	0.026	0.039
2/19/2021			0.043						
3/24/2021			0.039	0.032	0.028	0.018	0.031		
3/26/2021								0.028	
3/29/2021									0.033
3/30/2021		0.041							
3/31/2021	0.052								
8/16/2021	0.044								
8/18/2021		0.036	0.042	0.04	0.027				
8/19/2021						0.015	0.029		
8/20/2021								0.035	0.034
2/9/2022	0.043			0.022					
2/11/2022		0.044	0.043		0.03	0.015			
2/16/2022							0.032	0.036	0.035
7/26/2022	0.016			0.038					
7/27/2022			0.045		0.033	0.015	0.029	0.039	0.032
7/28/2022		0.042							
1/25/2023	0.064								
1/26/2023			0.052	0.025	0.033	0.015	0.034		
1/27/2023		0.04						0.023	
1/30/2023									0.036
8/15/2023	0.014								
8/16/2023			0.049	0.041					
8/17/2023		0.039			0.034	0.015	0.033		
8/18/2023								0.034	0.035
Mean	0.01992	0.05129	0.03518	0.03653	0.02924	0.01695	0.0327	0.0345	0.03271
Std. Dev.	0.01584	0.01237	0.007438	0.007019	0.002878	0.002606	0.004361	0.006406	0.00293
Upper Lim.	0.016	0.05677	0.03897	0.04129	0.03071	0.0183	0.03493	0.03777	0.0342
Lower Lim.	0.0115	0.04488	0.03138	0.03178	0.02777	0.015	0.03048	0.03123	0.03121

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016	0.054	0.092			0.038				
6/9/2016			0.11	0.14					
8/15/2016					0.0321				
8/18/2016	0.0479	0.0953	0.0893	0.113					
10/10/2016	0.0433	0.0954	0.0839	0.0888	0.0283				
12/7/2016			0.0912	0.0289					
12/8/2016	0.0474	0.0991			0.0294				
1/23/2017						0.237			
2/7/2017						0.191			
2/17/2017	0.0483	0.0927							
2/20/2017			0.0813	0.0999	0.0275				
3/27/2017						0.197			
4/17/2017						0.192			
4/19/2017	0.0486		0.087	0.114					
4/20/2017		0.086			0.0279				
5/22/2017						0.197			
6/1/2017	0.0468				0.0313				
6/5/2017		0.0875	0.084	0.135		0.201			
7/11/2017						0.179			
7/17/2017			0.0809	0.134	0.0251				
7/18/2017	0.0494								
7/19/2017		0.0877							
8/23/2017						0.15			
3/26/2018						0.1			
3/28/2018	0.043				0.018				
3/29/2018		0.088	0.085	0.08					
6/13/2018			0.091	0.1					
6/14/2018	0.042	0.093			0.019				
6/15/2018						0.087			
10/18/2018							0.055		
10/19/2018	0.038								0.038
10/22/2018		0.088	0.087	0.1	0.018	0.1		0.096	
3/1/2019		0.087	0.097	0.12	0.021	0.078			
4/2/2019						0.075			
4/3/2019	0.033	0.082	0.087	0.095					
4/4/2019					0.016		0.032		0.031
4/5/2019								0.085	
9/24/2019							0.038		0.036
9/26/2019								0.12	
9/27/2019		0.095	0.11			0.08			
9/30/2019	0.036			0.098	0.016				
2/25/2020		0.062	0.12						
2/26/2020	0.024			0.1	0.015	0.062	0.033		
2/27/2020								0.092	0.036
3/20/2020	0.03	0.075							
3/23/2020			0.11			0.075	0.038		
3/24/2020					0.015			0.094	0.043
3/25/2020				0.096					
9/24/2020	0.031	0.093	0.12						
9/25/2020				0.088		0.07		0.14	
9/28/2020					0.016		0.038		0.042
2/19/2021	0.03	0.086	0.12	0.081					0.053

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
2/22/2021							0.041		
2/23/2021					0.019			0.13	
3/8/2021						0.074			
3/25/2021						0.06			
3/26/2021			0.12	0.075	0.018				
3/29/2021	0.025	0.079					0.039		
3/30/2021								0.13	0.048
8/19/2021					0.019	0.094			
8/20/2021	0.024						0.041		
8/23/2021		0.073	0.11	0.077					
8/24/2021									0.048
8/25/2021								0.099	
2/14/2022			0.11			0.072			
2/15/2022		0.074		0.077					
2/16/2022	0.028				0.019		0.042	0.096	0.052
7/27/2022					0.016				
7/28/2022	0.025						0.039		0.051
7/29/2022								0.09	
8/1/2022			0.099			0.061			
8/2/2022		0.074		0.022					
10/21/2022				0.057 (R)					
1/27/2023	0.021				0.015		0.042		
1/30/2023									0.055
1/31/2023								0.1	
2/1/2023				0.052		0.062			
2/2/2023			0.088						
2/7/2023		0.058							
8/17/2023					0.013				
8/18/2023							0.041	0.079	0.052
8/21/2023						0.051			
8/22/2023		0.068							
8/23/2023	0.036		0.06						
8/25/2023				0.045					
Mean	0.03703	0.08378	0.09673	0.08866	0.02136	0.1144	0.03992	0.1039	0.045
Std. Dev.	0.0101	0.01109	0.01592	0.03069	0.006791	0.0595	0.005499	0.01936	0.007832
Upper Lim.	0.04231	0.08944	0.1049	0.104	0.0243	0.191	0.042	0.1183	0.05082
Lower Lim.	0.03175	0.07812	0.08861	0.07337	0.01773	0.07	0.033	0.08953	0.03918

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D
10/17/2018		0.11							
10/22/2018	0.065								
4/2/2019		0.074							
4/4/2019	0.071								
9/26/2019	0.085								
9/27/2019		0.084							
2/25/2020	0.099		0.12						
2/26/2020		0.064							
2/27/2020				0.24	0.06				
2/28/2020						0.045			
3/23/2020		0.062							
3/24/2020			0.1	0.17	0.04				
3/25/2020	0.12					0.048			
9/2/2020				0.19			0.046		
9/3/2020								0.087	0.083
9/25/2020	0.11		0.1						
9/28/2020		0.067							
9/29/2020					0.096	0.047			
2/22/2021	0.091		0.09		0.054	0.061	0.053	0.13	
3/8/2021		0.073							0.068
3/9/2021				0.096					
3/25/2021		0.073							
3/26/2021	0.07		0.089						
3/29/2021				0.082					0.065
3/30/2021						0.06			
3/31/2021					0.06		0.058		
4/1/2021								0.058	
8/19/2021				0.14					
8/20/2021	0.069		0.09					0.12	
8/23/2021		0.066							0.07
8/24/2021					0.065	0.053	0.06		
2/14/2022		0.064		0.15					
2/15/2022							0.063		0.076
2/16/2022					0.067	0.055			
2/17/2022	0.071		0.087					0.12	
7/28/2022	0.06		0.094			0.047		0.084	
7/29/2022		0.062					0.06		
8/1/2022									0.066
8/2/2022				0.12	0.07				
1/30/2023	0.059		0.087					0.13	
1/31/2023						0.047			
2/1/2023		0.058					0.071		
2/2/2023					0.039				
2/7/2023				0.11					0.059
8/18/2023						0.038			
8/21/2023		0.06		0.1					
8/23/2023					0.072		0.065		0.062
8/24/2023	0.056		0.095					0.074	
Mean	0.07892	0.07054	0.0952	0.1398	0.0623	0.0501	0.0595	0.1004	0.06863
Std. Dev.	0.02045	0.01383	0.009942	0.0491	0.01646	0.007109	0.007578	0.02794	0.007745
Upper Lim.	0.09413	0.084	0.1	0.1836	0.07699	0.05644	0.06753	0.13	0.07683
Lower Lim.	0.06372	0.06	0.087	0.09599	0.04761	0.04376	0.05147	0.07076	0.06042

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016								0.034
6/7/2016							0.0051	
6/8/2016						0.048		
8/10/2016							0.0264	
8/11/2016						0.0428		0.0305
10/4/2016							0.0316	
10/5/2016								0.0289
10/6/2016						0.0404		
12/2/2016							0.026	
12/5/2016								0.0269
12/6/2016						0.0385		
2/14/2017							0.0299	
2/15/2017						0.039		0.0299
4/14/2017							0.0275	
4/17/2017								0.0318
4/18/2017						0.0392		
5/26/2017							0.0328	0.0341
6/2/2017						0.0407		
7/10/2017							0.0305	
7/11/2017								0.0355
7/14/2017						0.0394		
3/26/2018							0.029	
3/27/2018						0.039		0.026
6/12/2018							0.031	0.024
6/13/2018						0.038		
10/16/2018							0.034	
10/17/2018								0.037
10/18/2018						0.037		
2/25/2019							0.03	
2/28/2019						0.041		
4/1/2019							0.025	0.027
4/2/2019						0.031		
9/24/2019						0.035	0.03	0.035
2/19/2020							0.032	
2/20/2020								0.025
2/21/2020						0.03		
3/18/2020							0.028	
3/19/2020						0.031		0.028
9/3/2020	0.02							
9/23/2020							0.029	
9/24/2020								0.031
9/25/2020						0.03		
1/28/2021				0.061	0.076			
2/16/2021							0.028	
2/17/2021								0.03
2/18/2021	0.026					0.031		
2/23/2021				0.054	0.095			
3/24/2021							0.027	0.026
3/30/2021				0.051	0.084	0.035		
3/31/2021	0.025							
4/19/2021		0.077	0.033					
8/18/2021	0.021		0.028				0.029	0.025

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
8/19/2021						0.028		
8/23/2021				0.044	0.063			
8/24/2021		0.094						
2/9/2022	0.023		0.049					
2/10/2022							0.027	0.026
2/11/2022						0.029		
2/14/2022				0.011	0.029			
2/17/2022		0.077						
7/26/2022	0.022		0.051				0.029	0.029
7/28/2022					0.021	0.028		
8/1/2022		0.062		0.0081				
1/25/2023	0.012		0.067					
1/26/2023						0.029	0.029	0.027
1/31/2023				0.011	0.032			
2/1/2023		0.055						
8/15/2023	0.033		0.062					
8/16/2023							0.027	
8/17/2023						0.027		0.03
8/21/2023				0.0094				
8/22/2023		0.074			0.029			
Mean	0.02275	0.07317	0.04833	0.03119	0.05363	0.03529	0.02808	0.02946
Std. Dev.	0.005946	0.01356	0.01544	0.02326	0.0292	0.005717	0.005369	0.003709
Upper Lim.	0.02905	0.09179	0.06954	0.061	0.08457	0.03821	0.03033	0.0314
Lower Lim.	0.01645	0.05454	0.02713	0.0081	0.02268	0.03237	0.02716	0.02752

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-12	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-22	BGWC-23	BGWC-24	BGWC-36D
6/7/2016	<0.0005	<0.0005	<0.0005						
6/8/2016				<0.0005	<0.0005	<0.0005			
6/9/2016							<0.0005	<0.0005	
8/11/2016		<0.0005	<0.0005						
8/12/2016	<0.0005			<0.0005	<0.0005				
8/18/2016						<0.0005	<0.0005	<0.0005	
10/6/2016	<0.0005								
10/7/2016		<0.0005	<0.0005	<0.0005	<0.0005				
10/10/2016						<0.0005	<0.0005	<0.0005	
12/5/2016	<0.0005								
12/6/2016		<0.0005	<0.0005	<0.0005					
12/7/2016					<0.0005		<0.0005	<0.0005	
12/8/2016						<0.0005			
2/15/2017	<0.0005								
2/16/2017		<0.0005	<0.0005	<0.0005	<0.0005				
2/17/2017						<0.0005			
2/20/2017							<0.0005	<0.0005	
4/18/2017	<0.0005	<0.0005							
4/19/2017			<0.0005	<0.0005	8E-05 (J)		<0.0005	<0.0005	
4/20/2017						<0.0005			
5/30/2017		<0.0005	<0.0005						
6/1/2017				9E-05 (J)	7E-05 (J)				
6/2/2017	<0.0005								
6/5/2017						<0.0005	<0.0005	<0.0005	
7/13/2017	<0.0005								
7/14/2017		<0.0005	<0.0005	<0.0005	<0.0005				
7/17/2017							<0.0005	<0.0005	
7/19/2017						<0.0005			
3/27/2018		<0.0005	<0.0005	<0.0005	<0.0005				
3/28/2018	<0.0005								
3/29/2018						<0.0005	<0.0005	<0.0005	
2/25/2019		8.7E-05 (J)							
2/27/2019			<0.0005	0.00011 (J)					
2/28/2019	7.6E-05 (J)								
3/1/2019					<0.0005	0.00012 (J)	<0.0005	<0.0005	
4/1/2019	<0.0005								
4/2/2019		6.3E-05 (J)	<0.0005	5.2E-05 (J)					7E-05 (J)
4/3/2019					<0.0005	6.7E-05 (J)	<0.0005	<0.0005	
9/25/2019	<0.0005								
9/26/2019		8E-05 (J)	<0.0005	<0.0005	<0.0005				
9/27/2019						9.9E-05 (J)	<0.0005		<0.0005
9/30/2019								9.3E-05 (J)	
2/20/2020		0.00012 (J)							
2/24/2020	<0.0005		<0.0005	<0.0005	<0.0005				
2/25/2020						9.3E-05 (J)	<0.0005		
2/26/2020								0.0001 (J)	<0.0005
3/19/2020	<0.0005	0.00012 (J)	<0.0005						
3/20/2020				7.6E-05 (J)	<0.0005	8.8E-05 (J)			
3/23/2020							<0.0005		<0.0005
3/25/2020								0.0001 (J)	
9/24/2020		0.00011 (J)	5.4E-05 (J)	<0.0005		0.00012 (J)	5.4E-05 (J)		
9/25/2020	<0.0005							0.00013 (J)	

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-12	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-22	BGWC-23	BGWC-24	BGWC-36D
9/28/2020					8.8E-05 (J)				<0.0005
2/18/2021		0.00013 (J)	6.5E-05 (J)	6.8E-05 (J)	5.2E-05 (J)				
2/19/2021	4.6E-05 (J)					0.00013 (J)	<0.0005	0.00018 (J)	
3/8/2021									<0.0005
3/24/2021	<0.0005	0.00014 (J)	<0.0005	6.1E-05 (J)					
3/25/2021									<0.0005
3/26/2021					5.5E-05 (J)		<0.0005	<0.0005	
3/29/2021						0.00011 (J)			
8/18/2021	<0.0005	0.00013 (J)							
8/19/2021			6.1E-05 (J)	<0.0005					
8/20/2021					8.7E-05 (J)				
8/23/2021						0.00011 (J)	<0.0005	0.00017 (J)	<0.0005
2/11/2022	<0.0005	0.00013 (J)	<0.0005						
2/14/2022							<0.0005		<0.0005
2/15/2022						0.00012 (J)		0.00027 (J)	
2/16/2022				6.3E-05 (J)	0.0001 (J)				
7/27/2022	<0.0005	0.00017 (J)	5.8E-05 (J)	<0.0005	6.1E-05 (J)				
7/29/2022									<0.0005
8/1/2022							<0.0005		
8/2/2022						0.00012 (J)		<0.0005	
10/21/2022								0.00022 (JR)	
1/26/2023	<0.0005	0.00015 (J)	<0.0005	0.0001 (J)					
1/27/2023					<0.0005				
2/1/2023								0.00031 (J)	<0.0005
2/2/2023							<0.0005		
2/7/2023						0.00013 (J)			
8/16/2023	<0.0005								
8/17/2023		0.00017 (J)	5.7E-05 (J)	<0.0005					
8/18/2023					<0.0005				
8/21/2023									<0.0005
8/22/2023						0.00014 (J)			
8/23/2023							<0.0005		
8/25/2023								0.00024 (J)	
Mean	0.0004601	0.0002773	0.0003998	0.0003464	0.0003451	0.0002703	0.0004797	0.0003614	0.0004642
Std. Dev.	0.0001293	0.0001912	0.0001892	0.0002084	0.0002099	0.0001962	9.509E-05	0.0001689	0.0001241
Upper Lim.	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Lower Lim.	7.6E-05	0.00012	6.5E-05	9E-05	8.7E-05	0.00011	5.4E-05	0.00018	7E-05

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-38D	BGWC-39	BGWC-51	BGWC-52
2/27/2020	8.8E-05 (J)	<0.0005		
3/24/2020	<0.0005	7.9E-05 (J)		
9/2/2020	6E-05 (J)			
9/29/2020		<0.0005		
1/28/2021			8.3E-05 (J)	<0.0005
2/22/2021		<0.0005		
2/23/2021			0.00011 (J)	<0.0005
3/9/2021	<0.0005			
3/29/2021	<0.0005			
3/30/2021			0.00021 (J)	5.2E-05 (J)
3/31/2021		<0.0005		
8/19/2021	5.9E-05 (J)			
8/23/2021			0.00013 (J)	<0.0005
8/24/2021		<0.0005		
2/14/2022	<0.0005		7E-05 (J)	<0.0005
2/16/2022		<0.0005		
7/28/2022				<0.0005
8/1/2022			<0.0005	
8/2/2022	5.4E-05 (J)	<0.0005		
1/31/2023			7.2E-05 (J)	<0.0005
2/2/2023		<0.0005		
2/7/2023	8.7E-05 (J)			
8/21/2023	<0.0005		<0.0005	
8/22/2023				<0.0005
8/23/2023		<0.0005		
Mean	0.0002848	0.0004579	0.0002094	0.000444
Std. Dev.	0.0002271	0.0001331	0.0001849	0.0001584
Upper Lim.	0.0005	0.0005	0.0005	0.0005
Lower Lim.	5.9E-05	0.0005	7E-05	5.2E-05

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24
6/7/2016		0.0011 (J)	<0.0005						
6/8/2016				0.00063 (J)	<0.0005	<0.0005	<0.0005		
6/9/2016								<0.0005	0.00052 (J)
8/11/2016		0.0011	0.0001 (J)						
8/12/2016				0.0004 (J)	<0.0005	<0.0005			
8/18/2016							<0.0005	<0.0005	0.0009 (J)
10/7/2016		0.0012	0.0002 (J)	0.0008 (J)	0.0001 (J)				
10/10/2016						<0.0005	<0.0005	<0.0005	0.0017
12/6/2016		0.0012	0.0001 (J)	0.0006 (J)					
12/7/2016					<0.0005	<0.0005		<0.0005	0.0004 (J)
12/8/2016							0.0002 (J)		
2/16/2017		0.0015	0.0001 (J)	0.0002 (J)	<0.0005				
2/17/2017						8E-05 (J)	<0.0005		
2/20/2017								<0.0005	0.0028
4/18/2017		0.0012							
4/19/2017			0.0001 (J)	9E-05 (J)	<0.0005	<0.0005		<0.0005	0.0035
4/20/2017							<0.0005		
5/30/2017		0.0011	0.0002 (J)						
6/1/2017				0.0003 (J)	0.0001 (J)	<0.0005			
6/5/2017							<0.0005	<0.0005	0.0035
7/14/2017		0.0012	0.0002 (J)	0.0002 (J)	<0.0005				
7/17/2017								<0.0005	0.0037
7/18/2017						<0.0005			
7/19/2017							<0.0005		
3/27/2018		0.0013	<0.0005	<0.0005	<0.0005				
3/28/2018						<0.0005			
3/29/2018							<0.0005	<0.0005	0.0063
6/12/2018		0.0011							
6/13/2018						<0.0005		<0.0005	0.0053
6/14/2018			0.00015 (J)	<0.0005			<0.0005		
6/15/2018					<0.0005				
10/17/2018			<0.0005						
10/18/2018		0.0012		0.00032 (J)					
10/19/2018					<0.0005				
10/22/2018						<0.0005	<0.0005	<0.0005	0.0053
2/25/2019		0.0016							
2/27/2019			<0.0005	<0.0005		<0.0005			
3/1/2019					<0.0005		0.00013 (J)	0.00019 (J)	0.0058
4/2/2019		0.0014	<0.0005	7.3E-05 (J)					
4/3/2019					<0.0005	<0.0005	<0.0005	<0.0005	0.0053
9/26/2019		0.0017 (J)	0.00015 (J)	<0.0005	0.0002 (J)	<0.0005			
9/27/2019							<0.0005	<0.0005	
9/30/2019									0.0075
2/20/2020		0.0019 (J)							
2/24/2020			<0.0005	0.00024 (J)	<0.0005	<0.0005			
2/25/2020							<0.0005	<0.0005	
2/26/2020									0.0064
3/19/2020		0.0017 (J)	<0.0005						
3/20/2020				<0.0005	<0.0005		<0.0005		
3/23/2020						<0.0005		<0.0005	
3/25/2020									0.0082
5/22/2020	<0.0005								

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24
6/23/2020	<0.0005								
7/28/2020	<0.0005								
9/2/2020	0.00014 (J)								
9/24/2020		0.0018 (J)	0.00024 (J)	<0.0005			0.00033 (J)	<0.0005	
9/25/2020									0.0081
9/28/2020					<0.0005	<0.0005			
10/1/2020	0.00019 (J)								
11/10/2020	0.00019 (J)								
12/15/2020	0.00017								
1/20/2021	<0.0005								
2/18/2021	<0.0005	0.0018	<0.0005	<0.0005	<0.0005	<0.0005			
2/19/2021							0.00038 (J)	<0.0005	0.0068
3/24/2021	0.00016 (J)	0.0018	<0.0005	<0.0005					
3/26/2021					<0.0005			<0.0005	0.0062
3/29/2021						<0.0005	<0.0005		
8/18/2021	0.00021 (J)	0.0018							
8/19/2021			0.00017 (J)	<0.0005					
8/20/2021					<0.0005	<0.0005			
8/23/2021							0.00019 (J)	<0.0005	0.0039
2/9/2022	0.00021 (J)								
2/11/2022		0.0019	0.00016 (J)						
2/14/2022								<0.0005	
2/15/2022							0.0002 (J)		0.0042
2/16/2022				<0.0005	<0.0005	<0.0005			
7/26/2022	0.0004 (J)								
7/27/2022		0.0024	0.00029 (J)	<0.0005	<0.0005	<0.0005			
8/1/2022								<0.0005	
8/2/2022							0.00012 (J)		0.00026 (J)
10/21/2022									0.0031 (R)
1/26/2023	<0.0005	0.0021	<0.0005	<0.0005					
1/27/2023					<0.0005				
1/30/2023						<0.0005			
2/1/2023									0.0032
2/2/2023								<0.0005	
2/7/2023							0.001		
8/16/2023	0.00057								
8/17/2023		0.002	0.00028 (J)	<0.0005					
8/18/2023					<0.0005	<0.0005			
8/22/2023							0.00091		
8/23/2023								<0.0005	
8/25/2023									0.0033
Mean	0.0003493	0.001546	0.00031	0.0004314	0.0004542	0.0004825	0.0004567	0.0004871	0.004247
Std. Dev.	0.0001667	0.0003776	0.0001711	0.0001725	0.000125	8.573E-05	0.0002058	6.328E-05	0.002373
Upper Lim.	0.0005	0.001739	0.0005	0.0006	0.0005	0.0005	0.0005	0.0005	0.00543
Lower Lim.	0.00017	0.001353	0.00016	0.0003	0.0002	8E-05	0.00033	0.00019	0.003064

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-30	BGWC-38D	BGWC-39	BGWC-43D	BGWC-51	BGWC-52
1/23/2017	0.0003 (J)					
2/7/2017	0.0006 (J)					
3/27/2017	0.0003 (J)					
4/17/2017	0.0002 (J)					
5/22/2017	0.0003 (J)					
6/5/2017	0.0003 (J)					
7/11/2017	0.0005 (J)					
8/23/2017	0.0004 (J)					
3/26/2018	<0.0005					
6/15/2018	0.0002 (J)					
10/22/2018	<0.0005					
3/1/2019	<0.0005					
4/2/2019	7.9E-05 (J)					
9/27/2019	<0.0005					
2/26/2020	<0.0005					
2/27/2020		0.00081 (J)	<0.0005			
3/23/2020	<0.0005					
3/24/2020		<0.0005	<0.0005			
9/2/2020		0.00032 (J)				
9/3/2020				0.0011 (J)		
9/25/2020	<0.0005					
9/29/2020			0.0002 (J)			
1/28/2021				0.00031 (J)	0.00025 (J)	
2/22/2021			0.00014 (J)			
2/23/2021				0.00043 (J)	<0.0005	
3/8/2021	<0.0005			0.0003 (J)		
3/9/2021		<0.0005				
3/25/2021	<0.0005					
3/29/2021		<0.0005		0.00019 (J)		
3/30/2021				0.0007	0.00018 (J)	
3/31/2021			0.00018 (J)			
8/19/2021	<0.0005	<0.0005				
8/23/2021				0.00036 (J)	0.00043 (J)	0.00018 (J)
8/24/2021			0.00031 (J)			
2/14/2022	<0.0005	<0.0005			<0.0005	<0.0005
2/15/2022				0.0015		
2/16/2022			0.00012 (J)			
7/28/2022						<0.0005
8/1/2022	<0.0005			0.0011	<0.0005	
8/2/2022		<0.0005	<0.0005			
1/31/2023					<0.0005	<0.0005
2/1/2023	<0.0005					
2/2/2023			<0.0005			
2/7/2023		<0.0005		0.00014 (J)		
8/21/2023	<0.0005	<0.0005			<0.0005	
8/22/2023						<0.0005
8/23/2023			0.00017 (J)	0.00029 (J)		
Mean	0.0004241	0.000513	0.000312	0.0006225	0.0004838	0.0003888
Std. Dev.	0.0001317	0.0001187	0.0001693	0.000525	0.0001094	0.0001551
Upper Lim.	0.0005	0.0005	0.0005	0.001153	0.0005287	0.0005
Lower Lim.	0.0003	0.0005	0.00014	0.0001451	0.0002588	0.00018

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-20	BGWC-21
6/6/2016	<0.005								
6/7/2016		<0.005	<0.005		<0.005	<0.005			
6/8/2016							<0.005	<0.005	<0.005
8/10/2016	0.0044 (J)								
8/11/2016					<0.005	<0.005			
8/12/2016			<0.005				<0.005	<0.005	
8/16/2016		<0.005							
8/18/2016									<0.005
10/4/2016	<0.005								
10/6/2016			<0.005						
10/7/2016		<0.005			<0.005	<0.005	0.0011 (J)		
10/10/2016								<0.005	<0.005
12/1/2016	<0.005								
12/5/2016			<0.005						
12/6/2016		<0.005			<0.005	<0.005	<0.005		
12/7/2016								<0.005	
12/8/2016									<0.005
2/14/2017	<0.005								
2/15/2017			<0.005						
2/16/2017		<0.005			<0.005	<0.005	<0.005		
2/17/2017								<0.005	<0.005
4/13/2017	<0.005								
4/18/2017		<0.005	<0.005		<0.005				
4/19/2017						<0.005	<0.005	<0.005	<0.005
5/25/2017	<0.005								
5/30/2017					<0.005	<0.005			
6/1/2017							<0.005	<0.005	<0.005
6/2/2017		<0.005	0.0003 (J)						
7/7/2017	<0.005								
7/12/2017		<0.005							
7/13/2017			<0.005						
7/14/2017					<0.005	<0.005	<0.005		
7/18/2017								<0.005	<0.005
3/27/2018		<0.005			<0.005	<0.005	<0.005		
3/28/2018			<0.005					<0.005	<0.005
2/25/2019					<0.005				
2/27/2019						<0.005	<0.005	0.0048 (J)	
2/28/2019		<0.005	<0.005						
4/1/2019			<0.005						
4/2/2019	<0.005	<0.005			<0.005	0.00044 (J)	<0.005		
4/3/2019								0.00088 (J)	<0.005
9/23/2019	<0.005								
9/25/2019		<0.005	0.00055 (J)						
9/26/2019					<0.005	<0.005	<0.005	0.0022 (J)	
9/30/2019									<0.005
2/18/2020	<0.005								
2/20/2020		<0.005			<0.005				
2/24/2020			<0.005			<0.005	<0.005	0.00096 (J)	
2/26/2020									<0.005
3/19/2020	0.0015 (J)		0.0004 (J)		0.00071 (J)	0.00039 (J)			
3/20/2020							0.00046 (J)		0.00041 (J)
3/23/2020		0.0011 (J)						0.00091 (J)	

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-20	BGWC-21
5/22/2020				<0.005					
6/23/2020				<0.005					
7/28/2020				<0.005					
9/2/2020				<0.005					
9/23/2020	<0.005								
9/24/2020		<0.005			<0.005	<0.005	<0.005		<0.005
9/25/2020			0.00058 (J)						
9/28/2020								0.0028 (J)	
10/1/2020				<0.005					
11/10/2020				<0.005					
12/15/2020				<0.005					
1/20/2021				<0.005					
2/18/2021	<0.005	<0.005		0.026	0.0019 (J)	<0.005	<0.005	0.00078 (J)	
2/19/2021			<0.005						<0.005
3/24/2021			0.00079 (J)	<0.005	<0.005	<0.005	0.00065 (J)		
3/29/2021								0.0011 (J)	0.0025 (J)
3/30/2021		<0.005							
3/31/2021	<0.005								
8/16/2021	<0.005								
8/18/2021		<0.005	<0.005	<0.005	<0.005				
8/19/2021						<0.005	<0.005		
8/20/2021								<0.005	<0.005
2/9/2022	<0.005			<0.005					
2/11/2022		<0.005	<0.005		<0.005	<0.005			
2/16/2022							<0.005	<0.005	<0.005
7/26/2022	<0.005			<0.005					
7/27/2022			<0.005		<0.005	<0.005	<0.005	<0.005	
7/28/2022		<0.005							<0.005
1/25/2023	<0.005								
1/26/2023			0.0018 (J)	0.0014 (J)	<0.005	<0.005	<0.005		
1/27/2023		<0.005							<0.005
1/30/2023								<0.005	
8/15/2023	<0.005								
8/16/2023			<0.005	<0.005					
8/17/2023		<0.005			<0.005	<0.005	<0.005		
8/18/2023								<0.005	
8/23/2023									<0.005
Mean	0.004795	0.004823	0.003837	0.00616	0.004664	0.004583	0.004419	0.003838	0.004662
Std. Dev.	0.000787	0.0008315	0.001962	0.005566	0.001103	0.001349	0.001501	0.001773	0.001116
Upper Lim.	0.005	0.005	0.005	0.026	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0044	0.0011	0.0018	0.0014	0.0019	0.00044	0.0011	0.0022	0.0025

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-35D	BGWC-36D	BGWC-37D
6/8/2016			<0.005						
6/9/2016	<0.005	<0.005							
8/15/2016			<0.005						
8/18/2016	<0.005	<0.005							
10/10/2016	<0.005	0.0009 (J)	<0.005						
12/7/2016	0.002 (J)	<0.005							
12/8/2016			<0.005						
1/23/2017				0.001 (J)					
2/7/2017				<0.005					
2/20/2017	<0.005	<0.005	<0.005						
3/27/2017				<0.005					
4/17/2017				<0.005					
4/19/2017	<0.005	<0.005							
4/20/2017			<0.005						
5/22/2017				0.0004 (J)					
6/1/2017			<0.005						
6/5/2017	<0.005	<0.005		0.0004 (J)					
7/11/2017				0.0012 (J)					
7/17/2017	<0.005	<0.005	<0.005						
8/23/2017				0.0009 (J)					
3/26/2018				<0.005					
3/28/2018			<0.005						
3/29/2018	<0.005	<0.005							
3/1/2019	0.0033 (J)	<0.005	<0.005	<0.005					
4/2/2019				0.00095 (J)				0.001 (J)	
4/3/2019	0.00057 (J)	<0.005							
4/4/2019			<0.005		<0.005		0.0011 (J)		
4/5/2019					<0.005				
9/24/2019					0.00064 (J)				
9/26/2019						0.00062 (J)	0.00067 (J)		
9/27/2019	<0.005			0.00056 (J)				0.0006 (J)	
9/30/2019		<0.005	0.0021 (J)						
2/25/2020	<0.005						<0.005		<0.005
2/26/2020		0.00051 (J)	<0.005	0.00073 (J)	<0.005			<0.005	
2/27/2020						0.00072 (J)			
3/23/2020	0.00043 (J)			0.00098 (J)	0.0011 (J)			<0.005	
3/24/2020			<0.005			0.0012 (J)			0.00068 (J)
3/25/2020		<0.005					<0.005		
9/24/2020	<0.005								
9/25/2020		0.00058 (J)		0.00087 (J)		0.00057 (J)	0.00072 (J)		0.00068 (J)
9/28/2020			<0.005		0.00056 (J)			<0.005	
2/19/2021	<0.005	<0.005							
2/22/2021					<0.005		<0.005		<0.005
2/23/2021			<0.005			<0.005			
3/8/2021				0.0011 (J)				0.00057 (J)	
3/25/2021				0.00082 (J)				0.00057 (J)	
3/26/2021	<0.005	<0.005	<0.005				<0.005		<0.005
3/29/2021					<0.005				
3/30/2021						<0.005			
8/19/2021			<0.005	<0.005					
8/20/2021					<0.005		<0.005		<0.005
8/23/2021	0.0015 (J)	<0.005					<0.005		

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-35D	BGWC-36D	BGWC-37D
8/25/2021						0.0043 (J)			
2/14/2022	<0.005			0.0014 (J)				<0.005	
2/15/2022		<0.005							
2/16/2022			<0.005		<0.005	<0.005			
2/17/2022							<0.005		<0.005
7/27/2022			<0.005						
7/28/2022					<0.005		<0.005		<0.005
7/29/2022						<0.005		<0.005	
8/1/2022	<0.005			<0.005					
8/2/2022		<0.005							
10/21/2022		<0.005 (R)							
1/27/2023			<0.005		<0.005				
1/30/2023							<0.005		<0.005
1/31/2023						<0.005			
2/1/2023		<0.005		<0.005				<0.005	
2/2/2023	<0.005								
8/17/2023			<0.005						
8/18/2023					<0.005	<0.005			
8/21/2023				<0.005				<0.005	
8/23/2023	<0.005								
8/24/2023							<0.005		<0.005
8/25/2023		<0.005							
Mean	0.004218	0.004434	0.004868	0.00256	0.003942	0.003534	0.003957	0.003562	0.004136
Std. Dev.	0.001561	0.001495	0.0006183	0.00209	0.001919	0.002051	0.001889	0.002127	0.001821
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0033	0.0009	0.0021	0.00087	0.00064	0.00062	0.00072	0.00057	0.00068

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-51
2/27/2020	0.0031 (J)	<0.005							
2/28/2020			0.00043 (J)						
3/24/2020	0.00042 (J)	0.001 (J)							
3/25/2020			0.00058 (J)						
9/2/2020	<0.005			<0.005					
9/3/2020					<0.005	<0.005	<0.005		
9/29/2020		<0.005	0.00082 (J)						
1/28/2021									<0.005
2/18/2021							0.00093 (J)		
2/22/2021		<0.005	<0.005	<0.005	0.0011 (J)				
2/23/2021									0.0006 (J)
3/8/2021						<0.005			
3/9/2021	<0.005								
3/29/2021	<0.005					<0.005			
3/30/2021			0.00081 (J)						<0.005
3/31/2021		<0.005		0.00068 (J)			0.00094 (J)		
4/1/2021					0.00062 (J)				
4/19/2021								0.00071 (J)	
8/18/2021							<0.005		
8/19/2021	<0.005								
8/20/2021					<0.005				
8/23/2021						<0.005			<0.005
8/24/2021		<0.005	<0.005	<0.005				<0.005	
2/9/2022							<0.005		
2/14/2022	<0.005								<0.005
2/15/2022				<0.005		0.0024 (J)			
2/16/2022		<0.005	0.0011 (J)						
2/17/2022					<0.005			<0.005	
7/26/2022							<0.005		
7/28/2022			<0.005		<0.005				
7/29/2022				<0.005					
8/1/2022						<0.005		<0.005	<0.005
8/2/2022	<0.005	<0.005							
1/25/2023							0.0025 (J)		
1/30/2023					<0.005				
1/31/2023			0.005 (J)						<0.005
2/1/2023				<0.005				<0.005	
2/2/2023		<0.005							
2/7/2023	<0.005					<0.005			
8/15/2023							<0.005		
8/18/2023			<0.005						
8/21/2023	<0.005								<0.005
8/22/2023								<0.005	
8/23/2023		<0.005		<0.005		<0.005			
8/24/2023					<0.005				
Mean	0.004352	0.0046	0.002874	0.00446	0.003965	0.004675	0.003671	0.004285	0.00445
Std. Dev.	0.001505	0.001265	0.002247	0.001527	0.001921	0.0009192	0.001896	0.001751	0.001556
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0031	0.005	0.00058	0.00068	0.00062	0.0024	0.00093	0.00071	0.0006

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016				<0.005
6/7/2016			<0.005	
6/8/2016		<0.005		
8/10/2016			0.0052 (J)	
8/11/2016		<0.005		<0.005
10/4/2016			0.0015 (J)	
10/5/2016				0.002 (J)
10/6/2016		<0.005		
12/2/2016			0.0013 (J)	
12/5/2016				<0.005
12/6/2016		<0.005		
2/14/2017			<0.005	
2/15/2017		<0.005		<0.005
4/14/2017			0.0011 (J)	
4/17/2017				<0.005
4/18/2017		<0.005		
5/26/2017			0.0008 (J)	<0.005
6/2/2017		<0.005		
7/10/2017			0.0009 (J)	
7/11/2017				<0.005
7/14/2017		<0.005		
3/26/2018			<0.005	
3/27/2018		<0.005		<0.005
2/25/2019			<0.005	
2/28/2019		<0.005		
4/1/2019			0.00091 (J)	<0.005
4/2/2019		<0.005		
9/24/2019		0.00055 (J)	0.063	<0.005
2/19/2020			0.0011 (J)	
2/20/2020				<0.005
2/21/2020		<0.005		
3/18/2020			0.0014 (J)	
3/19/2020		0.00061 (J)		<0.005
9/23/2020			0.0013 (J)	
9/24/2020				<0.005
9/25/2020		<0.005		
1/28/2021	<0.005			
2/16/2021			0.001 (J)	
2/17/2021				<0.005
2/18/2021		<0.005		
2/23/2021	<0.005			
3/24/2021			0.0013 (J)	<0.005
3/30/2021	0.00061 (J)	0.00095 (J)		
8/18/2021			0.0012 (J)	<0.005
8/19/2021		<0.005		
8/23/2021	<0.005			
2/10/2022			0.0014 (J)	<0.005
2/11/2022		<0.005		
2/14/2022	0.0013 (J)			
7/26/2022			<0.005	<0.005
7/28/2022	<0.005	<0.005		
1/26/2023		<0.005	0.0014 (J)	0.0021 (J)

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
1/31/2023	0.0016 (J)			
8/16/2023			<0.005	
8/17/2023		<0.005		<0.005
8/22/2023	<0.005			
Mean	0.003564	0.004414	0.005219	0.004719
Std. Dev.	0.002001	0.001511	0.01303	0.0008875
Upper Lim.	0.005	0.005	0.005	0.005
Lower Lim.	0.00061	0.00095	0.0011	0.0021

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
6/6/2016	<0.005								
6/7/2016		<0.005	<0.005		0.0037	<0.005			
6/8/2016							0.00071 (J)	<0.005	<0.005
8/10/2016	0.0006 (J)								
8/11/2016					0.0039 (J)	<0.005			
8/12/2016			<0.005				0.0006 (J)	<0.005	<0.005
8/16/2016		<0.005							
10/4/2016	<0.005								
10/6/2016			<0.005						
10/7/2016		<0.005			0.0043 (J)	<0.005	0.0005 (J)	<0.005	
10/10/2016									<0.005
12/1/2016	<0.005								
12/5/2016			0.0006 (J)						
12/6/2016		<0.005			0.005 (J)	<0.005	0.0009 (J)		
12/7/2016								<0.005	0.0008 (J)
2/14/2017	<0.005								
2/15/2017			<0.005						
2/16/2017		<0.005			0.0054 (J)	<0.005	<0.005	<0.005	
2/17/2017									<0.005
4/13/2017	<0.005								
4/18/2017		<0.005	<0.005		0.0054 (J)				
4/19/2017						<0.005	<0.005	<0.005	<0.005
5/25/2017	<0.005								
5/30/2017					0.0045 (J)	<0.005			
6/1/2017							<0.005	<0.005	<0.005
6/2/2017		<0.005	<0.005						
7/7/2017	<0.005								
7/12/2017		<0.005							
7/13/2017			0.0003 (J)						
7/14/2017					0.0049 (J)	<0.005	<0.005	<0.005	
7/18/2017									<0.005
3/27/2018		<0.005			<0.01	<0.005	<0.005	<0.005	
3/28/2018			<0.005						<0.005
6/12/2018					0.0048 (J)				
6/13/2018									<0.005
6/14/2018		<0.005	<0.005			<0.005	<0.005		
6/15/2018								<0.005	
10/16/2018	0.00094 (J)								
10/17/2018			<0.005			<0.005			
10/18/2018		<0.005			0.0047 (J)		<0.005		
10/19/2018								<0.005	
10/22/2018									<0.005
2/25/2019					0.0071 (J)				
2/27/2019						<0.005	<0.005		<0.005
2/28/2019		<0.005	<0.005						
3/1/2019								<0.005	
4/1/2019			0.00034 (J)						
4/2/2019	0.00016 (J)	0.00027 (J)			0.0056 (J)	0.00015 (J)	0.00012 (J)		
4/3/2019								7.2E-05 (J)	0.00024 (J)
9/23/2019	0.00042 (J)								
9/25/2019		0.00056 (J)	0.0004 (J)						
9/26/2019					0.0093	<0.005	<0.005	<0.005	<0.005

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
2/18/2020	0.00032 (J)								
2/20/2020		<0.005			0.0092				
2/24/2020			0.00034 (J)			<0.005	<0.005	<0.005	<0.005
3/19/2020	<0.005		0.00035 (J)		0.0089	<0.005			
3/20/2020							<0.005	<0.005	
3/23/2020		0.00031 (J)							0.00036 (J)
5/22/2020				0.00041 (J)					
6/23/2020				<0.005					
7/28/2020				<0.005					
9/2/2020				0.001 (J)					
9/23/2020	<0.005								
9/24/2020		<0.005			0.0095	<0.005	<0.005		
9/25/2020			0.00049 (J)						
9/28/2020								<0.005	<0.005
10/1/2020				0.0018 (J)					
11/10/2020				0.0016 (J)					
12/15/2020				0.0018					
1/20/2021				0.0019 (J)					
2/18/2021	<0.005	<0.005		0.0013 (J)	0.0088	<0.005	<0.005	<0.005	<0.005
2/19/2021			0.00066 (J)						
3/24/2021			0.00048 (J)	<0.005	0.0078	<0.005	<0.005		
3/26/2021								<0.005	
3/29/2021									<0.005
3/30/2021		0.00052 (J)							
3/31/2021	0.00094 (J)								
8/16/2021	0.00052 (J)								
8/18/2021		0.00042 (J)	0.00085 (J)	0.0034 (J)	0.0098				
8/19/2021						<0.005	<0.005		
8/20/2021								<0.005	<0.005
2/9/2022	0.0005 (J)			<0.005					
2/11/2022		0.00047 (J)	0.00057 (J)		0.0097	<0.005			
2/16/2022							<0.005	<0.005	<0.005
7/26/2022	<0.005			0.003 (J)					
7/27/2022			<0.005		0.012	<0.005	<0.005	<0.005	<0.005
7/28/2022		0.00058 (J)							
1/25/2023	0.00074 (J)								
1/26/2023			0.00045 (J)	0.0033 (J)	0.0098	<0.005	<0.005		
1/27/2023		0.00051 (J)						<0.005	
1/30/2023									<0.005
8/15/2023	<0.005								
8/16/2023			<0.005	0.0017 (J)					
8/17/2023		0.00043 (J)			0.011	<0.005	<0.005		
8/18/2023								<0.005	<0.005
Mean	0.003102	0.003295	0.002743	0.002747	0.007087	0.004798	0.004076	0.004795	0.004433
Std. Dev.	0.002252	0.00225	0.002308	0.001618	0.002565	0.00099	0.001843	0.001006	0.001534
Upper Lim.	0.005	0.005	0.005	0.002446	0.008396	0.005	0.005	0.005	0.005
Lower Lim.	0.00052	0.00051	0.00045	0.001162	0.005779	0.00015	0.0009	7.2E-05	0.0008

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016	0.00041 (J)	0.0079			<0.005				
6/9/2016			<0.005	0.0026					
8/15/2016					<0.005				
8/18/2016	<0.005	0.0109	<0.005	0.0021 (J)					
10/10/2016	<0.005	0.011	<0.005	0.0018 (J)	<0.005				
12/7/2016			0.0015 (J)	0.0018 (J)					
12/8/2016	0.0006 (J)	0.013			0.0006 (J)				
1/23/2017						0.0012 (J)			
2/7/2017						0.0008 (J)			
2/17/2017	<0.005	0.0122							
2/20/2017			<0.005	0.0027 (J)	<0.005				
3/27/2017						0.001 (J)			
4/17/2017						0.0009 (J)			
4/19/2017	<0.005		<0.005	0.0032 (J)					
4/20/2017		0.0116			<0.005				
5/22/2017						0.0008 (J)			
6/1/2017	<0.005				<0.005				
6/5/2017		0.0112	<0.005	0.0034 (J)		0.0008 (J)			
7/11/2017						0.0008 (J)			
7/17/2017			<0.005	0.0033 (J)	<0.005				
7/18/2017	0.0004 (J)								
7/19/2017		0.0131							
8/23/2017						0.0006 (J)			
3/26/2018						<0.005			
3/28/2018	<0.005				<0.005				
3/29/2018		0.016	<0.005	<0.005					
6/13/2018			<0.005	0.0039 (J)					
6/14/2018	<0.005	0.017			<0.005				
6/15/2018						<0.005			
10/18/2018							0.00079 (J)		
10/19/2018	<0.005								0.0012 (J)
10/22/2018		0.021	<0.005	0.0043 (J)	<0.005	<0.005		0.0037 (J)	
3/1/2019		0.017	<0.005	0.0055 (J)	<0.005	<0.005			
4/2/2019						0.00022 (J)			
4/3/2019	0.00064 (J)	0.019	0.00058 (J)	0.0048 (J)					
4/4/2019					0.00022 (J)		0.00051 (J)		0.00042 (J)
4/5/2019								0.011	
5/2/2019		0.023 (J)							
5/3/2019								0.0078 (J)	
9/24/2019							0.00041 (J)		<0.005
9/26/2019								0.01	
9/27/2019		0.027	0.00034 (J)			<0.005			
9/30/2019	0.0004 (J)			0.0048 (J)	<0.005				
11/15/2019								0.0077	
2/25/2020		0.017	0.00046 (J)						
2/26/2020	0.00037 (J)			0.0045 (J)	<0.005	<0.005	0.00031 (J)		
2/27/2020								0.00095 (J)	<0.005
3/20/2020	<0.005	0.02							
3/23/2020			0.0004 (J)			<0.005	0.00036 (J)		
3/24/2020					<0.005			0.0037 (J)	0.00039 (J)
3/25/2020				0.0037 (J)					
9/24/2020	0.00098 (J)	0.041	<0.005						

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
9/25/2020				0.0038 (J)		<0.005		0.0081	
9/28/2020					<0.005		0.00046 (J)		0.00048 (J)
2/19/2021	0.0013 (J)	0.032	0.00044 (J)	0.0042 (J)					0.00057 (J)
2/22/2021							<0.005		
2/23/2021					<0.005			0.0062	
3/8/2021						<0.005			
3/25/2021						<0.005			
3/26/2021			<0.005	<0.005	<0.005				
3/29/2021	0.00069 (J)	0.029 (J)					<0.005		
3/30/2021								0.0014 (J)	0.00065 (J)
7/19/2021		0.039	<0.005	0.0034 (J)					
7/20/2021						<0.005			
8/19/2021					<0.005	0.002 (J)			
8/20/2021	0.00058 (J)						<0.005		
8/23/2021		0.029	0.00047 (J)	0.0062					
8/24/2021									0.00085 (J)
8/25/2021								0.0018 (J)	
11/1/2021		0.04	<0.005	0.0038 (J)		<0.005			
2/14/2022			<0.005			<0.005			
2/15/2022		0.03		0.0037 (J)					
2/16/2022	0.0021 (J)				<0.005		<0.005	<0.005	0.001 (J)
7/27/2022					<0.005				
7/28/2022	0.0027 (J)						<0.005		0.0012 (J)
7/29/2022								0.0022 (J)	
8/1/2022			<0.005			<0.005			
8/2/2022		0.034		<0.005					
10/21/2022				0.0026 (J)					
1/27/2023	0.0021 (J)				<0.005		<0.005		
1/30/2023									0.0014 (J)
1/31/2023								0.0029 (J)	
2/1/2023				0.0024 (J)		<0.005			
2/2/2023			<0.005						
2/7/2023		0.017							
8/17/2023					<0.005				
8/18/2023							<0.005	0.001 (J)	0.0014 (J)
8/21/2023						<0.005			
8/22/2023		0.03							
8/23/2023	0.004 (J)		<0.005						
8/25/2023				0.0023 (J)					
Mean	0.002707	0.02181	0.003815	0.003419	0.004617	0.003428	0.002911	0.00473	0.001505
Std. Dev.	0.00206	0.00989	0.002001	0.001124	0.001297	0.002047	0.002351	0.003418	0.001592
Upper Lim.	0.005	0.02653	0.005	0.003955	0.005	0.005	0.005	0.007046	0.000942
Lower Lim.	0.0006	0.01709	0.0015	0.002882	0.0006	0.0009	0.00036	0.002414	0.0004985

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-43D	BGWC-49D
10/17/2018		0.00057 (J)							
10/22/2018	<0.01								
4/2/2019		0.0011 (J)							
4/4/2019	0.0011 (J)								
9/26/2019	0.0019 (J)								
9/27/2019		0.0009 (J)							
12/13/2019					0.0033 (J)				
2/25/2020	0.0011 (J)		0.0015 (J)						
2/26/2020		0.00058 (J)							
2/27/2020				0.014	0.00047 (J)				
2/28/2020						0.00049 (J)			
3/23/2020		0.00049 (J)							
3/24/2020			0.0019 (J)	0.0065	<0.005				
3/25/2020	0.00046 (J)					0.00056 (J)			
9/2/2020				0.0043 (J)			0.00075 (J)		
9/3/2020								0.002 (J)	
9/25/2020	0.00082 (J)		0.0011 (J)						
9/28/2020		0.00038 (J)							
9/29/2020					0.00061 (J)	0.00044 (J)			
2/22/2021	0.0011 (J)		0.0007 (J)		<0.005	0.0006 (J)	0.00053 (J)		
3/8/2021		<0.005						0.0043 (J)	
3/9/2021				0.0014 (J)					
3/25/2021		<0.005							
3/26/2021	0.0015 (J)		0.0011 (J)						
3/29/2021				0.0015 (J)				0.0057	
3/30/2021						0.00052 (J)			
3/31/2021					<0.005		<0.005		
4/19/2021									0.00079 (J)
7/20/2021								0.0057	
8/19/2021				0.004 (J)					
8/20/2021	0.0018 (J)		0.00088 (J)						
8/23/2021		<0.005						0.0051	
8/24/2021					<0.005	0.00061 (J)	0.00044 (J)		0.001 (J)
11/1/2021				0.0033 (J)					
2/14/2022		<0.005		0.0019 (J)					
2/15/2022							<0.005	0.0038 (J)	
2/16/2022					<0.005	0.00052 (J)			
2/17/2022	0.0024 (J)		0.00056 (J)						0.00088 (J)
7/28/2022	0.0038 (J)		<0.005			0.00042 (J)			
7/29/2022		<0.005					0.0004 (J)		
8/1/2022								0.0024 (J)	0.00065 (J)
8/2/2022				0.0019 (J)	<0.005				
1/30/2023	0.0029 (J)		<0.005						
1/31/2023						0.00046 (J)			
2/1/2023		<0.005					0.00067 (J)		0.00089 (J)
2/2/2023					<0.005				
2/7/2023				0.0014 (J)				0.0016 (J)	
8/18/2023						<0.005			
8/21/2023		<0.005		0.0017 (J)					
8/22/2023									0.00093 (J)
8/23/2023					<0.005		0.00049 (J)	0.0031 (J)	
8/24/2023	0.0017 (J)		<0.005						

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-43D	BGWC-49D
Mean	0.001968	0.003002	0.002274	0.003809	0.004035	0.000712	0.00166	0.003744	0.0008567
Std. Dev.	0.001284	0.002254	0.001919	0.003746	0.001801	0.0006315	0.002065	0.001568	0.0001223
Upper Lim.	0.002922	0.005	0.001394	0.005261	0.005	0.00061	0.005	0.005258	0.001025
Lower Lim.	0.001013	0.00049	0.0006629	0.001522	0.00061	0.00044	0.0004	0.002231	0.0006887

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-50D	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016					<0.005
6/7/2016				0.00013 (J)	
6/8/2016			0.00081 (J)		
8/10/2016				0.0003 (J)	
8/11/2016			0.0007 (J)		0.0003 (J)
10/4/2016				<0.005	
10/5/2016					<0.005
10/6/2016			<0.01		
12/2/2016				<0.005	
12/5/2016					0.0006 (J)
12/6/2016			0.0009 (J)		
2/14/2017				<0.005	
2/15/2017			<0.01		<0.005
4/14/2017				<0.005	
4/17/2017					<0.005
4/18/2017			0.0005 (J)		
5/26/2017				<0.005	<0.005
6/2/2017			0.0006 (J)		
7/10/2017				<0.005	
7/11/2017					<0.005
7/14/2017			0.0006 (J)		
3/26/2018				<0.005	
3/27/2018			<0.01		<0.005
6/12/2018				<0.005	<0.005
6/13/2018			0.00068 (J)		
10/16/2018				<0.005	
10/17/2018					<0.005
10/18/2018			<0.01		
2/25/2019				<0.005	
2/28/2019			0.00067 (J)		
4/1/2019				5.6E-05 (J)	0.00024 (J)
4/2/2019			0.00094 (J)		
9/24/2019			0.00078 (J)	0.0012 (J)	<0.005
2/19/2020				<0.005	
2/20/2020					<0.005
2/21/2020			0.00081 (J)		
3/18/2020				<0.005	
3/19/2020			0.00091 (J)		<0.005
9/23/2020				<0.005	
9/24/2020					<0.005
9/25/2020			0.00077 (J)		
1/28/2021		0.0048 (J)			
2/16/2021				<0.005	
2/17/2021					<0.005
2/18/2021			0.00074 (J)		
2/23/2021		0.0033 (J)			
3/24/2021				<0.005	<0.005
3/30/2021		0.0031 (J)	0.00085 (J)		
4/19/2021	0.0013 (J)				
8/18/2021	0.0016 (J)			<0.005	<0.005
8/19/2021			0.0008 (J)		
8/23/2021		0.0036 (J)			

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-50D	BGWC-52	BGWC-7	BGWC-8	BGWC-9
2/9/2022	0.00079 (J)				
2/10/2022				<0.005	<0.005
2/11/2022			0.00068 (J)		
2/14/2022		0.00044 (J)			
7/26/2022	0.00072 (J)			<0.005	<0.005
7/28/2022		0.00082 (J)	0.00074 (J)		
1/25/2023	0.00066 (J)				
1/26/2023			0.00068 (J)	<0.005	<0.005
1/31/2023		0.0045 (J)			
8/15/2023	0.0004 (J)				
8/16/2023				<0.005	
8/17/2023			0.00066 (J)		<0.005
8/22/2023		0.0035 (J)			
Mean	0.0009117	0.003008	0.002284	0.004237	0.004397
Std. Dev.	0.0004475	0.001581	0.003526	0.001753	0.001592
Upper Lim.	0.001526	0.004684	0.00091	0.005	0.005
Lower Lim.	0.0002969	0.001331	0.00068	0.0012	0.0006

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
6/6/2016	0.239 (U)								
6/7/2016		0.616	0.024 (U)		0.284 (U)	0.135 (U)			
6/8/2016							0.406	0.264 (U)	0.863 (U)
8/10/2016	1.19								
8/11/2016					1.71	0.808			
8/12/2016			0.849				1.39	1.18	1.74
8/16/2016		1.08							
10/4/2016	0.231 (U)								
10/6/2016			1.57						
10/7/2016		2.82			0.485 (U)	0.874 (U)	0.451 (U)	1.97	
10/10/2016									0.944 (U)
12/1/2016	0.428 (U)								
12/5/2016			0.956						
12/6/2016		0.719 (U)			1.22	0.131 (U)	0.516 (U)		
12/7/2016								1.31 (U)	2.29
2/14/2017	0.36 (U)								
2/15/2017			0.229 (U)						
2/16/2017		0.966 (U)			0.19 (U)	0.471 (U)	0.172 (U)	0.35 (U)	
2/17/2017									1.35 (U)
4/13/2017	0.387 (U)								
4/18/2017		1.01 (U)	0.0114 (U)		0.52 (U)				
4/19/2017						0.65 (U)	0.704 (U)	0.974 (U)	1.48
5/25/2017	0.123 (U)								
5/30/2017					1.21 (U)	0.65 (U)			
6/1/2017							0.493 (U)	0.332 (U)	1.61
6/2/2017		1.13 (U)	0.375 (U)						
7/7/2017	0.876 (U)								
7/12/2017		1.29							
7/13/2017			0.636 (U)						
7/14/2017					0.526 (U)	0.592 (U)	0.547 (U)	1.27	
7/19/2017									1.626
3/27/2018		0.779 (U)			1.34	0.551 (U)	0.569 (U)	0.169 (U)	
3/28/2018			0.36 (U)						0.97 (U)
6/12/2018					0.732 (U)				
6/13/2018									0.686 (U)
6/14/2018		1.22 (U)	0.316 (U)			0.638 (U)	0.989 (U)		
6/15/2018								0.625 (U)	
10/16/2018	0.881 (U)								
10/17/2018			0.326 (U)			0.555 (U)			
10/18/2018		0.841 (U)			0.522 (U)		0.875 (U)		
10/19/2018								0.784 (U)	
10/22/2018									0.559 (U)
2/25/2019					1.08				
2/27/2019						1.57	1.12		1.24
2/28/2019		1.88	1.04						
3/1/2019								0.989 (U)	
4/1/2019			0.328 (U)						
4/2/2019	0.64 (U)	1.21 (U)			1.73	0.71 (U)	0.814 (U)		
4/3/2019								0.98 (U)	0.567 (U)
9/23/2019	1.13								
9/25/2019		0.816 (U)	0.649 (U)						
9/26/2019					1.45	1.17 (U)	0.973 (U)	1.16	0.662 (U)

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
2/18/2020	0.373 (U)								
2/20/2020		1.47 (U)			1.22 (U)				
2/24/2020			0.455 (U)			1.17	1.07	1.19	1.38
3/19/2020	0.431 (U)		0.838 (U)		1.63	0.626 (U)			
3/20/2020							2.59	0.89 (U)	
3/23/2020		1.69							1.27 (U)
5/22/2020				1.82					
6/23/2020				1.05 (U)					
7/28/2020				1.71					
9/2/2020				0.0158 (U)					
9/23/2020	0.293 (U)								
9/24/2020		1.19 (U)			0.469 (U)	0.594 (U)	0.789 (U)		
9/25/2020			0.818 (U)						
9/28/2020								1.11 (U)	1.07 (U)
10/1/2020				1.19 (U)					
11/10/2020				0.675 (U)					
12/15/2020				1.26					
1/20/2021				0.701 (U)					
2/18/2021	0.232 (U)	1.52		1	0.721 (U)	0.723 (U)	0.62 (U)	1.05 (U)	0.87 (U)
2/19/2021			0.608 (U)						
3/24/2021			0.369 (U)	1.1 (U)	0.92 (U)	0.391 (U)	1.21 (U)		
3/26/2021								0.848 (U)	
3/29/2021									1.49
3/30/2021		1.51 (U)							
3/31/2021	0.301 (U)								
8/16/2021	0.813 (U)								
8/18/2021		1.26	0.19 (U)	0.721 (U)	1.05				
8/19/2021						0.742 (U)	0.858 (U)		
8/20/2021								0.731 (U)	1.42
2/9/2022	0.296 (U)			0.355 (U)					
2/11/2022		1.01 (U)	0.288 (U)		1.03	0.208 (U)			
2/16/2022							0.708 (U)	0.349 (U)	0.322 (U)
7/26/2022	1.15 (U)			0.659 (U)					
7/27/2022			0.705 (U)		0.917 (U)	0.138 (U)	0.737 (U)	0.964 (U)	1.53
7/28/2022		1.18 (U)							
1/25/2023	0.723								
1/26/2023			0.664 (U)	1.31	1.21 (U)	1.02 (U)	1.46		
1/27/2023		1.82						1.16	
1/30/2023									0.563 (U)
8/15/2023	0.409 (U)								
8/16/2023			0.621 (U)	0.263 (U)					
8/17/2023		0.942 (U)			1.21 (U)	1.04 (U)	1.16 (U)		
8/18/2023								1.49 (U)	0.256 (U)
Mean	0.5479	1.249	0.5511	0.922	0.974	0.6732	0.8842	0.9225	1.115
Std. Dev.	0.3351	0.4744	0.354	0.5081	0.4441	0.3534	0.4838	0.4254	0.5034
Upper Lim.	0.7328	1.443	0.7317	1.266	1.201	0.8536	1.066	1.14	1.372
Lower Lim.	0.363	0.9998	0.3704	0.5777	0.7474	0.4929	0.6233	0.7054	0.8581

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016	0.573	1.53			0.314 (U)				
6/9/2016			0.704	2.13					
8/15/2016					1.2				
8/18/2016	0.44 (U)	2.47	1.88	2.67					
10/10/2016	0.933 (U)	2.11	1.48	3.46	1.03 (U)				
12/7/2016			2.61	1.65					
12/8/2016	1.02 (U)	2.64			1.47 (U)				
1/23/2017						2.17			
2/7/2017						3			
2/17/2017	0.193 (U)	1.34							
2/20/2017			0.884 (U)	2.68	0.547 (U)				
4/17/2017						2.73			
4/19/2017	0.488 (U)		0.948 (U)	3.81					
4/20/2017		2.35			0.0595 (U)				
5/22/2017						3.15			
6/1/2017	0.837 (U)				0.67 (U)				
6/5/2017		1.6	1.33	2.86			0.86 (U)		
7/11/2017							1.87		
7/17/2017			1.04	2.87	1.25 (U)				
7/18/2017	0.498 (U)								
7/19/2017		1.76							
8/23/2017						3.39			
3/26/2018						1.61			
3/28/2018	0.864 (U)				0.507 (U)				
3/29/2018		2.43	1.65	2.79					
6/13/2018			0.983 (U)	2.19					
6/14/2018	0.583 (U)	2.14			0.721 (U)				
6/15/2018						0.815 (U)			
10/18/2018							0.96		
10/19/2018	0.982 (U)								2.28
10/22/2018		1.43	1.21	2.18	0.741 (U)	1.02 (U)		1.22 (U)	
3/1/2019		3.32	2.24	3.37	0.634 (U)	2.47			
4/2/2019						2.29			
4/3/2019	0.532 (U)	2.48	2.86	3.6					
4/4/2019					0.346 (U)		1.49		1.89
4/5/2019								2.2	
9/24/2019							1.68		3.98
9/26/2019								2.36	
9/27/2019		2.83	2.28			1.23 (U)			
9/30/2019	1.16 (U)			2.73	0.953 (U)				
2/25/2020		1.7	2.49						
2/26/2020	1.08 (U)			2.4	1.16	1.09 (U)	1.31		
2/27/2020								1.44	1.31
3/20/2020	1.08 (U)	3.6							
3/23/2020			1.68			1.42	2.39		
3/24/2020					0.899 (U)			1.25 (U)	2.56
3/25/2020				4.72					
9/24/2020	0.157 (U)	4.18	0.56 (U)						
9/25/2020				1.49		0.783 (U)		2.62	
9/28/2020					0.744 (U)		1.48		2.12
2/19/2021	1 (U)	2.63	1.17 (U)	1.07 (U)					2.23
2/22/2021							1.07 (U)		

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
2/23/2021					0.456 (U)			1.55	
3/8/2021						0.429 (U)			
3/25/2021						1.48			
3/26/2021			1.04 (U)	2.91	0.134 (U)				
3/29/2021	0.471 (U)	4.1					1.63		
3/30/2021								2.04	1.35 (U)
8/19/2021					0.908 (U)	1.63			
8/20/2021	0.277 (U)						1.82		
8/23/2021		3.25	1.2 (U)	1.77 (U)					
8/24/2021									2.39
8/25/2021								0.784 (U)	
2/14/2022			0.563 (U)			0.744 (U)			
2/15/2022		1.94		14.2 (U)					
2/16/2022	0.49 (U)				0.189 (U)		1.02	1.16 (U)	2.24
7/27/2022					1.09 (U)				
7/28/2022	0.424 (U)						0.684 (U)		2.74
7/29/2022								1.82	
8/1/2022			2.28			1.01 (U)			
8/2/2022		2.32		0.84 (U)					
1/27/2023	0.28 (U)				0.768 (U)		1.46		
1/30/2023									2.58
1/31/2023								1.49	
2/1/2023				1.3		0.936			
2/2/2023			0.783 (U)						
2/7/2023		1.45							
8/17/2023					0.909 (U)				
8/18/2023							1.82	1.24 (U)	2.36
8/21/2023						0.986 (U)			
8/22/2023		2.43							
8/23/2023	0.704 (U)		0.799 (U)						
8/25/2023				1.63 (U)					
Mean	0.655	2.418	1.444	2.972	0.7375	1.614	1.447	1.629	2.31
Std. Dev.	0.3102	0.8077	0.6928	2.565	0.3715	0.8621	0.4492	0.5405	0.6623
Upper Lim.	0.8173	2.83	1.798	3.292	0.9271	2.065	1.781	2.031	2.803
Lower Lim.	0.4928	2.006	1.091	1.863	0.5479	1.163	1.113	1.227	1.817

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D
10/17/2018		1.24							
10/22/2018	1.54								
4/2/2019		2.81							
4/4/2019	2.37								
9/26/2019	3.09								
9/27/2019		1.66							
2/25/2020	4.16		2.87						
2/26/2020		1.76							
2/27/2020				5.89	1.03 (U)				
2/28/2020						0.649 (U)			
3/23/2020		2.75							
3/24/2020			2.8	5.9	1.35				
3/25/2020	2.81					0.848 (U)			
9/2/2020				5.91			1.31 (U)		
9/3/2020								1.05 (U)	1.9
9/25/2020	2.15		3.29						
9/28/2020		1.59							
9/29/2020					1.71	0.441 (U)			
2/22/2021	2.03		1.73		1.65	1.31 (U)	1.91	0.578 (U)	
3/8/2021		2.09							1.34
3/9/2021				3.34					
3/25/2021		2.43							
3/26/2021	2.4		3.15						
3/29/2021				3.54					1.62 (U)
3/30/2021						0.826 (U)			
3/31/2021					0.251 (U)		1		
4/1/2021								0.461 (U)	
8/19/2021				4.63					
8/20/2021	2.53		3.01					1.38	
8/23/2021		0.857 (U)							1.93
8/24/2021					0.432 (U)	0.21 (U)	0.918 (U)		
2/14/2022		1.43		4.6					
2/15/2022							0.765 (U)		0.96 (U)
2/16/2022					0.799	0.473 (U)			
2/17/2022	1.88		2.41					0.51 (U)	
7/28/2022	2.71		2.92			0.656 (U)		0.503 (U)	
7/29/2022		1.47 (U)					1.6		
8/1/2022									1.38
8/2/2022				3.64	0.93 (U)				
1/30/2023	2.3		2.14					0.71 (U)	
1/31/2023						0.498 (U)			
2/1/2023		1.17					1.59		
2/2/2023					0.942 (U)				
2/7/2023				2.93					1.53
8/18/2023						1.14 (U)			
8/21/2023		1.19 (U)		3.26					
8/23/2023					1.46 (U)		2.06		1.79
8/24/2023	3.09		3.06					1.37	
Mean	2.543	1.727	2.738	4.364	1.055	0.7051	1.394	0.8203	1.556
Std. Dev.	0.6636	0.6203	0.493	1.189	0.4903	0.3345	0.4744	0.3901	0.3275
Upper Lim.	3.037	2.188	3.178	5.425	1.493	1.004	1.897	1.212	1.903
Lower Lim.	2.05	1.265	2.298	3.303	0.618	0.4066	0.8913	0.4597	1.209

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016								0.488
6/7/2016							0.0507 (U)	
6/8/2016						0.854		
8/10/2016							0.862 (U)	
8/11/2016						1.24		0.639 (U)
10/4/2016							0.48 (U)	
10/5/2016								0.945 (U)
10/6/2016						2.43		
12/2/2016							0.219 (U)	
12/5/2016								2.2
12/6/2016						0.958 (U)		
2/14/2017							0.636 (U)	
2/15/2017						1.18		0.74 (U)
4/14/2017							0.13 (U)	
4/17/2017								0.764 (U)
4/18/2017						1.26		
5/26/2017							0.349 (U)	0.245 (U)
6/2/2017						1.24 (U)		
7/10/2017							0.565 (U)	
7/11/2017								0.502 (U)
7/14/2017						1.55		
3/26/2018							0.303 (U)	
3/27/2018						2.15		0.745 (U)
6/12/2018							0.494 (U)	0.319 (U)
6/13/2018						1.95		
10/16/2018							0.633 (U)	
10/17/2018								0.319 (U)
10/18/2018						1.1		
2/25/2019							1.03 (U)	
2/28/2019						1.38		
4/1/2019							0.474 (U)	0.225 (U)
4/2/2019						1.57		
9/24/2019						1.85	1.69	1.65
2/19/2020							1.02 (U)	
2/20/2020								0.921 (U)
2/21/2020						2.02		
3/18/2020							0.987 (U)	
3/19/2020						1.18 (U)		1.94
9/3/2020	0.982 (U)							
9/23/2020							0.25 (U)	
9/24/2020								0.9 (U)
9/25/2020						1.64		
1/28/2021				0.444 (U)	1.59			
2/16/2021							0.709 (U)	
2/17/2021								0.692 (U)
2/18/2021	1.34					1.09		
2/23/2021				0.589 (U)	0.567 (U)			
3/24/2021							0.808 (U)	0.554 (U)
3/30/2021				0.852 (U)	1.66 (U)	1.41 (U)		
3/31/2021	0.517 (U)							
4/19/2021		2.45	1.01 (U)					
8/18/2021	0.886 (U)		0.99 (U)				0.192 (U)	0.458 (U)

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
8/19/2021						0.952 (U)		
8/23/2021				0.558 (U)	0.785 (U)			
8/24/2021		3.66						
2/9/2022	1.52		1.4					
2/10/2022							0.813	0.86
2/11/2022						1.26		
2/14/2022				0.487 (U)	0.224 (U)			
2/17/2022		2.41						
7/26/2022	0.818 (U)		1 (U)				0.523 (U)	0.866 (U)
7/28/2022					1.02 (U)	1.22 (U)		
8/1/2022		2.36		0.642 (U)				
1/25/2023	0.617 (U)		0.588 (U)					
1/26/2023						1.73	0.629 (U)	0.248 (U)
1/31/2023				0.707 (U)	0.58 (U)			
2/1/2023		1.57						
8/15/2023	0.783 (U)		1.47					
8/16/2023							0.791 (U)	
8/17/2023						1.45		0.711 (U)
8/21/2023				0.283 (U)				
8/22/2023		2.97			0.886 (U)			
Mean	0.9329	2.57	1.076	0.5703	0.914	1.444	0.6099	0.7796
Std. Dev.	0.343	0.6975	0.3212	0.1728	0.5	0.4057	0.3649	0.5156
Upper Lim.	1.296	3.528	1.518	0.7534	1.444	1.651	0.7961	0.9667
Lower Lim.	0.5693	1.612	0.6351	0.3871	0.384	1.237	0.4237	0.4948

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
6/6/2016	<0.1								
6/7/2016		0.09 (J)	<0.1		<0.1	0.15 (J)			
6/8/2016							0.1 (J)	<0.1	0.09 (J)
8/10/2016	0.04 (J)								
8/11/2016					0.12 (J)	0.3 (J)			
8/12/2016			0.08 (J)				0.39	0.2 (J)	0.04 (J)
8/16/2016		0.09 (J)							
10/4/2016	0.06 (J)								
10/6/2016			0.06 (J)						
10/7/2016		0.17 (J)			0.08 (J)	0.14 (J)	0.16 (J)	0.07 (J)	
10/10/2016									0.06 (J)
12/1/2016	0.09 (J)								
12/5/2016			0.12 (J)						
12/6/2016		0.16 (J)			0.24 (J)	0.19 (J)	0.32		
12/7/2016								0.09 (J)	0.07 (J)
2/14/2017	<0.1								
2/15/2017			0.33						
2/16/2017		0.38			0.31	0.51	0.38	0.6	
2/17/2017									0.06 (J)
4/13/2017	0.04 (J)								
4/18/2017		0.12 (J)	0.006 (J)		0.02 (J)				
4/19/2017						0.18 (J)	0.08 (J)	0.09 (J)	0.005 (J)
5/25/2017	0.02 (J)								
5/30/2017					0.51	0.15 (J)			
6/1/2017							0.09 (J)	0.05 (J)	0.65
6/2/2017		0.03 (J)	0.04 (J)						
7/7/2017	0.12 (J)								
7/12/2017		0.15 (J)							
7/13/2017			0.17 (J)						
7/14/2017					0.14 (J)	0.16 (J)	0.06 (J)	0.08 (J)	
7/18/2017									0.36
10/9/2017	<0.1								
10/10/2017			0.08 (J)						
10/11/2017		0.07 (J)			0.29 (J)	0.64	0.14 (J)	0.11 (J)	<0.1
3/27/2018		<0.1			<0.1	0.33	<0.1	<0.1	
3/28/2018			<0.1						<0.1
6/12/2018					0.061 (J)				
6/13/2018									0.038 (J)
6/14/2018		0.046 (J)	<0.1			0.11 (J)	0.095 (J)		
6/15/2018								0.07 (J)	
10/16/2018	<0.1								
10/17/2018			<0.1			<0.3			
10/18/2018		<0.1			<0.1		0.054 (J)		
10/19/2018								0.17 (J)	
10/22/2018									<0.1
2/25/2019					0.13 (J)				
2/27/2019						0.26 (J)	<0.1		0.13 (J)
2/28/2019		0.14 (J)	0.18 (J)						
3/1/2019								0.14 (J)	
4/1/2019			0.065 (J)						
4/2/2019	<0.1	0.044 (J)			0.23 (J)	0.14 (J)	0.044 (J)		
4/3/2019								0.051 (J)	0.072 (J)

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
9/23/2019	<0.1								
9/25/2019		0.075 (J)	0.13 (J)						
9/26/2019					<0.1	0.071 (J)	0.052 (J)	<0.1	<0.1
2/18/2020	<0.1								
2/20/2020		<0.1			<0.1				
2/24/2020			0.051 (J)			0.11 (J)	<0.1	0.05 (J)	<0.1
3/19/2020	<0.1		<0.1		0.052 (J)	0.12 (J)			
3/20/2020							<0.1	<0.1	
3/23/2020		<0.1							<0.1
5/22/2020				0.065 (J)					
6/23/2020				<0.1					
7/28/2020				<0.1					
9/2/2020				0.061 (J)					
9/23/2020	<0.1								
9/24/2020		<0.1			0.059 (J)	0.12	0.058 (J)		
9/25/2020			<0.1						
9/28/2020								<0.1	<0.1
10/1/2020				<0.1					
11/10/2020				<0.1					
12/15/2020				0.052					
1/20/2021				<0.1					
2/18/2021	<0.1	<0.1		0.055 (J)	0.064 (J)	0.1	<0.1	<0.1	<0.1
2/19/2021			<0.1						
3/24/2021			<0.1	<0.1	0.053 (J)	0.11	<0.1		
3/26/2021								0.053 (J)	
3/29/2021									<0.1
3/30/2021		<0.1							
3/31/2021	<0.1								
8/16/2021	<0.1								
8/18/2021		<0.1	<0.1	<0.1	<0.1				
8/19/2021						0.097 (J)	<0.1		
8/20/2021								<0.1	<0.1
2/9/2022	<0.1			<0.1					
2/11/2022		<0.1	<0.1		0.056 (J)	0.1			
2/16/2022							<0.1	<0.1	<0.1
7/26/2022	0.052 (J)			0.082 (J)					
7/27/2022			0.081 (J)		0.091 (J)	0.13	0.081 (J)	0.071 (J)	0.062 (J)
7/28/2022		0.064 (J)							
1/25/2023	0.066 (J)								
1/26/2023			0.083 (J)	0.084 (J)	0.091 (J)	0.13	0.056 (J)		
1/27/2023		0.058 (J)						0.077 (J)	
1/30/2023									0.064 (J)
8/15/2023	<0.1								
8/16/2023			0.089 (J)	0.076 (J)					
8/17/2023		0.05 (J)			0.074 (J)	0.12	0.056 (J)		
8/18/2023								0.077 (J)	0.068 (J)
Mean	0.08582	0.1055	0.1026	0.085	0.1308	0.1847	0.1206	0.114	0.1148
Std. Dev.	0.02649	0.06736	0.05936	0.01862	0.1085	0.1341	0.09599	0.1072	0.1276
Upper Lim.	0.1	0.1047	0.12	0.1	0.1415	0.18	0.14	0.11	0.1
Lower Lim.	0.066	0.05525	0.08	0.061	0.06299	0.11	0.06	0.071	0.064

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
6/8/2016	<0.1	0.43			0.14 (J)				
6/9/2016			0.12 (J)	<0.1					
8/15/2016					0.08 (J)				
8/18/2016	0.09 (J)	0.3 (J)	0.08 (J)	0.24 (J)					
10/10/2016	0.04 (J)	0.32	0.09 (J)	0.3	0.1 (J)				
12/7/2016			0.08 (J)	0.05 (J)					
12/8/2016	0.08 (J)	0.26 (J)			0.06 (J)				
1/23/2017						0.06 (J)			
2/7/2017						0.09 (J)			
2/17/2017	0.08 (J)	0.39							
2/20/2017			0.09 (J)	0.65	0.16 (J)				
3/27/2017						0.09 (J)			
4/17/2017						0.36			
4/19/2017	0.04 (J)		0.03 (J)	0.21 (J)					
4/20/2017		0.34			0.02 (J)				
5/22/2017						0.05 (J)			
6/1/2017	0.03 (J)				0.04 (J)				
6/5/2017		0.29 (J)	<0.1	0.05 (J)		0.32			
7/11/2017						0.13 (J)			
7/17/2017			0.09 (J)	2.5	0.07 (J)				
7/18/2017	0.08 (J)								
7/19/2017		0.33							
8/23/2017						0.17 (J)			
10/10/2017						0.35			
10/11/2017			0.09 (J)	1.8	0.11 (J)				
10/12/2017	0.12 (J)	0.31							
3/26/2018						0.75			
3/28/2018	<0.1				<0.1				
3/29/2018		0.58	<0.1	2					
6/13/2018			0.71	3.1					
6/14/2018	<0.1	0.15 (J)			<0.1				
6/15/2018						0.51			
10/19/2018	<0.1							<0.1	
10/22/2018		0.78	0.81	3.1	<0.1	0.44	0.65		0.91
3/1/2019		0.34	0.38	1	0.12 (J)	0.24 (J)			
4/2/2019						0.68			
4/3/2019	0.032 (J)	0.23 (J)	0.1 (J)	3					
4/4/2019					<0.1			0.035 (J)	0.26 (J)
4/5/2019							0.66		
5/2/2019		1.4							
5/3/2019							1.3		
9/24/2019								<0.1	
9/26/2019							0.15 (J)		0.11 (J)
9/27/2019		1	0.54			0.13 (J)			
9/30/2019	0.066 (J)			1.2	0.065 (J)				
11/15/2019							0.51		
2/25/2020		0.24 (J)	0.066 (J)						0.14 (J)
2/26/2020	<0.1			0.064 (J)	<0.1	0.057 (J)			
2/27/2020							0.13 (J)	<0.1	
3/20/2020	<0.1	0.23 (J)							
3/23/2020			0.056 (J)			0.054 (J)			
3/24/2020					<0.1		0.13 (J)	<0.1	

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
3/25/2020				0.056 (J)					0.17 (J)
9/24/2020	<0.1	0.24	0.062 (J)						
9/25/2020				0.054 (J)		<0.1	0.097 (J)		0.17
9/28/2020					<0.1			<0.1	
2/19/2021	<0.1	0.2	<0.1	0.14				<0.1	
2/22/2021									0.21
2/23/2021					<0.1		0.13		
3/8/2021						<0.1			
3/25/2021						<0.1			
3/26/2021			0.054 (J)	0.095 (J)	<0.1				0.13
3/29/2021	<0.1	0.22							
3/30/2021							0.14	<0.1	
7/19/2021		0.24	0.065 (J)	0.13					
7/20/2021						<0.1			
8/19/2021					<0.1	<0.1			
8/20/2021	<0.1								0.22
8/23/2021		0.23	<0.1	0.12					
8/24/2021								<0.1	
8/25/2021							0.15		
11/1/2021		0.25	0.068 (J)	0.15		0.055 (J)			
2/14/2022			<0.1			0.075 (J)			
2/15/2022		0.24		<0.1					
2/16/2022	<0.1				<0.1		0.13	<0.1	
2/17/2022									0.21
7/27/2022					0.051 (J)				
7/28/2022	<0.1							0.053 (J)	0.23
7/29/2022							0.16		
8/1/2022			0.07 (J)			0.09 (J)			
8/2/2022		0.19		0.097 (J)					
10/21/2022				0.14 (R)					
1/27/2023	<0.1				0.053 (J)				
1/30/2023								0.06 (J)	0.17
1/31/2023							0.13		
2/1/2023				0.18		0.092 (J)			
2/2/2023			0.074 (J)						
2/7/2023		0.26							
8/17/2023					<0.1				
8/18/2023							0.14	0.052 (J)	
8/21/2023						0.065 (J)			
8/22/2023		0.23							
8/23/2023	<0.1		<0.1						
8/24/2023									0.1
8/25/2023				0.15					
Mean	0.08575	0.365	0.1602	0.7384	0.09076	0.1984	0.3071	0.08462	0.2331
Std. Dev.	0.02529	0.2729	0.2026	1.049	0.03048	0.1959	0.3377	0.0246	0.209
Upper Lim.	0.1	0.34	0.1	1	0.08852	0.32	0.65	0.1	0.26
Lower Lim.	0.08	0.23	0.068	0.095	0.0545	0.075	0.13	0.052	0.11

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D
10/17/2018	<0.3								
4/2/2019	0.44								
9/27/2019	0.26 (J)								
12/13/2019				0.16 (J)					
12/16/2019					0.13 (J)				
2/25/2020		0.57							
2/26/2020	0.13 (J)								
2/27/2020			0.55	0.071 (J)					
2/28/2020					0.062 (J)				
3/23/2020	0.13 (J)								
3/24/2020		0.43	0.61	0.06 (J)					
3/25/2020					<0.1				
5/4/2020						<0.1		0.93	<0.1
5/11/2020							0.34		
5/20/2020							0.4	0.78	
9/2/2020			0.47			0.088 (J)			
9/3/2020							0.5	0.87	<0.1
9/25/2020		0.34							
9/28/2020	0.1								
9/29/2020				<0.1	<0.1				
2/18/2021									0.16
2/22/2021		0.3		0.095 (J)	<0.1	0.099 (J)	0.69		
3/8/2021	0.14							0.9	
3/9/2021			0.67						
3/25/2021	0.12								
3/26/2021		0.27							
3/29/2021			0.73					1	
3/30/2021					0.06 (J)				
3/31/2021				0.08 (J)		0.077 (J)			0.088 (J)
4/1/2021							0.72		
7/20/2021								1.2	
8/18/2021									<0.1
8/19/2021			0.4						
8/20/2021		0.18					0.56		
8/23/2021	0.11							1.2	
8/24/2021				0.18	0.076 (J)	0.11			
11/1/2021			0.32						
2/9/2022									0.11
2/14/2022	0.12		0.34						
2/15/2022						0.07 (J)		0.89	
2/16/2022				0.11	0.068 (J)				
2/17/2022		0.16					0.61		
7/26/2022									<0.1
7/28/2022		0.19			0.092 (J)		0.55		
7/29/2022	0.14					0.1			
8/1/2022								0.86	
8/2/2022			0.46	0.12					
1/25/2023									0.28
1/30/2023		0.16					0.64		
1/31/2023					0.084 (J)				
2/1/2023	0.13					0.084 (J)			
2/2/2023				0.098 (J)					

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D
2/7/2023			0.11					0.97	
8/15/2023									0.16
8/18/2023					0.089 (J)				
8/21/2023	0.11		0.12						
8/23/2023				0.11		<0.1		1.1	
8/24/2023		0.14					0.52		
Mean	0.16	0.274	0.4345	0.1031	0.08736	0.092	0.553	0.9727	0.1331
Std. Dev.	0.09301	0.1402	0.204	0.03983	0.02056	0.01301	0.1203	0.1395	0.06121
Upper Lim.	0.26	0.3991	0.6046	0.1363	0.09687	0.1012	0.6603	1.089	0.28
Lower Lim.	0.11	0.1489	0.2645	0.0699	0.06469	0.07673	0.4457	0.8565	0.088

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016							0.12 (J)
6/7/2016						<0.1	
6/8/2016					0.19 (J)		
8/10/2016						0.07 (J)	
8/11/2016					0.15 (J)		0.27 (J)
10/4/2016						0.07 (J)	
10/5/2016							0.12 (J)
10/6/2016					0.17 (J)		
12/2/2016						0.09 (J)	
12/5/2016							0.26 (J)
12/6/2016					0.22 (J)		
2/14/2017						0.02 (J)	
2/15/2017					0.18 (J)		0.46
4/14/2017						0.02 (J)	
4/17/2017							0.14 (J)
4/18/2017					0.11 (J)		
5/26/2017						0.02 (J)	0.13 (J)
6/2/2017					0.07 (J)		
7/10/2017						0.03 (J)	
7/11/2017							0.2 (J)
7/14/2017					0.23 (J)		
10/10/2017						<0.1	0.61
10/11/2017					0.1 (J)		
3/26/2018						<0.1	
3/27/2018					<0.3		0.36
6/12/2018						0.061 (J)	0.13 (J)
6/13/2018					0.25 (J)		
10/16/2018						<0.1	
10/17/2018							0.13 (J)
10/18/2018					0.047 (J)		
2/25/2019						<0.1	
2/28/2019					0.23 (J)		
4/1/2019						<0.1	0.33
4/2/2019					0.22 (J)		
9/24/2019					0.12 (J)	<0.1	0.096 (J)
2/19/2020						<0.1	
2/20/2020							0.063 (J)
2/21/2020					0.12 (J)		
3/18/2020						<0.1	
3/19/2020					0.12 (J)		0.074 (J)
9/23/2020						<0.1	
9/24/2020							0.091 (J)
9/25/2020					0.11		
1/28/2021			0.17	0.1			
2/16/2021						<0.1	
2/17/2021							0.086 (J)
2/18/2021					0.13		
2/23/2021			0.087 (J)	0.073 (J)			
3/24/2021						<0.1	0.075 (J)
3/30/2021			0.11	0.12	0.18		
4/19/2021	0.055 (J)	0.078 (J)					
8/18/2021		<0.1				<0.1	0.073 (J)

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
8/19/2021					0.12		
8/23/2021			0.084 (J)	0.093 (J)			
8/24/2021	<0.1						
2/9/2022		0.08 (J)					
2/10/2022						<0.1	0.071 (J)
2/11/2022					0.12		
2/14/2022			0.13	0.1			
2/17/2022	<0.1						
7/26/2022		0.12				0.067 (J)	0.11
7/28/2022				0.14	0.16		
8/1/2022	0.087 (J)		0.16				
1/25/2023		0.16					
1/26/2023					0.15	0.063 (J)	0.09 (J)
1/31/2023			0.15	0.14			
2/1/2023	0.085 (J)						
8/15/2023		0.14					
8/16/2023						0.064 (J)	
8/17/2023					0.14		0.091 (J)
8/21/2023			0.14				
8/22/2023	<0.1			0.098 (J)			
Mean	0.08783	0.113	0.1289	0.108	0.1515	0.079	0.1742
Std. Dev.	0.0175	0.03308	0.03241	0.02351	0.0517	0.02905	0.1403
Upper Lim.	0.09121	0.1543	0.1632	0.1329	0.1772	0.1	0.1926
Lower Lim.	0.05607	0.06469	0.09452	0.08308	0.1257	0.064	0.09982

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
6/6/2016	<0.001								
6/7/2016		<0.001	<0.001		<0.001	<0.001			
6/8/2016							<0.001	<0.001	<0.001
8/10/2016	<0.001								
8/11/2016					<0.001	<0.001			
8/12/2016			0.0001 (J)				0.0001 (J)	<0.001	<0.001
8/16/2016		<0.001							
10/4/2016	<0.001								
10/6/2016			0.0002 (J)						
10/7/2016		<0.001			<0.001	<0.001	<0.001	<0.001	
10/10/2016									<0.001
12/1/2016	<0.001								
12/5/2016			0.0003 (J)						
12/6/2016		<0.001			<0.001	<0.001	0.0001 (J)		
12/7/2016								<0.001	<0.001
2/14/2017	<0.001								
2/15/2017			<0.001						
2/16/2017		<0.001			<0.001	<0.001	0.0002 (J)	<0.001	
2/17/2017									<0.001
4/13/2017	<0.001								
4/18/2017		<0.001	<0.001		<0.001				
4/19/2017						<0.001	0.0001 (J)	0.0006 (J)	<0.001
5/25/2017	<0.001								
5/30/2017					0.0001 (J)	<0.001			
6/1/2017							9E-05 (J)	<0.001	0.0001 (J)
6/2/2017		<0.001	0.0001 (J)						
7/7/2017	<0.001								
7/12/2017		<0.001							
7/13/2017			0.0001 (J)						
7/14/2017					0.0002 (J)	<0.001	0.0001 (J)	<0.001	
7/18/2017									<0.001
3/27/2018		<0.001			<0.001	<0.001	<0.001	<0.001	
3/28/2018			<0.001						<0.001
2/25/2019					<0.001				
2/27/2019						<0.001	<0.001		<0.001
2/28/2019		<0.001	<0.001						
3/1/2019								<0.001	
4/1/2019			<0.001						
4/2/2019	7E-05 (J)	<0.001			<0.001	<0.001	8.1E-05 (J)		
4/3/2019								<0.001	<0.001
9/23/2019	<0.001								
9/25/2019		0.00019 (J)	0.00063 (J)						
9/26/2019					0.00034 (J)	<0.001	<0.001	<0.001	<0.001
2/18/2020	<0.001								
2/20/2020		0.00014 (J)			0.00014 (J)				
2/24/2020			<0.001			7.9E-05 (J)	<0.001	<0.001	<0.001
3/19/2020	<0.001		<0.001		0.00013 (J)	<0.001			
3/20/2020							<0.001	<0.001	
3/23/2020		<0.001							<0.001
5/22/2020				7.3E-05 (J)					
6/23/2020				<0.001					
7/28/2020				<0.001					

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
9/2/2020				<0.001					
9/23/2020	6.4E-05 (J)								
9/24/2020		<0.001			0.00021 (J)	<0.001	<0.001		
9/25/2020			<0.001						
9/28/2020								3.8E-05 (J)	8.3E-05 (J)
10/1/2020				6.2E-05 (J)					
11/10/2020				0.00011 (J)					
12/15/2020				5.6E-05 (J)					
1/20/2021				<0.001					
2/18/2021	5.7E-05 (J)	<0.001		<0.001	0.00013 (J)	<0.001	<0.001	<0.001	<0.001
2/19/2021			8.7E-05 (J)						
3/24/2021			0.00013 (J)	<0.001	8E-05 (J)	<0.001	<0.001		
3/26/2021								<0.001	
3/29/2021									<0.001
3/30/2021		<0.001							
3/31/2021	0.00016 (J)								
8/16/2021	<0.001								
8/18/2021		<0.001	<0.001	<0.001	<0.001				
8/19/2021						<0.001	<0.001		
8/20/2021								<0.001	<0.001
2/9/2022	<0.001			<0.001					
2/11/2022		<0.001	<0.001		<0.001	<0.001			
2/16/2022							<0.001	<0.001	<0.001
7/26/2022	<0.001			<0.001					
7/27/2022			<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
7/28/2022		<0.001							
1/25/2023	<0.001								
1/26/2023			<0.001	<0.001	<0.001	<0.001	<0.001		
1/27/2023		<0.001						<0.001	
1/30/2023									<0.001
8/15/2023	<0.001								
8/16/2023			<0.001	<0.001					
8/17/2023		<0.001			0.00041 (J)	<0.001	<0.001		
8/18/2023								<0.001	<0.001
Mean	0.0008176	0.0009241	0.0007112	0.0007534	0.00067	0.0009581	0.0007169	0.0009381	0.0009174
Std. Dev.	0.0003749	0.0002458	0.0004055	0.0004234	0.0004118	0.0001964	0.0004248	0.0002183	0.0002673
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00016	0.00019	0.0002	7.3E-05	0.0002	7.9E-05	0.0001	0.0006	0.0001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016	<0.001	<0.001			<0.001				
6/9/2016			<0.001	0.00059 (J)					
8/15/2016					0.0005 (J)				
8/18/2016	<0.001	<0.001	<0.001	<0.001					
10/10/2016	<0.001	<0.001	<0.001	<0.001	<0.001				
12/7/2016			<0.001	<0.001					
12/8/2016	<0.001	<0.001			0.0006 (J)				
1/23/2017						0.0003 (J)			
2/7/2017						0.0002 (J)			
2/17/2017	<0.001	<0.001							
2/20/2017			<0.001	<0.001	0.0004 (J)				
3/27/2017						8E-05 (J)			
4/17/2017						<0.001			
4/19/2017	<0.001		<0.001	<0.001					
4/20/2017		<0.001			0.0002 (J)				
5/22/2017						<0.001			
6/1/2017	<0.001				7E-05 (J)				
6/5/2017		<0.001	<0.001	7E-05 (J)		<0.001			
7/11/2017						8E-05 (J)			
7/17/2017			<0.001	<0.001	<0.001				
7/18/2017	<0.001								
7/19/2017		<0.001							
8/23/2017						<0.001			
3/26/2018						<0.001			
3/28/2018	<0.001				<0.001				
3/29/2018		<0.001	<0.001	<0.001					
3/1/2019		0.00033 (J)	<0.001	<0.001	<0.001	<0.001			
4/2/2019						<0.001			
4/3/2019	6.8E-05 (J)	<0.001	<0.001	<0.001					
4/4/2019					<0.001		0.00065 (J)		5.4E-05 (J)
4/5/2019								<0.001	
9/24/2019							0.0004 (J)		<0.001
9/26/2019								<0.001	
9/27/2019		5.4E-05 (J)	<0.001			0.00018 (J)			
9/30/2019	7.3E-05 (J)			<0.001	<0.001				
2/25/2020		<0.001	<0.001						
2/26/2020	5.3E-05 (J)			<0.001	<0.001	0.00035 (J)	7.6E-05 (J)		
2/27/2020								<0.001	<0.001
3/20/2020	6E-05 (J)	<0.001							
3/23/2020			<0.001			0.00011 (J)	0.00028 (J)		
3/24/2020					<0.001			<0.001	<0.001
3/25/2020				5.4E-05 (J)					
9/24/2020	5E-05 (J)	0.00014 (J)	0.00014 (J)						
9/25/2020				0.0001 (J)		0.00016 (J)		0.00011 (J)	
9/28/2020					5.1E-05 (J)		0.0013 (J)		<0.001
2/19/2021	8.7E-05 (J)	0.00011 (J)	<0.001	4.3E-05 (J)					<0.001
2/22/2021							0.00045 (J)		
2/23/2021					7.4E-05 (J)			7.2E-05 (J)	
3/8/2021						0.00018 (J)			
3/25/2021						0.00015 (J)			
3/26/2021			0.00031 (J)	7.1E-05 (J)	0.00013 (J)				
3/29/2021	9.4E-05 (J)	6.1E-05 (J)					0.00061 (J)		

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
3/30/2021								<0.001	<0.001
8/19/2021					<0.001	<0.001			
8/20/2021	<0.001						<0.001		
8/23/2021		<0.001	<0.001	<0.001					
8/24/2021									<0.001
8/25/2021								<0.001	
2/14/2022			<0.001			<0.001			
2/15/2022		<0.001		<0.001					
2/16/2022	<0.001				<0.001		<0.001	<0.001	<0.001
7/27/2022					<0.001				
7/28/2022	<0.001						<0.001		<0.001
7/29/2022								<0.001	
8/1/2022			<0.001			<0.001			
8/2/2022		<0.001		<0.001					
10/21/2022				<0.001 (R)					
1/27/2023	<0.001				<0.001		<0.001		
1/30/2023									<0.001
1/31/2023								<0.001	
2/1/2023				<0.001		<0.001			
2/2/2023			<0.001						
2/7/2023		<0.001							
8/17/2023					<0.001				
8/18/2023							0.00024 (J)	<0.001	<0.001
8/21/2023						0.00017 (J)			
8/22/2023		0.00014 (J)							
8/23/2023	<0.001		<0.001						
8/25/2023				<0.001					
Mean	0.0006898	0.0007652	0.0009295	0.0007795	0.0007284	0.0005891	0.0006672	0.0008485	0.0009212
Std. Dev.	0.0004497	0.0003955	0.0002295	0.000393	0.0003883	0.0004245	0.000387	0.0003539	0.0002731
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.0007069	0.001	0.001
Lower Lim.	7.3E-05	0.00033	0.00031	0.00059	0.0004	0.00017	0.0002185	0.00011	5.4E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D
4/2/2019		0.00067 (J)							
4/4/2019	0.00023 (J)								
9/26/2019	6.9E-05 (J)								
9/27/2019		0.0005 (J)							
2/25/2020	0.00025 (J)		0.00011 (J)						
2/26/2020		0.00033 (J)							
2/27/2020				0.00025 (J)	<0.001				
2/28/2020						0.00014 (J)			
3/23/2020		0.00014 (J)							
3/24/2020			7.3E-05 (J)	0.00016 (J)	0.0001 (J)				
3/25/2020	0.00018 (J)					0.00017 (J)			
9/2/2020				0.00022 (J)			<0.001		
9/3/2020								<0.001	0.00012 (J)
9/25/2020	0.00037 (J)		0.00029 (J)						
9/28/2020		0.00017 (J)							
9/29/2020					<0.001	0.00024 (J)			
2/22/2021	0.00011 (J)		8.2E-05 (J)		<0.001	0.00014 (J)	<0.001	4.1E-05 (J)	
3/8/2021		0.00011 (J)							<0.001
3/9/2021				<0.001					
3/25/2021		<0.001							
3/26/2021	<0.001		<0.001						
3/29/2021				<0.001					<0.001
3/30/2021						0.00018 (J)			
3/31/2021					<0.001		3.6E-05 (J)		
4/1/2021								4.4E-05 (J)	
8/19/2021				<0.001					
8/20/2021	<0.001		<0.001					<0.001	
8/23/2021		<0.001							<0.001
8/24/2021					<0.001	<0.001	<0.001		
2/14/2022		<0.001		<0.001					
2/15/2022							<0.001		<0.001
2/16/2022					<0.001	<0.001			
2/17/2022	<0.001		<0.001					<0.001	
7/28/2022	<0.001		<0.001			<0.001		<0.001	
7/29/2022		<0.001					<0.001		
8/1/2022									<0.001
8/2/2022				<0.001	<0.001				
1/30/2023	<0.001		<0.001					<0.001	
1/31/2023						<0.001			
2/1/2023		<0.001					<0.001		
2/2/2023					<0.001				
2/7/2023				<0.001					<0.001
8/18/2023						<0.001			
8/21/2023		<0.001		0.00014 (J)					
8/23/2023					<0.001		<0.001		<0.001
8/24/2023	<0.001		0.00014 (J)					<0.001	
Mean	0.0006008	0.00066	0.0005695	0.000677	0.00091	0.000587	0.0008795	0.0007606	0.00089
Std. Dev.	0.0004233	0.0003863	0.0004576	0.000418	0.0002846	0.0004362	0.0003408	0.0004432	0.0003111
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00011	0.00014	8.2E-05	0.00016	0.001	0.00014	3.6E-05	4.1E-05	0.00012

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-8	BGWC-9
6/6/2016							<0.001
6/7/2016						<0.001	
8/10/2016						<0.001	
8/11/2016							<0.001
10/4/2016						<0.001	
10/5/2016							0.0005 (J)
12/2/2016						<0.001	
12/5/2016							0.0002 (J)
2/14/2017						<0.001	
2/15/2017							<0.001
4/14/2017						<0.001	
4/17/2017							0.0001 (J)
5/26/2017						0.0003 (J)	0.0001 (J)
7/10/2017						<0.001	
7/11/2017							<0.001
3/26/2018						<0.001	
3/27/2018							<0.001
2/25/2019						<0.001	
4/1/2019						<0.001	9.2E-05 (J)
9/24/2019						<0.001	5.6E-05 (J)
2/19/2020						0.00014 (J)	
2/20/2020							8.2E-05 (J)
3/18/2020						<0.001	
3/19/2020							6.3E-05 (J)
9/3/2020	<0.001						
9/23/2020						<0.001	
9/24/2020							<0.001
1/28/2021				0.00016 (J)	5.4E-05 (J)		
2/16/2021						0.0001 (J)	
2/17/2021							7.5E-05 (J)
2/18/2021	0.00017 (J)						
2/23/2021				0.00015 (J)	0.0001 (J)		
3/24/2021						0.00015 (J)	<0.001
3/30/2021				0.00022 (J)	0.00011 (J)		
3/31/2021	<0.001						
4/19/2021		4.4E-05 (J)	0.00014 (J)				
8/18/2021	<0.001		<0.001			<0.001	<0.001
8/23/2021				<0.001	<0.001		
8/24/2021		<0.001					
2/9/2022	<0.001		<0.001				
2/10/2022						<0.001	<0.001
2/14/2022				<0.001	<0.001		
2/17/2022		<0.001					
7/26/2022	<0.001		<0.001			<0.001	<0.001
7/28/2022					<0.001		
8/1/2022		<0.001		<0.001			
1/25/2023	<0.001		<0.001				
1/26/2023						<0.001	<0.001
1/31/2023				<0.001	<0.001		
2/1/2023		<0.001					
8/15/2023	<0.001		<0.001				
8/16/2023						<0.001	

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-8	BGWC-9
8/17/2023							
8/21/2023				<0.001			<0.001
8/22/2023		<0.001			<0.001		
Mean	0.0008963	0.0008407	0.0008567	0.0006913	0.000658	0.0008495	0.0006318
Std. Dev.	0.0002934	0.0003903	0.0003511	0.0004266	0.0004723	0.0003284	0.0004447
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00017	4.4E-05	0.00014	0.00015	5.4E-05	0.0003	9.2E-05

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-20	BGWC-22	BGWC-23
6/6/2016	<0.03								
6/7/2016		0.0065	<0.03		<0.03	<0.03			
6/8/2016							0.016	0.012	
6/9/2016									0.0074
8/10/2016	<0.03								
8/11/2016					<0.03	<0.03			
8/12/2016			<0.03				0.0202 (J)		
8/16/2016		<0.03							
8/18/2016								0.0118 (J)	0.0078 (J)
10/4/2016	<0.03								
10/6/2016			<0.03						
10/7/2016		<0.03			<0.03	<0.03			
10/10/2016							0.0194 (J)	0.0137 (J)	0.0093 (J)
12/1/2016	<0.03								
12/5/2016			<0.03						
12/6/2016		<0.03			<0.03	<0.03			
12/7/2016							0.0265 (J)		0.0117 (J)
12/8/2016								0.0154 (J)	
2/14/2017	<0.03								
2/15/2017			<0.03						
2/16/2017		<0.03			<0.03	<0.03			
2/17/2017							0.0253 (J)	0.0125 (J)	
2/20/2017									0.011 (J)
4/13/2017	<0.03								
4/18/2017		0.0011 (J)	<0.03		<0.03				
4/19/2017						<0.03	0.0233 (J)		0.0105 (J)
4/20/2017								0.012 (J)	
5/25/2017	<0.03								
5/30/2017					<0.03	<0.03			
6/1/2017							0.023 (J)		
6/2/2017		0.0011 (J)	<0.03						
6/5/2017								0.0114 (J)	0.0108 (J)
7/7/2017	<0.03								
7/12/2017		<0.03							
7/13/2017			<0.03						
7/14/2017					<0.03	<0.03			
7/17/2017									0.0095 (J)
7/18/2017							0.0207 (J)		
7/19/2017								0.0126 (J)	
3/27/2018		0.0025 (J)			<0.03	<0.03			
3/28/2018			<0.03				0.013 (J)		
3/29/2018								0.021 (J)	0.014 (J)
6/12/2018					<0.03				
6/13/2018							0.02 (J)		0.014 (J)
6/14/2018		0.0011 (J)	<0.03			<0.03		0.024 (J)	
10/16/2018	<0.03								
10/17/2018			<0.03			<0.03			
10/18/2018		0.0016 (J)			<0.03				
10/22/2018							0.016 (J)	0.034 (J)	0.016 (J)
2/25/2019					<0.03				
2/27/2019						<0.03	0.015 (J)		
2/28/2019		0.0017 (J)	0.0011 (J)						

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-20	BGWC-22	BGWC-23
3/1/2019								0.022 (J)	0.017 (J)
4/1/2019			0.00078 (J)						
4/2/2019	<0.03	0.0012 (J)			0.00049 (J)	0.00069 (J)			
4/3/2019							0.012 (J)	0.024 (J)	0.013 (J)
9/23/2019	<0.03								
9/25/2019		<0.03	0.001 (J)						
9/26/2019					<0.03	<0.03	0.018 (J)		
9/27/2019								0.039	0.024 (J)
2/18/2020	<0.03								
2/20/2020		0.00093 (J)			<0.03				
2/24/2020			0.00091 (J)			<0.03	0.021 (J)		
2/25/2020								0.026 (J)	0.033
3/19/2020	<0.03		0.00097 (J)		<0.03	<0.03			
3/20/2020								0.029 (J)	
3/23/2020		0.00084 (J)					0.02 (J)		0.032
5/22/2020				<0.03					
6/23/2020				<0.03					
7/28/2020				<0.03					
9/2/2020				0.00095 (J)					
9/23/2020	<0.03								
9/24/2020		0.0013 (J)			<0.03	<0.03		0.043	0.031
9/25/2020			0.001 (J)						
9/28/2020							0.027 (J)		
10/1/2020				0.00095 (J)					
11/10/2020				<0.03					
12/15/2020				0.00091					
1/20/2021				0.00082 (J)					
2/18/2021	<0.03	0.0011 (J)		<0.03	<0.03	<0.03	0.041		
2/19/2021			0.0011 (J)					0.035	0.04
3/24/2021			0.0012 (J)	<0.03	<0.03	<0.03			
3/26/2021									0.039 (J)
3/29/2021							0.036	0.033	
3/30/2021		0.00092 (J)							
3/31/2021	0.00082 (J)								
8/16/2021	<0.03								
8/18/2021		<0.03	0.0013 (J)	0.00087 (J)	<0.03				
8/19/2021						<0.03			
8/20/2021							0.025 (J)		
8/23/2021								0.028 (J)	0.029 (J)
2/9/2022	<0.03			<0.03					
2/11/2022		0.00079 (J)	0.0011 (J)		<0.03	<0.03			
2/14/2022									0.033
2/15/2022								0.032 (J)	
2/16/2022							0.031		
7/26/2022	<0.03			0.0011 (J)					
7/27/2022			0.0014 (J)		<0.03	<0.03	0.037		
7/28/2022		0.00076 (J)							
8/1/2022									0.029 (J)
8/2/2022								0.03 (J)	
1/25/2023	<0.03								
1/26/2023			0.0013 (J)	0.00077 (J)	<0.03	<0.03			
1/27/2023		0.00082 (J)							

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-20	BGWC-22	BGWC-23
1/30/2023							0.059		
2/2/2023									0.025 (J)
2/7/2023								0.018 (J)	
8/15/2023	<0.03								
8/16/2023			0.0016 (J)	0.0016 (J)					
8/17/2023		<0.03			<0.03	<0.03			
8/18/2023							0.078		
8/22/2023								0.021 (J)	
8/23/2023									0.016 (J)
Mean	0.02861	0.01101	0.01436	0.01453	0.02877	0.02878	0.02681	0.02335	0.02013
Std. Dev.	0.006368	0.01376	0.01469	0.01498	0.006024	0.005983	0.01506	0.009598	0.0106
Upper Lim.	0.03	0.03	0.03	0.03	0.03	0.03	0.03145	0.02825	0.02554
Lower Lim.	0.00082	0.00093	0.0011	0.00087	0.00049	0.00069	0.01925	0.01845	0.01471

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-24	BGWC-30	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
6/9/2016	0.0057								
8/18/2016	0.0061 (J)								
10/10/2016	0.006 (J)								
12/7/2016	0.0066 (J)								
1/23/2017		0.0171 (J)							
2/7/2017		0.0196 (J)							
2/20/2017	0.0053 (J)								
3/27/2017		0.0192 (J)							
4/17/2017		0.0169 (J)							
4/19/2017	0.0055 (J)								
5/22/2017		0.0167 (J)							
6/5/2017	0.0068 (J)	0.0177 (J)							
7/11/2017		0.0203 (J)							
7/17/2017	<0.03								
8/23/2017		0.0182 (J)							
3/26/2018		0.0063 (J)							
3/29/2018	0.0053 (J)								
6/13/2018	0.0067 (J)								
6/15/2018		0.0049 (J)							
10/17/2018					0.0044 (J)				
10/19/2018			0.00098 (J)						
10/22/2018	0.0075 (J)	0.005 (J)		0.011 (J)					
3/1/2019	0.0068 (J)	0.0044 (J)							
4/2/2019		0.0041 (J)				0.0021 (J)			
4/3/2019	0.0048 (J)								
4/4/2019			0.00068 (J)	0.0096 (J)					
9/24/2019			<0.03						
9/26/2019				0.013					
9/27/2019		0.0012 (J)				0.0028 (J)			
9/30/2019	0.0077 (J)								
2/25/2020				0.011 (J)		0.044			
2/26/2020	0.0082 (J)	0.00096 (J)			0.001 (J)				
2/27/2020			<0.03				0.02 (J)	0.0036 (J)	
2/28/2020									0.00084 (J)
3/23/2020		0.0014 (J)			<0.03				
3/24/2020			<0.03			0.025 (J)	0.019 (J)	0.0029 (J)	
3/25/2020	0.0078 (J)			0.0092 (J)					0.00079 (J)
9/2/2020							0.0096 (J)		
9/25/2020	0.0078 (J)	0.0011 (J)		0.0062 (J)		0.014 (J)			
9/28/2020			<0.03		0.0011 (J)				
9/29/2020								0.0066 (J)	<0.03
2/19/2021	0.0086 (J)		<0.03						
2/22/2021				0.014 (J)		0.0092 (J)		0.0038 (J)	<0.03
3/8/2021		0.0012 (J)			0.0017 (J)				
3/9/2021							0.011 (J)		
3/25/2021		<0.03			0.0022 (J)				
3/26/2021	<0.03			0.02 (J)		0.0066 (J)			
3/29/2021							0.012 (J)		
3/30/2021			<0.03						0.00086 (J)
3/31/2021								0.0039 (J)	
8/19/2021		0.0012 (J)					0.0066 (J)		
8/20/2021				0.016 (J)		0.004 (J)			

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-24	BGWC-30	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
8/23/2021	0.0076 (J)				0.0022 (J)				
8/24/2021			<0.03					0.0056 (J)	0.001 (J)
2/14/2022		0.0015 (J)			0.002 (J)		0.0061 (J)		
2/15/2022	0.0086 (J)								
2/16/2022			<0.03					0.0042 (J)	<0.15 (o)
2/17/2022				0.018 (J)		<0.15 (o)			
7/28/2022			<0.03	0.016 (J)		0.0026 (J)			<0.03
7/29/2022					0.0012 (J)				
8/1/2022		0.0012 (J)							
8/2/2022	<0.03						0.009 (J)	0.0038 (J)	
10/21/2022	0.0057 (J)								
1/30/2023			<0.03	0.021 (J)		0.0025 (J)			
1/31/2023									<0.03
2/1/2023	0.0063 (J)	0.0018 (J)			0.0013 (J)				
2/2/2023								0.0029 (J)	
2/7/2023							0.0011 (J)		
8/18/2023			<0.03						<0.03
8/21/2023		0.0012 (J)			0.0012 (J)		<0.03		
8/23/2023								0.0034 (J)	
8/24/2023				0.023 (J)		0.003 (J)			
8/25/2023	0.0058 (J)								
Mean	0.007688	0.008257	0.02551	0.01446	0.002938	0.01232	0.01094	0.00407	0.01705
Std. Dev.	0.002954	0.007793	0.01095	0.005078	0.003738	0.01395	0.005862	0.001171	0.01535
Upper Lim.	0.0082	0.0171	0.03	0.01824	0.0044	0.02198	0.01617	0.005042	0.03
Lower Lim.	0.0058	0.0012	0.00098	0.01069	0.0011	0.002361	0.005709	0.003083	0.00079

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7
6/8/2016									0.0079
8/11/2016									0.0093 (J)
10/6/2016									0.0102 (J)
12/6/2016									0.0094 (J)
2/15/2017									<0.03
4/18/2017									0.0086 (J)
6/2/2017									0.0102 (J)
7/14/2017									0.0092 (J)
3/27/2018									0.0087 (J)
6/13/2018									0.0084 (J)
10/18/2018									0.0083 (J)
2/28/2019									0.0086 (J)
4/2/2019									0.0073 (J)
9/24/2019									0.0083 (J)
2/21/2020									0.0088 (J)
3/19/2020									0.0097 (J)
9/2/2020	0.00092 (J)								
9/3/2020		0.0014 (J)	0.023 (J)	0.0016 (J)					
9/25/2020									0.0065 (J)
1/28/2021							0.0017 (J)	0.0037 (J)	
2/18/2021				0.0035 (J)					0.0072 (J)
2/22/2021	0.0017 (J)	<0.03							
2/23/2021							0.0015 (J)	0.0038 (J)	
3/8/2021			0.024 (J)						
3/29/2021			0.026 (J)						
3/30/2021							0.0035 (J)	0.0038 (J)	0.0084 (J)
3/31/2021	0.0017 (J)			0.0029 (J)					
4/1/2021		0.0022 (J)							
4/19/2021					0.0083 (J)	<0.03			
8/18/2021				0.0027 (J)		<0.03			
8/19/2021									0.007 (J)
8/20/2021		0.0012 (J)							
8/23/2021			0.031				0.0011 (J)	0.0033 (J)	
8/24/2021	0.0024 (J)				0.01 (J)				
2/9/2022				0.0036 (J)		<0.03			
2/11/2022									0.0074 (J)
2/14/2022							<0.03	0.002 (J)	
2/15/2022	0.002 (J)		0.027 (J)						
2/17/2022		<0.15 (o)			0.0076 (J)				
7/26/2022				0.0037 (J)		<0.03			
7/28/2022		0.0016 (J)						0.00088 (J)	0.0061 (J)
7/29/2022	0.0018 (J)								
8/1/2022			0.025 (J)		0.0057 (J)		<0.03		
1/25/2023				0.004 (J)		0.0019 (J)			
1/26/2023									0.0065 (J)
1/30/2023		<0.03							
1/31/2023							<0.03	0.0011 (J)	
2/1/2023	0.0019 (J)				0.0042 (J)				
2/7/2023			0.016 (J)						
8/15/2023				0.0063 (J)		0.0015 (J)			
8/17/2023									0.0059 (J)
8/21/2023							<0.03		

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7
8/22/2023					0.0065 (J)			<0.03	
8/23/2023	<0.03		0.022 (J)						
8/24/2023		0.0017 (J)							
Mean	0.003427	0.009729	0.02425	0.003538	0.00705	0.02057	0.01597	0.004197	0.008454
Std. Dev.	0.004694	0.01385	0.004334	0.001349	0.00204	0.01461	0.01501	0.004528	0.001854
Upper Lim.	0.015	0.03	0.02884	0.004967	0.009853	0.03	0.03	0.007723	0.00928
Lower Lim.	0.00092	0.0012	0.01966	0.002108	0.004247	0.0015	0.0011	0.0009753	0.007502

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-8	BGWC-9
6/6/2016		<0.03
6/7/2016	<0.03	
8/10/2016	<0.03	
8/11/2016		<0.03
10/4/2016	<0.03	
10/5/2016		<0.03
12/2/2016	<0.03	
12/5/2016		<0.03
2/14/2017	<0.03	
2/15/2017		<0.03
4/14/2017	<0.03	
4/17/2017		0.0013 (J)
5/26/2017	<0.03	0.0013 (J)
7/10/2017	<0.03	
7/11/2017		<0.03
3/26/2018	<0.03	
3/27/2018		0.0014 (J)
6/12/2018	<0.03	0.0012 (J)
10/16/2018	0.001 (J)	
10/17/2018		<0.03
2/25/2019	<0.03	
4/1/2019	<0.03	0.0012 (J)
9/24/2019	<0.03	0.0011 (J)
2/19/2020	<0.03	
2/20/2020		0.002 (J)
3/18/2020	<0.03	
3/19/2020		0.0019 (J)
9/23/2020	<0.03	
9/24/2020		0.0011 (J)
2/16/2021	<0.03	
2/17/2021		0.0013 (J)
3/24/2021	<0.03	0.0014 (J)
8/18/2021	<0.03	0.0013 (J)
2/10/2022	<0.03	0.0016 (J)
7/26/2022	<0.03	0.0014 (J)
1/26/2023	<0.03	0.0018 (J)
8/16/2023	<0.03	
8/17/2023		0.0015 (J)
Mean	0.02879	0.01012
Std. Dev.	0.00592	0.01345
Upper Lim.	0.03	0.03
Lower Lim.	0.001	0.0013

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
6/6/2016	8.4E-05 (J)								
6/7/2016		0.0001 (J)	0.0001 (J)		9.8E-05 (J)	0.00017 (J)			
6/8/2016							<0.0002	<0.0002	<0.0002
8/10/2016	<0.0002								
8/11/2016					<0.0002	0.00019 (J)			
8/12/2016			<0.0002				<0.0002	<0.0002	<0.0002
8/16/2016		<0.0002							
10/4/2016	<0.0002								
10/6/2016			<0.0002						
10/7/2016		<0.0002			<0.0002	0.00014 (J)	<0.0002	<0.0002	
10/10/2016									<0.0002
12/1/2016	<0.0002								
12/5/2016			<0.0002						
12/6/2016		<0.0002			<0.0002	0.00016 (J)	<0.0002		
12/7/2016								8E-05 (J)	<0.0002
2/14/2017	<0.0002								
2/15/2017			<0.0002						
2/16/2017		<0.0002			<0.0002	0.00017 (J)	<0.0002	<0.0002	
2/17/2017									<0.0002
4/13/2017	<0.0002								
4/18/2017		<0.0002	<0.0002		<0.0002				
4/19/2017						0.00014 (J)	<0.0002	<0.0002	<0.0002
5/25/2017	<0.0002								
5/30/2017					<0.0002	0.00023 (J)			
6/1/2017							<0.0002	<0.0002	<0.0002
6/2/2017		<0.0002	<0.0002						
7/7/2017	<0.0002								
7/12/2017		<0.0002							
7/13/2017			<0.0002						
7/14/2017					<0.0002	0.00016 (J)	<0.0002	<0.0002	
7/18/2017									<0.0002
3/27/2018		<0.0002			<0.0002	<0.0002	<0.0002	<0.0002	
3/28/2018			<0.0002						<0.0002
2/25/2019					<0.0002				
2/27/2019						0.00029 (J)	7.9E-05 (J)		6.6E-05 (J)
2/28/2019		4.8E-05 (J)	5.8E-05 (J)						
3/1/2019								5E-05 (J)	
4/1/2019			<0.0002						
4/2/2019	<0.0002	<0.0002			<0.0002	0.0004	<0.0002		
4/3/2019								<0.0002	<0.0002
9/23/2019	<0.0002								
9/25/2019		<0.0002	<0.0002						
9/26/2019					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
2/18/2020	<0.0002								
2/20/2020		<0.0002			<0.0002				
2/24/2020			<0.0002			0.0003 (J)	<0.0002	<0.0002	<0.0002
3/19/2020	<0.0002		<0.0002		<0.0002	0.00017 (J)			
3/20/2020							<0.0002	<0.0002	
3/23/2020		<0.0002							<0.0002
5/22/2020				<0.0002					
6/23/2020				<0.0002					
7/28/2020				<0.0002					

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
9/2/2020				<0.0002					
9/23/2020	<0.0002								
9/24/2020		<0.0002			<0.0002	0.00027 (J)	<0.0002		
9/25/2020			<0.0002						
9/28/2020								<0.0002	<0.0002
10/1/2020				<0.0002					
11/10/2020				<0.0002					
12/15/2020				<0.0002					
1/20/2021				<0.0002					
2/18/2021	<0.0002	<0.0002		<0.0002	<0.0002	0.00017 (J)	<0.0002	<0.0002	<0.0002
2/19/2021			<0.0002						
3/24/2021			<0.0002	<0.0002	<0.0002	0.00012 (J)	<0.0002		
3/26/2021								<0.0002	
3/29/2021									<0.0002
3/30/2021		<0.0002							
3/31/2021	<0.0002								
8/16/2021	<0.0002								
8/18/2021		<0.0002	<0.0002	<0.0002	0.0002 (J)				
8/19/2021						<0.0002	<0.0002		
8/20/2021								<0.0002	<0.0002
2/9/2022	<0.0002			<0.0002					
2/11/2022		<0.0002	<0.0002		<0.0002	<0.0002			
2/16/2022							<0.0002	<0.0002	<0.0002
7/26/2022	<0.0002			0.00016 (J)					
7/27/2022			<0.0002		<0.0002	0.00025	<0.0002	<0.0002	<0.0002
7/28/2022		<0.0002							
1/25/2023	<0.0002								
1/26/2023			0.00013 (J)	<0.0002	0.00015 (J)	0.00027	<0.0002		
1/27/2023		0.00018 (J)						0.00018 (J)	
1/30/2023									<0.0002
8/15/2023	<0.0002								
8/16/2023			<0.0002	<0.0002					
8/17/2023		<0.0002			<0.0002	0.00031	<0.0002		
8/18/2023								<0.0002	<0.0002
Mean	0.0001942	0.0001876	0.0001858	0.0001973	0.0001931	0.0002141	0.0001945	0.0001868	0.0001939
Std. Dev.	2.594E-05	3.789E-05	3.82E-05	1.033E-05	2.376E-05	6.884E-05	2.58E-05	3.993E-05	2.857E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002329	0.0002	0.0002	0.0002
Lower Lim.	8.4E-05	0.00018	0.00013	0.00016	0.00015	0.0001491	7.9E-05	0.00018	6.6E-05

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-34D	BGWC-35D
6/8/2016	<0.0002	9.2E-05 (J)			<0.0002				
6/9/2016			<0.0002	<0.0002					
8/15/2016					<0.0002				
8/18/2016	<0.0002	<0.0002	<0.0002	<0.0002					
10/10/2016	<0.0002	<0.0002	<0.0002	4E-05 (J)	<0.0002				
12/7/2016			5E-05 (J)	7E-05 (J)					
12/8/2016	<0.0002	<0.0002			<0.0002				
1/23/2017						8E-05 (J)			
2/7/2017						0.00011 (J)			
2/17/2017	<0.0002	<0.0002							
2/20/2017			<0.0002	5E-05 (J)	<0.0002				
3/27/2017						8E-05 (J)			
4/17/2017						4E-05 (J)			
4/19/2017	<0.0002		<0.0002	0.00016 (J)					
4/20/2017		<0.0002			<0.0002				
5/22/2017						<0.0002			
6/1/2017	<0.0002				<0.0002				
6/5/2017		<0.0002	<0.0002	0.00013 (J)		6E-05 (J)			
7/11/2017						9.1E-05 (J)			
7/17/2017			<0.0002	0.00013 (J)	<0.0002				
7/18/2017	<0.0002								
7/19/2017		<0.0002							
8/23/2017						5E-05 (J)			
3/26/2018						<0.0002			
3/28/2018	<0.0002				<0.0002				
3/29/2018		<0.0002	<0.0002	<0.0002					
3/1/2019		4.2E-05 (J)	4.4E-05 (J)	0.00093	4.7E-05 (J)	0.0001 (J)			
4/2/2019						<0.0002			
4/3/2019	<0.0002	<0.0002	<0.0002	0.0013					
4/4/2019					<0.0002		<0.0002	<0.0002	<0.0002
9/24/2019							<0.0002	<0.0002	
9/26/2019									<0.0002
9/27/2019		<0.0002	<0.0002			<0.0002			
9/30/2019	<0.0002			0.0011	<0.0002				
2/25/2020		<0.0002	<0.0002						<0.0002
2/26/2020	<0.0002			0.0011	<0.0002	<0.0002	<0.0002		
2/27/2020								<0.0002	
3/20/2020	<0.0002	<0.0002							
3/23/2020			<0.0002			<0.0002	<0.0002		
3/24/2020					<0.0002			<0.0002	
3/25/2020				0.0011					<0.0002
9/24/2020	<0.0002	<0.0002	<0.0002						
9/25/2020				0.0036		<0.0002			<0.0002
9/28/2020					<0.0002		<0.0002	<0.0002	
2/19/2021	<0.0002	<0.0002	<0.0002	0.0033				<0.0002	
2/22/2021							<0.0002		<0.0002
2/23/2021					<0.0002				
3/8/2021						<0.0002			
3/25/2021						<0.0002			
3/26/2021			<0.0002	0.0058	<0.0002				<0.0002
3/29/2021	<0.0002	<0.0002					<0.0002		
3/30/2021								<0.0002	

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-34D	BGWC-35D
8/19/2021					<0.0002	<0.0002			
8/20/2021	<0.0002						<0.0002		<0.0002
8/23/2021		<0.0002	<0.0002	0.00026					
8/24/2021								<0.0002	
2/14/2022			<0.0002			<0.0002			
2/15/2022		<0.0002		0.0014					
2/16/2022	<0.0002				<0.0002		<0.0002	<0.0002	
2/17/2022									<0.0002
7/27/2022					<0.0002				
7/28/2022	<0.0002						0.00015 (J)	0.00014 (J)	0.00016 (J)
8/1/2022			<0.0002			<0.0002			
8/2/2022		<0.0002		<0.0002					
10/21/2022				0.00026					
1/27/2023	0.00021				0.00015 (J)		0.00014 (J)		
1/30/2023								0.00016 (J)	0.00014 (J)
2/1/2023				0.00059		<0.0002			
2/2/2023			<0.0002						
2/7/2023		<0.0002							
8/17/2023					<0.0002				
8/18/2023							<0.0002	<0.0002	
8/21/2023						<0.0002			
8/22/2023		<0.0002							
8/23/2023	<0.0002		0.00013 (J)						
8/24/2023									<0.0002
8/25/2023				0.0023					
Mean	0.0002005	0.0001879	0.0001829	0.001062	0.0001908	0.000155	0.0001908	0.0001917	0.0001917
Std. Dev.	2.182E-06	3.989E-05	4.645E-05	0.001441	3.383E-05	6.25E-05	2.151E-05	1.992E-05	1.992E-05
Upper Lim.	0.00021	0.0002	0.0002	0.0009712	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.0002	9.2E-05	0.00013	0.0001515	0.00015	9.1E-05	0.00015	0.00016	0.00016

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-36D	BGWC-38D	BGWC-41D	BGWC-43D	BGWC-44D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/7/2016									9.7E-05 (J)
6/8/2016								<0.0002	
8/10/2016									<0.0002
8/11/2016								<0.0002	
10/4/2016									<0.0002
10/6/2016								<0.0002	
12/2/2016									<0.0002
12/6/2016								<0.0002	
2/14/2017									<0.0002
2/15/2017								<0.0002	
4/14/2017									<0.0002
4/18/2017								<0.0002	
5/26/2017									<0.0002
6/2/2017								<0.0002	
7/10/2017									<0.0002
7/14/2017								<0.0002	
3/26/2018									<0.0002
3/27/2018								<0.0002	
2/25/2019									<0.0002
2/28/2019								5.3E-05 (J)	
4/1/2019									<0.0002
4/2/2019	<0.0002							<0.0002	
9/24/2019								<0.0002	<0.0002
9/27/2019	<0.0002								<0.0002
2/19/2020									<0.0002
2/21/2020								<0.0002	
2/26/2020	0.00018 (J)								
2/27/2020		<0.0002							
3/18/2020									<0.0002
3/19/2020								<0.0002	
3/23/2020	<0.0002								
3/24/2020		<0.0002							
9/2/2020		0.0001 (J)	<0.0002						
9/3/2020				<0.0002	<0.0002				
9/23/2020									<0.0002
9/25/2020								<0.0002	
9/28/2020	<0.0002								
1/28/2021						0.0046	0.00019 (J)		
2/16/2021									<0.0002
2/18/2021					<0.0002			<0.0002	
2/22/2021			<0.0002						
2/23/2021						0.0033	<0.0002		
3/8/2021	<0.0002			<0.0002					
3/9/2021		<0.0002							
3/24/2021									<0.0002
3/25/2021	<0.0002								
3/29/2021		<0.0002		<0.0002					
3/30/2021						0.002	<0.0002	<0.0002	
3/31/2021			<0.0002		<0.0002				
8/18/2021					<0.0002				<0.0002
8/19/2021		0.00012 (J)						<0.0002	
8/23/2021	<0.0002			<0.0002		0.0014	<0.0002		

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-36D	BGWC-38D	BGWC-41D	BGWC-43D	BGWC-44D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/24/2021			<0.0002						
2/9/2022					<0.0002				
2/10/2022									<0.0002
2/11/2022								<0.0002	
2/14/2022	<0.0002	<0.0002				0.00025	<0.0002		
2/15/2022			<0.0002	<0.0002					
7/26/2022					0.00017 (J)				0.00016 (J)
7/28/2022							<0.0002	<0.0002	
7/29/2022	<0.0002		<0.0002						
8/1/2022				<0.0002		<0.0002			
8/2/2022		0.00028							
1/25/2023					<0.0002				
1/26/2023								<0.0002	<0.0002
1/31/2023						0.00021	0.00018 (J)		
2/1/2023	<0.0002		<0.0002						
2/7/2023		<0.0002		<0.0002					
8/15/2023					<0.0002				
8/16/2023									<0.0002
8/17/2023								<0.0002	
8/21/2023	0.00016 (J)	0.00057				0.00016 (J)			
8/22/2023							<0.0002		
8/23/2023			0.00018 (J)	0.00015 (J)					
Mean	0.000195	0.000227	0.0001975	0.0001937	0.0001962	0.001502	0.0001962	0.0001933	0.0001935
Std. Dev.	1.243E-05	0.0001301	7.071E-06	1.768E-05	1.061E-05	0.001694	7.44E-06	3.134E-05	2.318E-05
Upper Lim.	0.0002	0.00028	0.0002	0.0002	0.0002	0.003181	0.0002	0.0002	0.0002
Lower Lim.	0.00018	0.00012	0.00018	0.00015	0.00017	7.545E-05	0.00018	5.3E-05	0.00016

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-9
6/6/2016	8E-05 (J)
8/11/2016	<0.0002
10/5/2016	<0.0002
12/5/2016	<0.0002
2/15/2017	<0.0002
4/17/2017	<0.0002
5/26/2017	<0.0002
7/11/2017	<0.0002
3/27/2018	<0.0002
4/1/2019	<0.0002
9/24/2019	<0.0002
2/20/2020	<0.0002
3/19/2020	<0.0002
9/24/2020	<0.0002
2/17/2021	<0.0002
3/24/2021	<0.0002
8/18/2021	<0.0002
2/10/2022	<0.0002
7/26/2022	0.00016 (J)
1/26/2023	0.00013 (J)
8/17/2023	<0.0002
Mean	0.000189
Std. Dev.	3.032E-05
Upper Lim.	0.0002
Lower Lim.	0.00016

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/6/2016	<0.01								
6/7/2016		0.0067 (J)							
6/8/2016				<0.01	0.011 (J)	0.0027 (J)	0.07		
6/9/2016								0.013 (J)	0.0024 (J)
8/10/2016	<0.01								
8/12/2016				<0.01	0.0127				
8/16/2016		0.0032 (J)							
8/18/2016						0.0023 (J)	0.0758	0.0136	0.0034 (J)
10/4/2016	<0.01								
10/7/2016		0.0032 (J)		<0.01					
10/10/2016					0.0136	0.0025 (J)	0.0712	0.0134	0.0047 (J)
12/1/2016	<0.01								
12/6/2016		0.0049 (J)							
12/7/2016				<0.01	0.0139			0.0128	0.0066 (J)
12/8/2016						<0.01	0.0682		
2/14/2017	<0.01								
2/16/2017		0.0039 (J)		<0.01					
2/17/2017					0.0148	<0.01	0.066		
2/20/2017								0.0122	0.0026 (J)
4/13/2017	<0.01								
4/18/2017		0.0032 (J)							
4/19/2017				<0.01	0.012	0.0014 (J)		0.0124	0.002 (J)
4/20/2017							0.0662		
5/25/2017	<0.01								
6/1/2017				<0.01	0.0125	0.0012 (J)			
6/2/2017		0.0035 (J)							
6/5/2017							0.071	0.0115	0.0015 (J)
7/7/2017	<0.01								
7/12/2017		0.0037 (J)							
7/14/2017				<0.01					
7/17/2017								0.0131	0.0013 (J)
7/18/2017					0.0155	0.0013 (J)			
7/19/2017							0.0703		
3/27/2018		0.0032 (J)		<0.01					
3/28/2018					0.012	<0.01			
3/29/2018							0.056	0.013	0.0027 (J)
6/13/2018					0.016			0.013	<0.01
6/14/2018		0.0033 (J)				<0.01	0.059		
6/15/2018				<0.01					
10/16/2018	<0.01								
10/18/2018		0.0034 (J)							
10/19/2018				<0.01		<0.01			
10/22/2018					0.013		0.055	0.013	<0.01
2/27/2019					0.013				
2/28/2019		0.0035 (J)							
3/1/2019				<0.01			0.039	0.013	<0.01
4/2/2019	0.00026 (J)	0.0032 (J)							
4/3/2019				0.00023 (J)	0.012	0.0019 (J)	0.039	0.012	0.00095 (J)
5/2/2019							0.043		
9/23/2019	<0.01								
9/25/2019		0.0035 (J)							
9/26/2019				<0.01	0.015				

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
9/27/2019							0.045	0.012	
9/30/2019						0.003 (J)			0.00099 (J)
2/18/2020	<0.01								
2/20/2020		0.0037 (J)							
2/24/2020				<0.01	0.015				
2/25/2020							0.039	0.014	
2/26/2020						0.0016 (J)			<0.01
3/19/2020	<0.01								
3/20/2020				<0.01		0.0023 (J)	0.039		
3/23/2020		0.0035 (J)			0.016			0.013	
3/25/2020									<0.01
5/22/2020			0.0012 (J)						
6/23/2020			<0.01						
7/28/2020			0.00094 (J)						
9/2/2020			0.0013 (J)						
9/23/2020	<0.01								
9/24/2020		0.0032 (J)				0.0036 (J)	0.04	0.011	
9/25/2020									0.00081 (J)
9/28/2020				<0.01	0.018				
10/1/2020			0.0017 (J)						
11/10/2020			0.0016 (J)						
12/15/2020			0.0019						
1/20/2021			0.0016 (J)						
2/18/2021	<0.01	0.0036 (J)	0.0045 (J)	<0.01	0.028				
2/19/2021						0.0013 (J)	0.046	0.011	<0.01
3/24/2021			<0.01						
3/26/2021				<0.01				0.011 (J)	<0.01
3/29/2021					0.024	0.0021 (J)	0.045		
3/30/2021		0.0035 (J)							
3/31/2021	0.001 (J)								
7/19/2021							0.044	0.011	<0.01
8/16/2021	<0.01								
8/18/2021		0.0029 (J)	0.0011 (J)						
8/20/2021				<0.01	0.026	0.003 (J)			
8/23/2021							0.041	0.0098 (J)	<0.01
11/1/2021							0.043	0.0092 (J)	<0.01
2/9/2022	<0.01		<0.01						
2/11/2022		0.003 (J)							
2/14/2022								0.0079 (J)	
2/15/2022							0.039		<0.01
2/16/2022				<0.01	0.025	0.005 (J)			
7/26/2022	<0.01		0.0015 (J)						
7/27/2022				<0.01	0.028				
7/28/2022		0.0028 (J)				0.0042 (J)			
8/1/2022								0.0071 (J)	
8/2/2022							0.04		0.0027 (J)
10/21/2022									<0.01 (R)
1/25/2023	<0.01								
1/26/2023			0.0016 (J)						
1/27/2023		0.0025 (J)		<0.01		0.003 (J)			
1/30/2023					0.035				
2/1/2023									<0.01

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
2/2/2023								0.0078 (J)	
2/7/2023							0.032		
8/15/2023	<0.01								
8/16/2023			0.0016 (J)						
8/17/2023		0.0025 (J)							
8/18/2023				<0.01	0.054				
8/22/2023							0.036		
8/23/2023						0.0027 (J)		0.006 (J)	
8/25/2023									<0.01
Mean	0.009108	0.003483	0.003369	0.009593	0.019	0.004135	0.05106	0.01142	0.006394
Std. Dev.	0.002821	0.0008375	0.003527	0.001994	0.009899	0.00329	0.01378	0.002182	0.003975
Upper Lim.	0.01	0.0036	0.01	0.01	0.025	0.002577	0.0662	0.01252	0.01
Lower Lim.	0.001	0.003	0.0012	0.00023	0.0127	0.001637	0.04	0.01063	0.0024

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D
6/8/2016	0.0064 (J)								
8/15/2016	0.0039 (J)								
10/10/2016	0.0029 (J)								
12/8/2016	<0.01								
1/23/2017		0.0125							
2/7/2017		0.0163							
2/20/2017	0.0024 (J)								
3/27/2017		0.0157							
4/17/2017		0.0178							
4/20/2017	0.0019 (J)								
5/22/2017		0.0208							
6/1/2017	0.0026 (J)								
6/5/2017		0.0191							
7/11/2017		0.0218							
7/17/2017	0.0024 (J)								
8/23/2017		0.0218							
3/26/2018		0.014							
3/28/2018	<0.01								
6/14/2018	<0.01								
6/15/2018		0.012							
10/17/2018							0.017		
10/18/2018			<0.01						
10/19/2018					0.0021 (J)				
10/22/2018	<0.01	0.01		0.0038 (J)		0.033			
11/29/2018						0.03			
1/14/2019							0.013		
3/1/2019	<0.01	0.011							
4/2/2019		0.01					0.011		
4/4/2019	0.00096 (J)		0.00033 (J)		0.0011 (J)	0.03			
4/5/2019				0.0035 (J)					
5/2/2019									0.11
5/3/2019				0.0048 (J)			0.04		
9/24/2019			<0.01		<0.01				
9/26/2019				0.003 (J)		0.033			
9/27/2019		0.0036 (J)					0.013		
9/30/2019	<0.01								
2/25/2020						0.026		0.012	
2/26/2020	<0.01	0.0023 (J)	<0.01				0.0032 (J)		
2/27/2020				0.0032 (J)	0.001 (J)				0.11
3/23/2020		0.0037 (J)	<0.01				0.0058 (J)		
3/24/2020	<0.01			0.0031 (J)	0.001 (J)			0.01	0.12
3/25/2020						0.022			
9/2/2020									0.1
9/25/2020		0.0027 (J)		0.003 (J)		0.024		0.0088 (J)	
9/28/2020	<0.01		<0.01		0.00078 (J)		0.0084 (J)		
2/19/2021					0.0009 (J)				
2/22/2021			<0.01			0.035		0.012	
2/23/2021	<0.01			0.0032 (J)					
3/8/2021		0.0031 (J)					0.0083 (J)		
3/9/2021									0.13
3/25/2021		0.0017 (J)					0.013		
3/26/2021	<0.01					0.036		0.017	

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D
3/29/2021			<0.01						0.13
3/30/2021				0.0037 (J)	0.0011 (J)				
7/20/2021		0.0018 (J)							
8/19/2021	<0.01	0.0032 (J)							0.076
8/20/2021			<0.01			0.04		0.016	
8/23/2021							0.014		
8/24/2021					0.00098 (J)				
8/25/2021				0.0038 (J)					
11/1/2021		0.0032 (J)							0.081
2/14/2022		0.0048 (J)					0.012		0.097
2/16/2022	<0.01		<0.01	0.0038 (J)	0.00094 (J)				
2/17/2022						0.039		0.016	
7/27/2022	<0.01								
7/28/2022			<0.01		0.0011 (J)	0.036		0.0082 (J)	
7/29/2022				0.0036 (J)			0.0095 (J)		
8/1/2022		0.0047 (J)							
8/2/2022									0.093
1/27/2023	<0.01		<0.01						
1/30/2023					0.0011 (J)	0.035		0.014	
1/31/2023				0.0039 (J)					
2/1/2023		0.0058 (J)					0.0083 (J)		
2/7/2023									0.02
8/17/2023	<0.01								
8/18/2023			<0.01	0.0041 (J)	0.0011 (J)				
8/21/2023		0.0048 (J)					0.01		0.04
8/24/2023						0.034		0.019	
Mean	0.007644	0.009546	0.009256	0.003607	0.0014	0.03236	0.01046	0.01573	0.09225
Std. Dev.	0.00352	0.006934	0.002682	0.0004969	0.001127	0.005372	0.003578	0.008774	0.03394
Upper Lim.	0.01	0.01181	0.01	0.003959	0.0021	0.03616	0.013	0.02124	0.1189
Lower Lim.	0.0029	0.005365	0.00033	0.003255	0.0009	0.02855	0.00793	0.009609	0.06562

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51
2/27/2020	0.0039 (J)								
2/28/2020		0.0014 (J)							
3/24/2020	0.0026 (J)								
3/25/2020		0.0012 (J)							
5/4/2020			<0.01		0.14	<0.01			
5/11/2020				0.02					
5/20/2020				0.021	0.16				
9/2/2020			0.015						
9/3/2020				0.018	0.11	0.0055 (J)			
9/29/2020	0.01	0.00069 (J)							
1/28/2021									<0.01
2/18/2021						0.0062 (J)			
2/22/2021	0.0076 (J)	<0.01	0.013	0.0052 (J)					
2/23/2021									<0.01
3/8/2021					0.2				
3/29/2021					0.21				
3/30/2021		<0.01							0.0027 (J)
3/31/2021	0.0062 (J)		0.011			0.0023 (J)			
4/1/2021				0.0059 (J)					
4/19/2021							0.0067 (J)	0.0043 (J)	
7/20/2021					0.24				
8/18/2021						0.0041 (J)		0.0021 (J)	
8/20/2021				0.013					
8/23/2021					0.21				<0.01
8/24/2021	0.0076 (J)	<0.01	0.011				0.0049 (J)		
2/9/2022						0.0011 (J)		0.0032 (J)	
2/14/2022									<0.01
2/15/2022			0.0087 (J)		0.15				
2/16/2022	0.0052 (J)	<0.01							
2/17/2022				0.0055 (J)			0.0056 (J)		
7/26/2022						0.012		0.0029 (J)	
7/28/2022		<0.01		0.0092 (J)					
7/29/2022			0.008 (J)						
8/1/2022					0.16		0.0066 (J)		<0.01
8/2/2022	0.0062 (J)								
1/25/2023						0.011		0.0067 (J)	
1/30/2023				0.0033 (J)					
1/31/2023		<0.01							<0.01
2/1/2023			0.0092 (J)				0.0072 (J)		
2/2/2023	0.0035 (J)								
2/7/2023					0.13				
8/15/2023						0.0026 (J)		0.0041 (J)	
8/18/2023		<0.01							
8/21/2023									<0.01
8/22/2023							0.0048 (J)		
8/23/2023	0.0026 (J)		0.0092 (J)		0.18				
8/24/2023				0.013					
Mean	0.00554	0.007329	0.01001	0.01141	0.1718	0.005533	0.005967	0.003883	0.009087
Std. Dev.	0.002438	0.004304	0.002915	0.006572	0.0397	0.003762	0.001009	0.001598	0.002581
Upper Lim.	0.007715	0.01	0.01283	0.01727	0.2049	0.009165	0.007353	0.006079	0.01
Lower Lim.	0.003365	0.0012	0.007197	0.005546	0.1387	0.001902	0.00458	0.001688	0.0027

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016				0.0028 (J)
6/7/2016			0.00063 (J)	
6/8/2016		0.0088 (J)		
8/10/2016			0.0039 (J)	
8/11/2016		0.01		0.003 (J)
10/4/2016			0.0052 (J)	
10/5/2016				0.0032 (J)
10/6/2016		0.0117		
12/2/2016			<0.01	
12/5/2016				0.0033 (J)
12/6/2016		0.0102		
2/14/2017			0.0044 (J)	
2/15/2017		0.0018 (J)		0.0027 (J)
4/14/2017			0.0013 (J)	
4/17/2017				0.0025 (J)
4/18/2017		0.0103		
5/26/2017			0.0024 (J)	0.0029 (J)
6/2/2017		0.0129		
7/10/2017			0.0013 (J)	
7/11/2017				0.0029 (J)
7/14/2017		0.0129		
3/26/2018			<0.01	
3/27/2018		0.01		0.0031 (J)
6/12/2018			0.0026 (J)	0.0043 (J)
6/13/2018		0.013		
10/16/2018			0.0041 (J)	
10/17/2018				0.0038 (J)
10/18/2018		0.01 (J)		
2/25/2019			<0.01	
2/28/2019		0.016		
4/1/2019			0.00054 (J)	0.0027 (J)
4/2/2019		0.011		
9/24/2019		0.01 (J)	0.0016 (J)	0.0041 (J)
2/19/2020			0.0018 (J)	
2/20/2020				0.002 (J)
2/21/2020		0.011		
3/18/2020			<0.01	
3/19/2020		0.011		0.0024 (J)
9/23/2020			<0.01	
9/24/2020				0.0034 (J)
9/25/2020		0.0099 (J)		
1/28/2021	0.0038 (J)			
2/16/2021			0.0011 (J)	
2/17/2021				0.0033 (J)
2/18/2021		0.0098 (J)		
2/23/2021	0.0039 (J)			
3/24/2021			<0.01	0.0027 (J)
3/30/2021	0.0035 (J)	0.011		
8/18/2021			0.0019 (J)	0.0028 (J)
8/19/2021		0.0094 (J)		
8/23/2021	0.0038 (J)			
2/10/2022			0.00081 (J)	0.0026 (J)

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
2/11/2022		0.0088 (J)		
2/14/2022	0.0041 (J)			
7/26/2022			0.00096 (J)	0.0029 (J)
7/28/2022	0.0053 (J)	0.009 (J)		
1/26/2023		0.0096 (J)	0.00095 (J)	0.002 (J)
1/31/2023	0.0087 (J)			
8/16/2023			<0.01	
8/17/2023		0.011		0.0039 (J)
8/22/2023	0.0039 (J)			
Mean	0.004625	0.01038	0.004395	0.003013
Std. Dev.	0.001733	0.00245	0.00387	0.0005987
Upper Lim.	0.0087	0.0117	0.002313	0.003326
Lower Lim.	0.0035	0.0096	0.001134	0.0027

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21
6/6/2016	<0.005								
6/7/2016		<0.005		<0.005	0.0004 (J)				
6/8/2016						<0.005	0.00043 (J)	<0.005	<0.005
8/10/2016	<0.005								
8/11/2016				<0.005	<0.005				
8/12/2016		<0.005				<0.005	<0.005	<0.005	
8/18/2016									<0.005
10/4/2016	<0.005								
10/6/2016		<0.005							
10/7/2016				<0.005	<0.005	<0.005	<0.005		
10/10/2016								<0.005	0.001 (J)
12/1/2016	<0.005								
12/5/2016		<0.005							
12/6/2016				<0.005	<0.005	<0.005			
12/7/2016							<0.005	0.0037 (J)	
12/8/2016									<0.005
2/14/2017	<0.005								
2/15/2017		<0.005							
2/16/2017				0.0012 (J)	<0.005	<0.005	<0.005		
2/17/2017								<0.005	<0.005
4/13/2017	<0.005								
4/18/2017		<0.005		<0.005					
4/19/2017					<0.005	<0.005	<0.005	<0.005	<0.005
5/25/2017	<0.005								
5/30/2017				<0.005	<0.005				
6/1/2017						<0.005	<0.005	<0.005	<0.005
6/2/2017		<0.005							
7/7/2017	<0.005								
7/13/2017		<0.005							
7/14/2017				<0.005	<0.005	<0.005	<0.005		
7/18/2017								<0.005	<0.005
3/27/2018				<0.005	<0.005	<0.005	<0.005		
3/28/2018		<0.005						<0.005	<0.005
2/25/2019				<0.005					
2/27/2019					<0.005	<0.005		<0.005	
2/28/2019		<0.005							
3/1/2019							<0.005		
4/1/2019		0.0004 (J)							
4/2/2019	0.00031 (J)			0.0006 (J)	0.00077 (J)	0.001 (J)			
4/3/2019							0.00058 (J)	<0.005	0.00012 (J)
9/23/2019	<0.005								
9/25/2019		<0.005							
9/26/2019				<0.005	<0.005	<0.005	<0.005	<0.005	
9/30/2019									<0.005
2/18/2020	<0.005								
2/20/2020				0.0026 (J)					
2/24/2020		<0.005			0.0013 (J)	<0.005	0.0013 (J)	<0.005	
2/26/2020									<0.005
3/19/2020	<0.005	<0.005		0.0019 (J)	0.0022 (J)				
3/20/2020						<0.005	<0.005		<0.005
3/23/2020								<0.005	
5/22/2020			0.0014 (J)						

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21
6/23/2020			<0.005						
7/28/2020			<0.005						
9/2/2020			<0.005						
9/23/2020	<0.005								
9/24/2020				0.003 (J)	<0.005	<0.005			<0.005
9/25/2020		<0.005							
9/28/2020							<0.005	<0.005	
10/1/2020			<0.005						
11/10/2020			<0.005						
12/15/2020			<0.005						
1/20/2021			<0.005						
2/18/2021	<0.005		<0.005	0.0017 (J)	<0.005	<0.005	<0.005	<0.005	
2/19/2021		<0.005							<0.005
3/24/2021		<0.005	<0.005	0.0017 (J)	<0.005	<0.005			
3/26/2021							<0.005		
3/29/2021								<0.005	<0.005
3/31/2021	0.0032 (J)								
8/16/2021	<0.005								
8/18/2021		<0.005	<0.005	<0.005					
8/19/2021					<0.005	<0.005			
8/20/2021							<0.005	<0.005	<0.005
2/9/2022	<0.005		<0.005						
2/11/2022		<0.005		<0.005	<0.005				
2/16/2022						<0.005	<0.005	<0.005	<0.005
7/26/2022	<0.005		<0.005						
7/27/2022		<0.005		0.0018 (J)	<0.005	<0.005	<0.005	<0.005	
7/28/2022									<0.005
1/25/2023	<0.005								
1/26/2023		<0.005	<0.005	0.0024 (J)	<0.005	0.0022 (J)			
1/27/2023							<0.005		<0.005
1/30/2023								<0.005	
8/15/2023	<0.005								
8/16/2023		<0.005	<0.005						
8/17/2023				0.0015 (J)	<0.005	<0.005			
8/18/2023							<0.005	<0.005	
8/23/2023									<0.005
Mean	0.004675	0.004791	0.00476	0.003564	0.004303	0.004691	0.004423	0.004941	0.004577
Std. Dev.	0.001103	0.0009807	0.0009295	0.001673	0.001542	0.001017	0.001493	0.0002772	0.001343
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0032	0.0004	0.0014	0.0018	0.0022	0.0022	0.0013	0.0037	0.001

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-36D	BGWC-38D
6/8/2016	<0.005								
6/9/2016		<0.005	0.00099 (J)						
8/18/2016	<0.005	<0.005	0.0023 (J)						
10/10/2016	<0.005	<0.005	0.004 (J)						
12/7/2016		0.0176	0.0302						
12/8/2016	0.012								
1/23/2017				0.015					
2/7/2017				0.0114					
2/17/2017	<0.005								
2/20/2017		<0.005	0.0044 (J)						
3/27/2017				0.0092 (J)					
4/17/2017				0.0082 (J)					
4/19/2017		<0.005	0.0046 (J)						
4/20/2017	<0.005								
5/22/2017				0.0094 (J)					
6/5/2017	0.0018 (J)	<0.005	0.0033 (J)	0.0118					
7/11/2017				0.012					
7/17/2017		<0.005	0.0052 (J)						
7/19/2017	<0.005								
8/23/2017				0.0097 (J)					
3/26/2018				<0.01					
3/29/2018	<0.005	<0.005	<0.05						
3/1/2019	<0.005	<0.005	<0.05	0.01 (J)					
4/2/2019				0.0092 (J)				0.014	
4/3/2019	<0.005	<0.005	0.0038 (J)						
4/4/2019					8E-05 (J)		0.0001 (J)		
4/5/2019						0.00015 (J)			
9/24/2019					<0.005		<0.005		
9/26/2019						<0.005			
9/27/2019	<0.005	<0.005		0.0033 (J)				0.0071 (J)	
9/30/2019			0.0065 (J)						
2/25/2020	<0.005	0.002 (J)							
2/26/2020			0.0077 (J)	<0.01	<0.005			0.0029 (J)	
2/27/2020						<0.005	<0.005		<0.005
3/20/2020	<0.005								
3/23/2020		<0.005		0.0041 (J)	<0.005			0.0033 (J)	
3/24/2020						<0.005	<0.005		<0.005
3/25/2020			0.0067 (J)						
9/2/2020									0.003 (J)
9/24/2020	0.0026 (J)	<0.005							
9/25/2020			0.01	0.0035 (J)		<0.005			
9/28/2020					<0.005		<0.005	0.0076 (J)	
2/19/2021	<0.005	<0.005	0.0065				<0.005		
2/22/2021					<0.005				
2/23/2021						<0.005			
3/8/2021				0.0048 (J)				0.011	
3/9/2021									0.005
3/25/2021				0.0021 (J)				0.012	
3/26/2021		<0.005	<0.05						
3/29/2021	<0.005				<0.005				<0.005
3/30/2021						<0.005	<0.005		
8/19/2021				0.0052					<0.005

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-36D	BGWC-38D
8/20/2021					<0.005				
8/23/2021	<0.005	<0.005	0.0045 (J)					0.0086	
8/24/2021							<0.005		
8/25/2021						<0.005			
2/14/2022		<0.005		0.0084				0.011	<0.005
2/15/2022	<0.005		0.0055						
2/16/2022					<0.005	<0.005	<0.005		
7/28/2022					<0.005		<0.005		
7/29/2022						<0.005		0.011	
8/1/2022		<0.005		0.0074					
8/2/2022	<0.005		0.0027 (J)						<0.005
10/21/2022			0.0045 (J)						
1/27/2023					<0.005				
1/30/2023							<0.005		
1/31/2023						<0.005			
2/1/2023			0.006	0.01				0.0098	
2/2/2023		0.0019 (J)							
2/7/2023	0.0016 (J)								<0.005
8/18/2023					<0.005	<0.005	<0.005		
8/21/2023				0.0065				0.014	0.0019 (J)
8/22/2023	0.0017 (J)								
8/23/2023		<0.005							
8/25/2023			0.0049 (J)						
Mean	0.004759	0.005295	0.008665	0.007782	0.00459	0.004596	0.004592	0.009358	0.00449
Std. Dev.	0.002026	0.00289	0.008534	0.003359	0.00142	0.0014	0.001415	0.003637	0.001106
Upper Lim.	0.005	0.0176	0.009372	0.009585	0.005	0.005	0.005	0.01221	0.005
Lower Lim.	0.0026	0.002	0.003951	0.005979	8E-05	0.00015	0.0001	0.006504	0.003

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-51	BGWC-52	BGWC-8	BGWC-9
6/6/2016									0.00031 (J)
6/7/2016								4.8E-05 (J)	
8/10/2016								<0.005	
8/11/2016									0.001 (J)
10/4/2016								<0.005	
10/5/2016									0.0017 (J)
12/2/2016								<0.005	
12/5/2016									<0.005
2/14/2017								<0.005	
2/15/2017									<0.005
4/14/2017								<0.005	
4/17/2017									<0.005
5/26/2017								<0.005	0.0014 (J)
7/10/2017								<0.005	
7/11/2017									<0.005
3/26/2018								<0.005	
3/27/2018									<0.005
2/25/2019								<0.005	
4/1/2019								0.00015 (J)	0.0004 (J)
9/24/2019								<0.005	<0.005
2/19/2020								<0.005	
2/20/2020									<0.005
2/27/2020	<0.005								
2/28/2020		0.0018 (J)							
3/18/2020								<0.005	
3/19/2020									0.0015 (J)
3/24/2020	<0.005								
3/25/2020		0.0039 (J)							
9/2/2020			0.0016 (J)						
9/3/2020				0.0022 (J)	0.0028 (J)				
9/23/2020								<0.005	
9/24/2020									<0.005
9/29/2020	0.002 (J)	0.005 (J)							
1/28/2021						0.014	<0.005		
2/16/2021								<0.005	
2/17/2021									<0.005
2/22/2021	<0.005	0.0094	<0.005	<0.005					
2/23/2021						0.013	0.0016 (J)		
3/8/2021					<0.005				
3/24/2021								<0.005	<0.005
3/29/2021					<0.005				
3/30/2021		0.0098				0.01 (J)	<0.005		
3/31/2021	0.002 (J)		0.0016 (J)						
4/1/2021				0.0027 (J)					
8/18/2021								<0.005	0.0014 (J)
8/20/2021				<0.005					
8/23/2021					<0.005	0.013	<0.005		
8/24/2021	<0.005	0.0096	<0.005						
2/10/2022								<0.005	<0.005
2/14/2022						0.0042 (J)	0.0018 (J)		
2/15/2022			<0.005		<0.005				
2/16/2022	<0.005	0.0084							

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-51	BGWC-52	BGWC-8	BGWC-9
2/17/2022				<0.005					
7/26/2022								<0.005	0.0015 (J)
7/28/2022		0.007		<0.005			<0.005		
7/29/2022			<0.005						
8/1/2022					<0.005	0.0036 (J)			
8/2/2022	<0.005								
1/26/2023								<0.005	0.0015 (J)
1/30/2023				<0.005					
1/31/2023		0.0097				0.0058	<0.005		
2/1/2023			0.0016 (J)						
2/2/2023	<0.005								
2/7/2023					<0.005				
8/16/2023								<0.005	
8/17/2023									0.0015 (J)
8/18/2023		0.0082							
8/21/2023						0.0097			
8/22/2023							0.0039 (J)		
8/23/2023	<0.005		<0.005		<0.005				
8/24/2023				<0.005					
Mean	0.0044	0.00728	0.003725	0.004362	0.004725	0.009163	0.004037	0.004554	0.0032
Std. Dev.	0.001265	0.002807	0.00176	0.001188	0.0007778	0.004153	0.001493	0.001442	0.001962
Upper Lim.	0.005	0.009785	0.005	0.005	0.005	0.01356	0.005	0.005	0.005
Lower Lim.	0.002	0.004775	0.0016	0.0022	0.0028	0.004761	0.0016	0.00015	0.0014

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22
6/6/2016	<0.001								
6/7/2016		<0.001		0.0002 (J)	8.5E-05 (J)				
6/8/2016						<0.001	8.5E-05 (J)	<0.001	0.00035 (J)
8/10/2016	7E-05 (J)								
8/11/2016				0.0002 (J)	8E-05 (J)				
8/12/2016		9E-05 (J)				6E-05 (J)	8E-05 (J)	<0.001	
8/18/2016									0.0005 (J)
10/4/2016	<0.001								
10/6/2016		<0.001							
10/7/2016				0.0002 (J)	<0.001	<0.001	<0.001		
10/10/2016								<0.001	0.0006 (J)
12/1/2016	<0.001								
12/5/2016		<0.001							
12/6/2016				0.0003 (J)	<0.001	<0.001			
12/7/2016							<0.001	<0.001	
12/8/2016									0.0005 (J)
2/14/2017	<0.001								
2/15/2017		<0.001							
2/16/2017				0.0003 (J)	<0.001	<0.001	<0.001		
2/17/2017								<0.001	0.0006 (J)
4/13/2017	0.0001 (J)								
4/18/2017		9E-05 (J)		0.0002 (J)					
4/19/2017					8E-05 (J)	<0.001	6E-05 (J)	<0.001	
4/20/2017									0.0006 (J)
5/25/2017	6E-05 (J)								
5/30/2017				0.0002 (J)	9E-05 (J)				
6/1/2017						<0.001	8E-05 (J)	<0.001	
6/2/2017		<0.001							
6/5/2017									0.0006 (J)
7/7/2017	7E-05 (J)								
7/13/2017		8E-05 (J)							
7/14/2017				0.0002 (J)	9E-05 (J)	<0.001	8E-05 (J)		
7/18/2017								<0.001	
7/19/2017									0.0007 (J)
3/27/2018				0.00019 (J)	<0.001	<0.001	<0.001		
3/28/2018		<0.001						<0.001	
3/29/2018									0.00063 (J)
6/12/2018				0.0002 (J)					
6/13/2018								<0.001	
6/14/2018		<0.001			<0.001	<0.001			0.00069 (J)
6/15/2018							<0.001		
10/16/2018	<0.001								
10/17/2018		<0.001			<0.001				
10/18/2018				0.0002 (J)		<0.001			
10/19/2018							<0.001		
10/22/2018								<0.001	0.00071 (J)
2/25/2019				0.00023 (J)					
2/27/2019					<0.001	<0.001		<0.001	
2/28/2019		<0.001							
3/1/2019							<0.001		0.00074 (J)
4/1/2019		<0.001							
4/2/2019	6.2E-05 (J)			0.0002 (J)	7.5E-05 (J)	<0.001			

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22
4/3/2019							<0.001	<0.001	0.0007 (J)
9/23/2019	6E-05 (J)								
9/25/2019		6E-05 (J)							
9/26/2019				0.00023 (J)	0.00026 (J)	7.1E-05 (J)	8E-05 (J)	<0.001	
9/27/2019									0.00088 (J)
2/18/2020	5.3E-05 (J)								
2/20/2020				0.00028 (J)					
2/24/2020		<0.001			5.9E-05 (J)	6.8E-05 (J)	<0.001	<0.001	
2/25/2020									0.00062 (J)
3/19/2020	6.1E-05 (J)	6.2E-05 (J)		0.00022 (J)	6.1E-05 (J)				
3/20/2020						<0.001	<0.001		0.00063 (J)
3/23/2020								0.0002 (J)	
5/22/2020			0.00016 (J)						
6/23/2020			0.00011 (J)						
7/28/2020			0.00026 (J)						
9/2/2020			0.00035 (J)						
9/23/2020	<0.001								
9/24/2020				0.00024 (J)	0.00018 (J)	<0.001			0.001
9/25/2020		<0.001							
9/28/2020							<0.001	<0.001	
10/1/2020			0.0005 (J)						
11/10/2020			0.00044 (J)						
12/15/2020			0.00044						
1/20/2021			0.00031 (J)						
2/18/2021	<0.001		0.00077 (J)	0.00023 (J)	<0.001	<0.001	<0.001	<0.001	
2/19/2021		<0.001							0.00089 (J)
3/24/2021		<0.001	0.00023 (J)	0.00019 (J)	<0.001	<0.001			
3/26/2021							<0.001		
3/29/2021								<0.001	0.0009 (J)
3/31/2021	0.00017 (J)								
8/16/2021	<0.001								
8/18/2021		<0.001	0.00039 (J)	0.00023 (J)					
8/19/2021					<0.001	<0.001			
8/20/2021							<0.001	0.00025 (J)	
8/23/2021									0.00088 (J)
2/9/2022	<0.001		0.00024 (J)						
2/11/2022		<0.001		0.00024 (J)	<0.001				
2/15/2022									0.0011
2/16/2022						<0.001	0.00021 (J)	<0.001	
7/26/2022	<0.001		0.00047 (J)						
7/27/2022		<0.001		0.00025 (J)	<0.001	<0.001	<0.001	<0.001	
8/2/2022									0.00098 (J)
1/25/2023	0.00022 (J)								
1/26/2023		<0.001	0.00048 (J)	0.00023 (J)	<0.001	0.00019 (J)			
1/27/2023							<0.001		
1/30/2023								<0.001	
2/7/2023									0.0008 (J)
8/15/2023	<0.001								
8/16/2023		<0.001	0.00059 (J)						
8/17/2023				0.00025 (J)	<0.001	<0.001			
8/18/2023							<0.001	<0.001	
8/22/2023									0.0013

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-22
Mean	0.0005679	0.0008076	0.0003827	0.0002254	0.0006275	0.0008495	0.0007365	0.0009354	0.0007458
Std. Dev.	0.0004659	0.0003832	0.0001731	3.243E-05	0.000452	0.0003444	0.0004203	0.0002189	0.0002136
Upper Lim.	0.001	0.001	0.0005	0.00024	0.001	0.001	0.001	0.001	0.0008548
Lower Lim.	6.2E-05	9E-05	0.0002654	0.0002	8.5E-05	0.00019	8.5E-05	0.00025	0.0006368

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval

Plant Bowen Data: Bowen AP-1

	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D
6/9/2016	0.0001 (J)	0.00022 (J)							
8/18/2016	<0.001	<0.001							
10/10/2016	<0.001	0.0003 (J)							
12/7/2016	<0.001	<0.001							
1/23/2017			0.0008 (J)						
2/7/2017			0.0008 (J)						
2/20/2017	<0.001	0.0003 (J)							
3/27/2017			0.0006 (J)						
4/17/2017			0.0007 (J)						
4/19/2017	<0.001	0.0004 (J)							
5/22/2017			0.0008 (J)						
6/5/2017	<0.001	0.0004 (J)	0.0007 (J)						
7/11/2017			0.0007 (J)						
7/17/2017	<0.001	0.0004 (J)							
8/23/2017			0.0007 (J)						
3/26/2018			0.00058 (J)						
3/29/2018	<0.001	0.00048 (J)							
6/13/2018	<0.001	0.00053 (J)							
6/15/2018			0.00056 (J)						
10/17/2018							0.00026 (J)		
10/19/2018					<0.001				
10/22/2018	<0.001	0.00047 (J)	0.00034 (J)	0.00014 (J)		<0.001			
3/1/2019	<0.001	0.0007 (J)	0.00024 (J)						
4/2/2019			0.00024 (J)				0.00022 (J)		
4/3/2019	<0.001	0.00064 (J)							
4/4/2019					<0.001	<0.001			
4/5/2019				0.00046 (J)					
9/24/2019					<0.001				
9/26/2019				0.00017 (J)		<0.001			
9/27/2019	0.00018 (J)		0.00014 (J)				0.00037 (J)		
9/30/2019		0.00069 (J)							
2/25/2020	0.00015 (J)					<0.001		<0.001	
2/26/2020		0.00073 (J)	8.5E-05 (J)				0.00013 (J)		
2/27/2020				0.00013 (J)	8.9E-05 (J)				0.0027
3/23/2020	0.00016 (J)		9.1E-05 (J)				0.00011 (J)		
3/24/2020				8.4E-05 (J)	<0.001			<0.001	5.6E-05 (J)
3/25/2020		0.00066 (J)				6.8E-05 (J)			
9/2/2020									0.00042 (J)
9/24/2020	0.00038 (J)								
9/25/2020		0.00057 (J)	<0.001	0.00014 (J)		<0.001		<0.001	
9/28/2020					<0.001		0.00019 (J)		
2/19/2021	0.00039 (J)	0.0005 (J)			<0.001				
2/22/2021						0.00016 (J)		<0.001	
2/23/2021				0.00015 (J)					
3/8/2021			<0.001				0.0002 (J)		
3/9/2021									<0.001
3/25/2021			<0.001				0.00019 (J)		
3/26/2021	0.00069 (J)	0.00057 (J)				<0.001		<0.001	
3/29/2021									0.00018 (J)
3/30/2021				0.00016 (J)	<0.001				
8/19/2021			0.00022 (J)						<0.001
8/20/2021						0.00026 (J)		<0.001	

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-23	BGWC-24	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D
8/23/2021	<0.001	0.00051 (J)					0.00024 (J)		
8/24/2021					<0.001				
8/25/2021				<0.001					
2/14/2022	<0.001		<0.001				0.00022 (J)		<0.001
2/15/2022		0.00045 (J)							
2/16/2022				<0.001	<0.001				
2/17/2022						<0.001		<0.001	
7/28/2022					<0.001	0.00022 (J)		<0.001	
7/29/2022				<0.001				0.00018 (J)	
8/1/2022	<0.001		<0.001						
8/2/2022		<0.001							<0.001
10/21/2022		0.00032 (J)							
1/30/2023					<0.001	<0.001		<0.001	
1/31/2023				<0.001					
2/1/2023		0.00035 (J)	<0.001				<0.001		
2/2/2023	0.00027 (J)								
2/7/2023									<0.001
8/18/2023				<0.001	<0.001				
8/21/2023			<0.001				<0.001		<0.001
8/23/2023	<0.001								
8/24/2023						<0.001		0.00048 (J)	
8/25/2023		0.00028 (J)							
Mean	0.0007633	0.0004788	0.0006373	0.0004949	0.0009299	0.0007468	0.0003315	0.000948	0.0009356
Std. Dev.	0.0003582	0.0001398	0.0003268	0.000425	0.0002527	0.0003976	0.0003033	0.0001644	0.0007264
Upper Lim.	0.001	0.0005485	0.001	0.001	0.001	0.001	0.00037	0.001	0.001
Lower Lim.	0.00038	0.0004091	0.00034	0.00013	8.9E-05	0.00016	0.00013	0.001	0.00018

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
Plant Bowen Data: Bowen AP-1

	BGWC-39	BGWC-40	BGWC-43D	BGWC-51	BGWC-52	BGWC-7	BGWC-9
6/6/2016							<0.001
6/8/2016						<0.001	
8/11/2016						<0.001	<0.001
10/5/2016							<0.001
10/6/2016						<0.001	
12/5/2016							<0.001
12/6/2016						<0.001	
2/15/2017						<0.001	<0.001
4/17/2017							<0.001
4/18/2017						<0.001	
5/26/2017							<0.001
6/2/2017						<0.001	
7/11/2017							<0.001
7/14/2017						<0.001	
3/27/2018						<0.001	<0.001
6/12/2018							<0.001
6/13/2018						<0.001	
10/17/2018							<0.001
10/18/2018						<0.001	
2/28/2019						<0.001	
4/1/2019							6.5E-05 (J)
4/2/2019						7E-05 (J)	
9/24/2019						8.7E-05 (J)	<0.001
2/20/2020							0.00022 (J)
2/21/2020						9.6E-05 (J)	
2/27/2020	0.00017 (J)						
2/28/2020		<0.001					
3/19/2020						0.00011 (J)	0.00018 (J)
3/24/2020	0.00013 (J)						
3/25/2020		0.00014 (J)					
9/3/2020			0.0024				
9/24/2020							<0.001
9/25/2020						<0.001	
9/29/2020	0.00025 (J)	<0.001					
1/28/2021				0.0002 (J)	0.00045 (J)		
2/17/2021							<0.001
2/18/2021						<0.001	
2/22/2021	0.00021 (J)	<0.001					
2/23/2021				<0.001	0.00023 (J)		
3/8/2021			0.0015				
3/24/2021							<0.001
3/29/2021			0.0016				
3/30/2021		<0.001		0.0004 (J)	0.00024 (J)	0.00015 (J)	
3/31/2021	0.00017 (J)						
8/18/2021							<0.001
8/19/2021						0.00023 (J)	
8/23/2021			0.0028	<0.001	0.00037 (J)		
8/24/2021	0.00027 (J)	<0.001					
2/10/2022							<0.001
2/11/2022						0.0003 (J)	
2/14/2022				<0.001	<0.001		
2/15/2022			0.0034				

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 11/1/2023 11:13 AM View: Confidence Interval
 Plant Bowen Data: Bowen AP-1

	BGWC-39	BGWC-40	BGWC-43D	BGWC-51	BGWC-52	BGWC-7	BGWC-9
2/16/2022	<0.001	<0.001					
7/26/2022							<0.001
7/28/2022		<0.001			<0.001	0.00029 (J)	
8/1/2022			0.0028	<0.001			
8/2/2022	<0.001						
1/26/2023						0.00019 (J)	0.00018 (J)
1/31/2023		<0.001		<0.001	0.0002 (J)		
2/2/2023	<0.001						
2/7/2023			0.0011				
8/17/2023						0.00074 (J)	0.0002 (J)
8/18/2023		<0.001					
8/21/2023				<0.001			
8/22/2023					<0.001		
8/23/2023	<0.001		0.0021				
Mean	0.00052	0.000914	0.002213	0.000825	0.0005613	0.0006776	0.0008193
Std. Dev.	0.000415	0.000272	0.0007809	0.0003284	0.0003722	0.000409	0.0003514
Upper Lim.	0.001	0.001	0.00304	0.001	0.001	0.001	0.001
Lower Lim.	0.00017	0.001	0.001385	0.0002	0.0002	0.00019	0.00022

FIGURE I.

Appendix IV Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/30/2023, 3:04 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	BGWC-22	0.003812	247	96	Yes	27	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-33 (bg)	-0.004019	-49	-34	Yes	13	0	n/a	n/a	0.05	NP

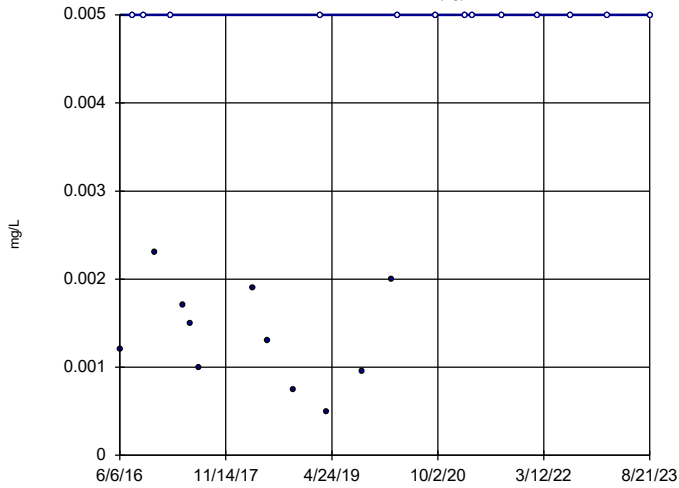
Appendix IV Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 10/30/2023, 3:04 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Arsenic (mg/L)	BGWA-2 (bg)	0	64	81	No	24	54.17	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	36	81	No	24	62.5	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-33 (bg)	0.000751	25	30	No	12	16.67	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	18	41	No	15	73.33	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWA-48D (bg)	0.0004358	26	41	No	15	46.67	n/a	n/a	0.05	NP
Arsenic (mg/L)	BGWC-34D	0	-5	-41	No	15	0	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	17	85	No	25	88	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	81	No	24	100	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-33 (bg)	0	-6	-30	No	12	75	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	12	41	No	15	93.33	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	15	41	No	15	86.67	n/a	n/a	0.05	NP
Cobalt (mg/L)	BGWC-22	0.003812	247	96	Yes	27	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-2 (bg)	0	46	85	No	25	52	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	-1	-81	No	24	95.83	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-33 (bg)	-0.004019	-49	-34	Yes	13	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	14	41	No	15	93.33	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.001014	-29	-41	No	15	0	n/a	n/a	0.05	NP
Molybdenum (mg/L)	BGWC-43D	0.006134	5	27	No	11	0	n/a	n/a	0.05	NP

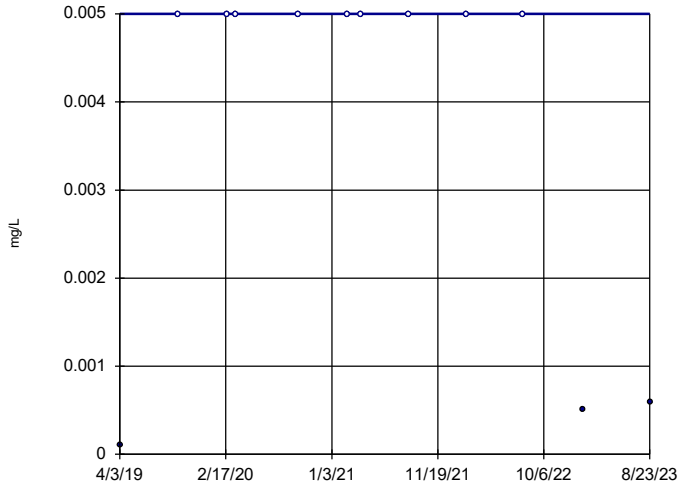
Sen's Slope Estimator

BGWA-2 (bg)



Sen's Slope Estimator

BGWA-33 (bg)

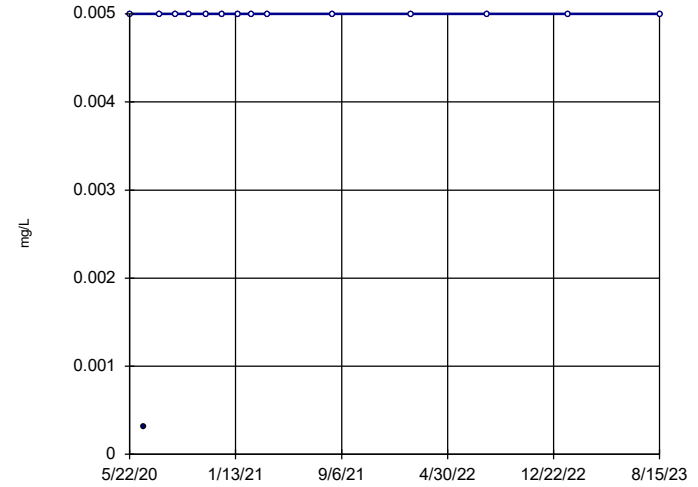


n = 12
Slope = 0
units per year.
Mann-Kendall
statistic = -6
critical = -30
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Cobalt Analysis Run 10/30/2023 3:03 PM View: Appendix IV Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

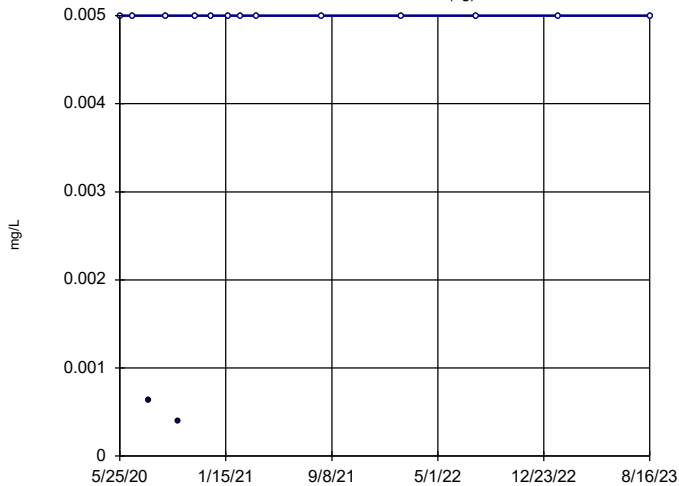


n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = 12
critical = 41
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Cobalt Analysis Run 10/30/2023 3:03 PM View: Appendix IV Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

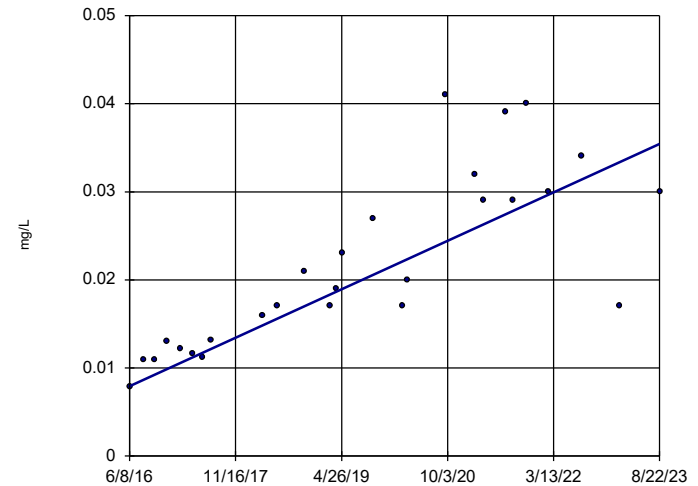


n = 15
Slope = 0
units per year.
Mann-Kendall
statistic = 15
critical = 41
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Cobalt Analysis Run 10/30/2023 3:03 PM View: Appendix IV Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

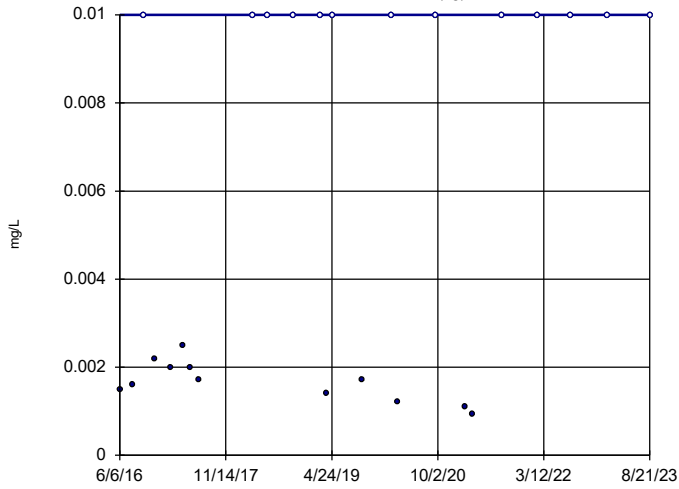


n = 27
Slope = 0.003812
units per year.
Mann-Kendall
statistic = 247
critical = 96
Increasing trend
significant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Cobalt Analysis Run 10/30/2023 3:03 PM View: Appendix IV Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-2 (bg)

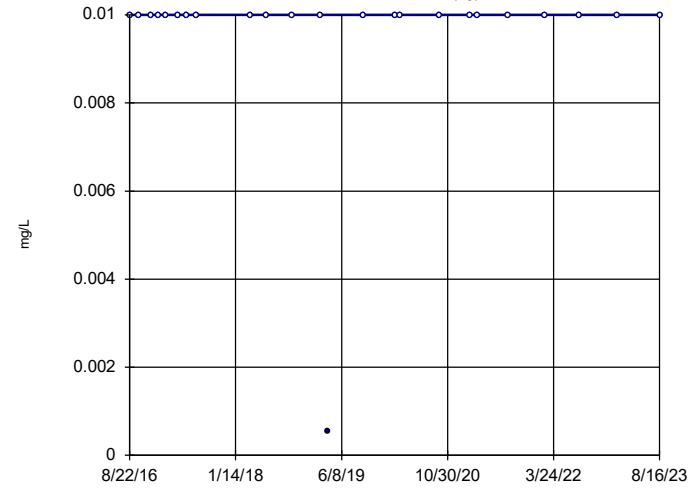


n = 25
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 46
 critical = 85
 Trend not sig-
 nificant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Molybdenum Analysis Run 10/30/2023 3:03 PM View: Appendix IV Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-29 (bg)

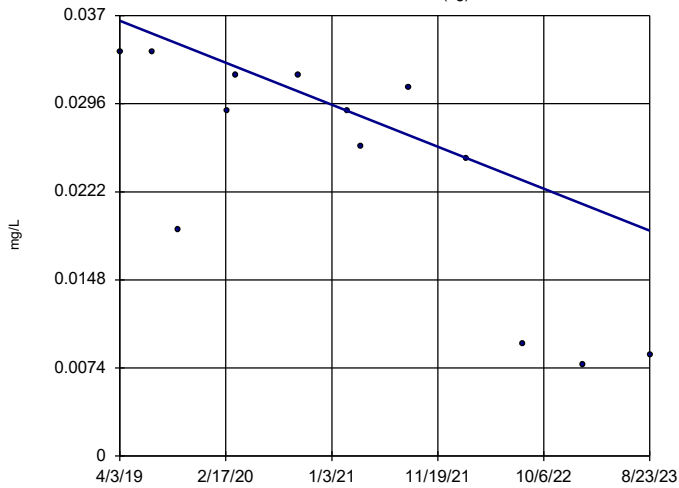


n = 24
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = -1
 critical = -81
 Trend not sig-
 nificant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Molybdenum Analysis Run 10/30/2023 3:03 PM View: Appendix IV Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-33 (bg)

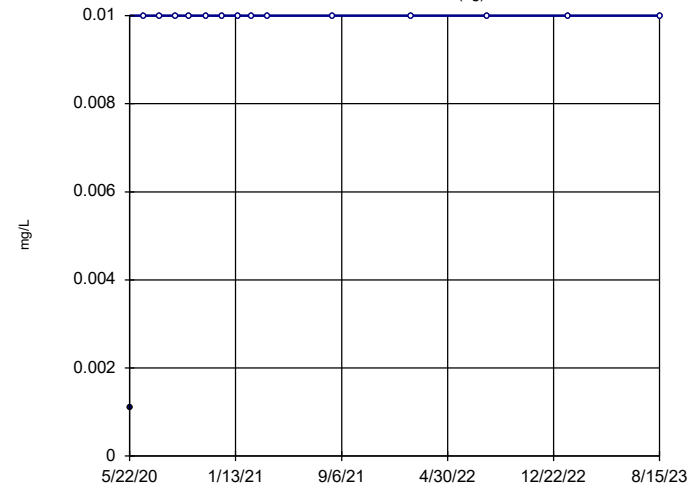


n = 13
 Slope = -0.004019
 units per year.
 Mann-Kendall
 statistic = -49
 critical = -34
 Decreasing trend
 significant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Molybdenum Analysis Run 10/30/2023 3:03 PM View: Appendix IV Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

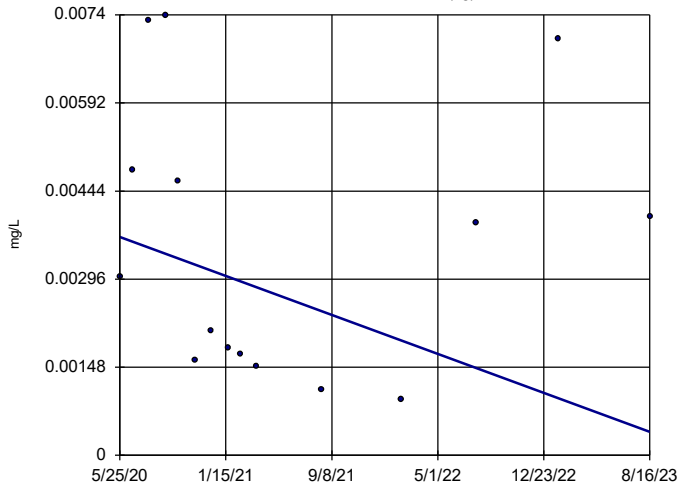


n = 15
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 14
 critical = 41
 Trend not sig-
 nificant at 95%
 confidence level
 ($\alpha = 0.025$ per
 tail).

Constituent: Molybdenum Analysis Run 10/30/2023 3:03 PM View: Appendix IV Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

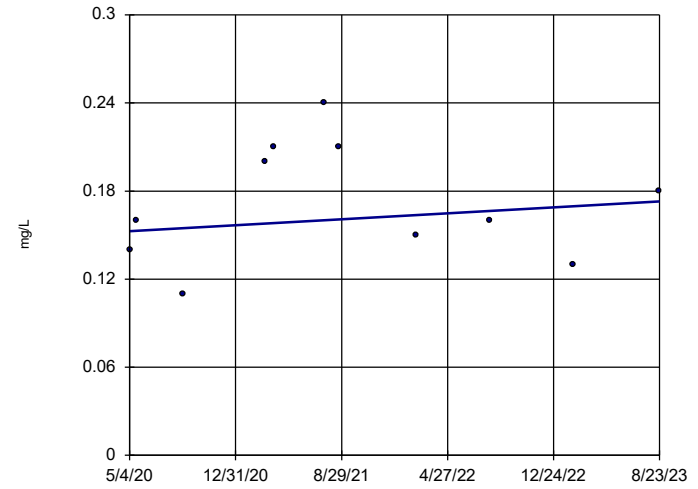


n = 15
Slope = -0.001014
units per year.
Mann-Kendall
statistic = -29
critical = -41
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Molybdenum Analysis Run 10/30/2023 3:03 PM View: Appendix IV Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-43D



n = 11
Slope = 0.006134
units per year.
Mann-Kendall
statistic = 5
critical = 27
Trend not sig-
nificant at 95%
confidence level
($\alpha = 0.025$ per
tail).

Constituent: Molybdenum Analysis Run 10/30/2023 3:03 PM View: Appendix IV Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

APPENDIX E

Alternate Source Demonstration



Prepared for

Georgia Power Company
241 Ralph McGill Blvd NE
Atlanta, Georgia 30308

**ALTERNATE SOURCE
DEMONSTRATION - ARSENIC
PLANT BOWEN – ASH POND 1 (AP-1)**

Prepared by

Geosyntec 
consultants

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200
Kennesaw, Georgia 30144

Project Number GW6581F

May 2023



ALTERNATE SOURCE DEMONSTRATION – ARSENIC

Plant Bowen
Ash Pond 1 (AP-1)

May 1, 2023

A handwritten signature in blue ink that reads "Martin Crook".

Martin Crook, P.G.
Senior Geologist

A handwritten signature in blue ink that reads "Whitney Law".

Whitney Law, P.E.
Project Manager

Certification Statement

**Alternate Source Demonstration - Arsenic
Plant Bowen
Ash Pond 1
May 1, 2023**

This *Alternate Source Demonstration – Arsenic, Plant Bowen Ash Pond 1 (AP-1)* has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations 257 Subpart D], specifically 257.95(g)(3)(ii), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10(6), by a qualified groundwater scientist or engineer with Geosyntec Consultants. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management, and 40 CFR Part 258.50(g).



Seal and Signature

May 1, 2023

Date

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LIST OF ACRONYMS

ACM	assessment of corrective measures
AP	ash pond
As	arsenic
ASD	alternate source demonstration
CCR	Coal Combustion Residual
CFR	Code of Federal Regulations
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
GWPS	groundwater protection standard
LCL	lower confidence limit
mg/L	milligrams per liter
Mo	molybdenum
NOI	Notice of Intent
PE	professional engineer
PG	professional geologist
SSL	statistically significant level
USEPA	United States Environmental Protection Agency

1. INTRODUCTION

1.1 Purpose

This document presents an alternate source demonstration (ASD) for the statistically significant level (SSL) of arsenic (As) above the groundwater protection standard (GWPS) of 0.010 milligrams per liter (mg/L) detected in vertical assessment well BGWC-37D located at the Georgia Power Company (Georgia Power) Plant Bowen (Site) Ash Pond 1 (AP-1). An SSL of As above the GWPS was first identified at BGWC-37D following statistical evaluation of available groundwater data after the July/August 2022 assessment monitoring event; the evaluation was presented in the *Annual Groundwater Monitoring and Corrective Action Report* and submitted to the Georgia Environmental Protection Division (GA EPD) on January 31, 2023 (Geosyntec, 2023).

This ASD has been prepared pursuant to regulations in Title 40 Code of Federal Regulations (CFR) Part 257 Subpart D [the Federal Coal Combustion Residuals (CCR) Rule], specifically § 257.95(g)(3)(ii), which allows the owner or operator to “demonstrate that a source other than the CCR unit caused the contamination, or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality.” Moreover, this ASD also serves as an ASD under the Georgia regulations per Rule 391-3-4-.10(6) of the Georgia Administrative Code, which incorporates § 257.95(g)(3)(ii) by reference.

1.2 Summary of ASD

Based on review of Site information, the SSL of As identified in well BGWC-37D is not associated with a release from AP-1 but is instead caused by an error in statistical evaluation associated with the inappropriate application of non-parametric confidence limits. This ASD provides the following lines of evidence in support of this conclusion:

- The initial non-parametric confidence limit identified the SSL for As at BGWC-37D following the July/August 2022 groundwater monitoring event. However, in accordance with the United States Environmental Protection Agency (USEPA) *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009), preparation of non-parametric confidence intervals is only necessary when parametric methods are not applicable. A parametric confidence interval was subsequently determined to be the appropriate

statistical approach for evaluating As concentrations in BGWC-37D. Application of the appropriate confidence interval indicates that the lower confidence limit (LCL) is below the GWPS. Therefore, an SSL for As should not have been identified.

- The As groundwater concentrations in BGWC-37D have been decreasing since sampling began in February 2020, and a decreasing concentration trend that is statistically significant at the 99% confidence level has been identified. The most current As concentration, reported for the January/February 2023 assessment monitoring event, is below the established GWPS. This statistically significant decreasing trend is not indicative of a release from AP-1.

1.3 Site Description

Plant Bowen is a four-unit, coal-fired, electric-generating facility that commenced operations in the 1970s. The plant is located nine miles southwest of Cartersville in Bartow County, Georgia. The plant is bordered by the Etowah River to the north and east, and sparsely populated, forested, rural and industrial land on the south and west (**Figure 1**).

AP-1 at the Site occupies an area of approximately 254 acres. In preparation for AP-1 closure, the plant completed the conversion to dry ash handling in early 2019, and AP-1 no longer receives ash. Georgia Power submitted to GA EPD a notice of intent (NOI) stating that waste stream flows are no longer directed to AP-1, effective December 31, 2020. Georgia Power will close AP-1 by excavation and consolidation of CCR material into an approximately 90-acre lined, multi-cell storage facility situated within the current footprint of AP-1. Closure activities will be conducted in accordance with § 257.102 and corresponding Rule 391-3-4-.10(7)(b). The proposed closure approach provides a source control measure that reduces the potential for migration of CCR constituents to groundwater. Details of the closure approach have been summarized in the Amended Written Closure Plan and published in 2018 to Georgia Power's CCR Rule Compliance website. On February 17, 2022, GA EPD issued a CCR Permit (008-021D(CCR)) for the closure of Plant Bowen AP-1.

1.4 Groundwater Monitoring and Basis of Statistically Significant Levels

Georgia Power initiated an assessment of corrective measures (ACM) program at AP-1 in June 2019. BGWC-37D, shown on **Figure 2**, was installed as a vertical assessment well for detection well BGWC-22 and was sampled for the constituents listed in Appendix III and Appendix IV as part of the ACM activities.

Statistical analysis of the July/August 2022 assessment monitoring groundwater data identified an SSL of As in BGWC-37D in excess of the GWPS. Details of the analysis and supporting data are presented in the *2022 Annual Groundwater Monitoring and Corrective Action Report* (Geosyntec, 2023). However, the SSL was incorrectly identified due to an error in statistical evaluation as described in this ASD.

2. ALTERNATE SOURCE DEMONSTRATION

Based on review of Site information, the SSL of As identified in well BGWC-37D is not associated with a release from AP-1 but instead was initially identified due to an error in statistical evaluation (i.e., the inappropriate use of non-parametric confidence interval). This report provides the following information supporting this conclusion.

2.1 Corrected Arsenic Confidence Interval Below the GWPS

In accordance with the USEPA Unified Guidance, when calculating confidence intervals, if the required transformations to fit the data to a transformed normal distribution result in the LCLs being a negative number, non-parametric confidence intervals are computed, which are bound by reported high and low measurements within a given well. During calculation of the confidence intervals following the July/August 2022 assessment monitoring event, all the confidence intervals were inadvertently constructed as non-parametric, rather than on a case-by-case basis. In the case of BGWC-37D, the parametric LCL was greater than zero, therefore the parametric LCL should have been compared to the GWPS; and found to be below the GWPS. Therefore, the SSL for As should not have been identified.

A semiannual assessment monitoring event was also completed in January/February 2023. Arsenic concentrations were statistically compared to the GWPS using a confidence interval constructed using the most recent monitoring data for BGWC-37D. The confidence interval constructed using the most current groundwater dataset, including the January/February 2023 assessment monitoring event does not identify an SSL of As in BGWC-37D.

Confidence intervals were developed by Groundwater Stats Consulting, LLC (GSC) in accordance with the USEPA Unified Guidance. The GSC-provided revised reports for the July/August 2022 monitoring event are included in **Appendix A**.

2.2 Presence of a Statistically Significant Decreasing Arsenic Trend

A time series plot for As in BGWC-37D is included as **Figure 3**. As shown on **Figure 3**, the As groundwater concentrations in BGWC-37D have been decreasing since sampling for As began in February 2020, with the most recent datum from the January/February 2023 assessment monitoring event being the lowest reported As concentration to date

(i.e., 0.0074 mg/L) and below the GWPS (0.010 mg/L). The Sanitas[™] groundwater statistical software was used to evaluate the presence of a time-trend for As in BGWC-37D using Sen's method and the statistical significance of the trend was evaluated using a Mann Kendall test. Results are presented in **Appendix B**. Results of the evaluation indicate a decreasing concentration trend that is statistically significant at the 99% confidence level. Based on the presence of a statistically significant trend, it is unlikely an SSL of As would be identified in BGWC-37D.

Sanitas[™] is a decision-support software package that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations and guidance as recommended in the USEPA Unified Guidance.

3. CONCLUSIONS

The following lines of evidence support the conclusion that the SSL of As identified in BGWC-37D is attributed to an error in statistical evaluation and is not due to a release from AP-1:

- Corrected Arsenic Confidence Interval Below the GWPS

The initial non-parametric confidence interval identified the SSL for As at BGWC-37D following the July/August 2022 groundwater monitoring event. However, application of non-parametric confidence intervals was inappropriate. Application of the appropriate parametric confidence interval indicates the LCL is below the GWPS. Therefore, the identification of an SSL for As was incorrect, and was not due to a release from AP-1.

More recent monitoring data have been collected since the initial SSL was identified. The confidence interval constructed using the most current groundwater data set, including the January/February 2023 assessment monitoring event, also does not identify an SSL of As in BGWC-37D.

- Presence of a Statistically Significant Decreasing Arsenic Trend:

A statistically significant decreasing trend in As concentration is present at the 99% confidence level for BGWC-37D, which is also not indicative of a release from AP-1.

BGWC-37D will continue to be sampled as part of the ongoing assessment monitoring program at AP-1.

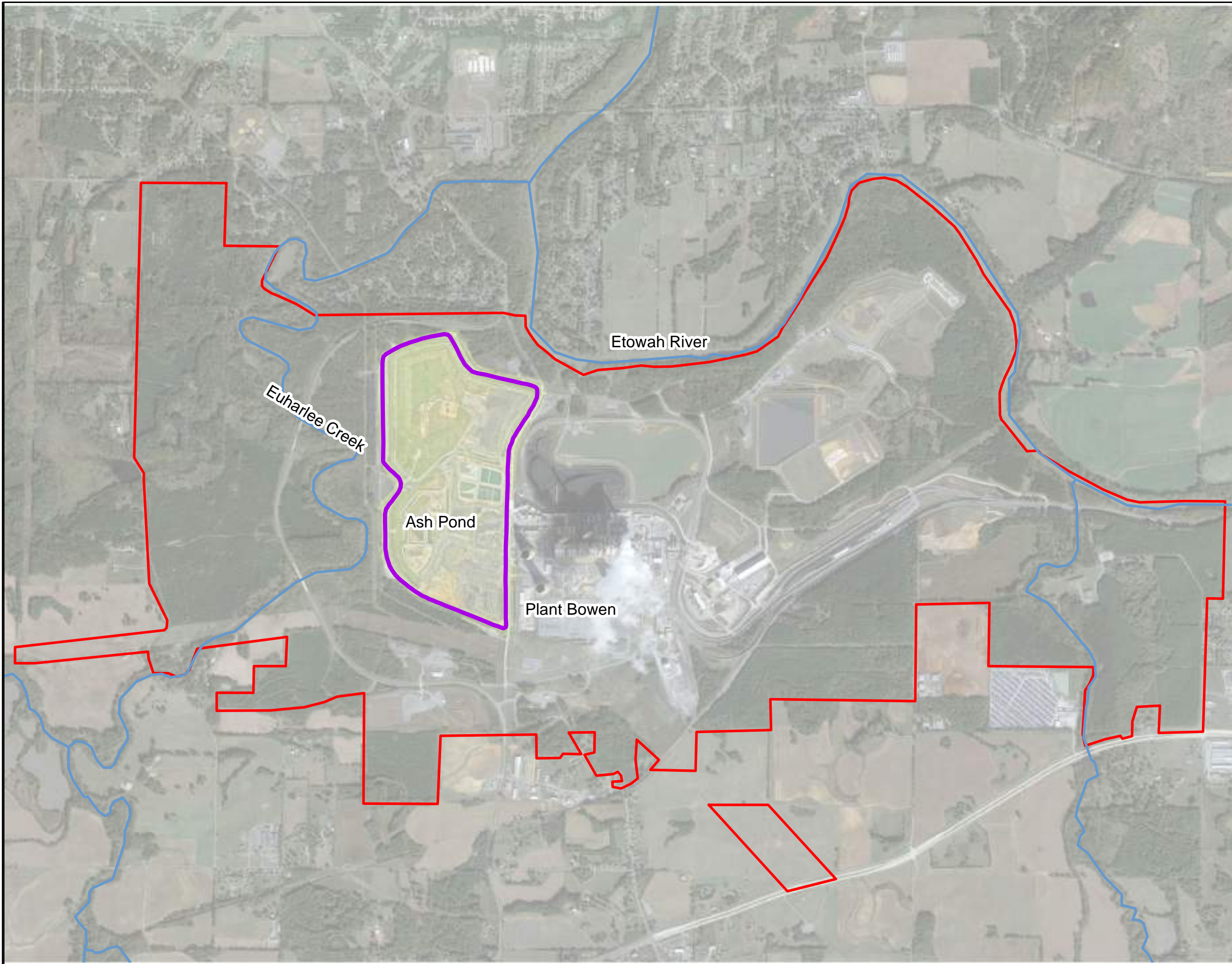
4. REFERENCES

Geosyntec Consultants (2023). *2022 Annual Groundwater Monitoring and Corrective Action Report, Georgia Power Company, Plant Bowen, Ash Pond 1 (AP-1)*. January 2023.

Sanitas: Groundwater Statistical Software, v. 9.6.26, 2018. Sanitas Technologies[®], Boulder, Colorado.

USEPA (2009). *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance*. Office of Resource Conservation and Recovery – Program Implementation and Information Division. March 2009.

FIGURES

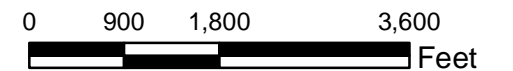


LEGEND

- Approximate Site Boundary
- Approximate AP-1 Boundary
- River or Stream



Note:
 1. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, September 2022.



SITE LOCATION MAP

GEORGIA POWER COMPANY
 PLANT BOWEN AP-1
 BARTOW COUNTY, GEORGIA

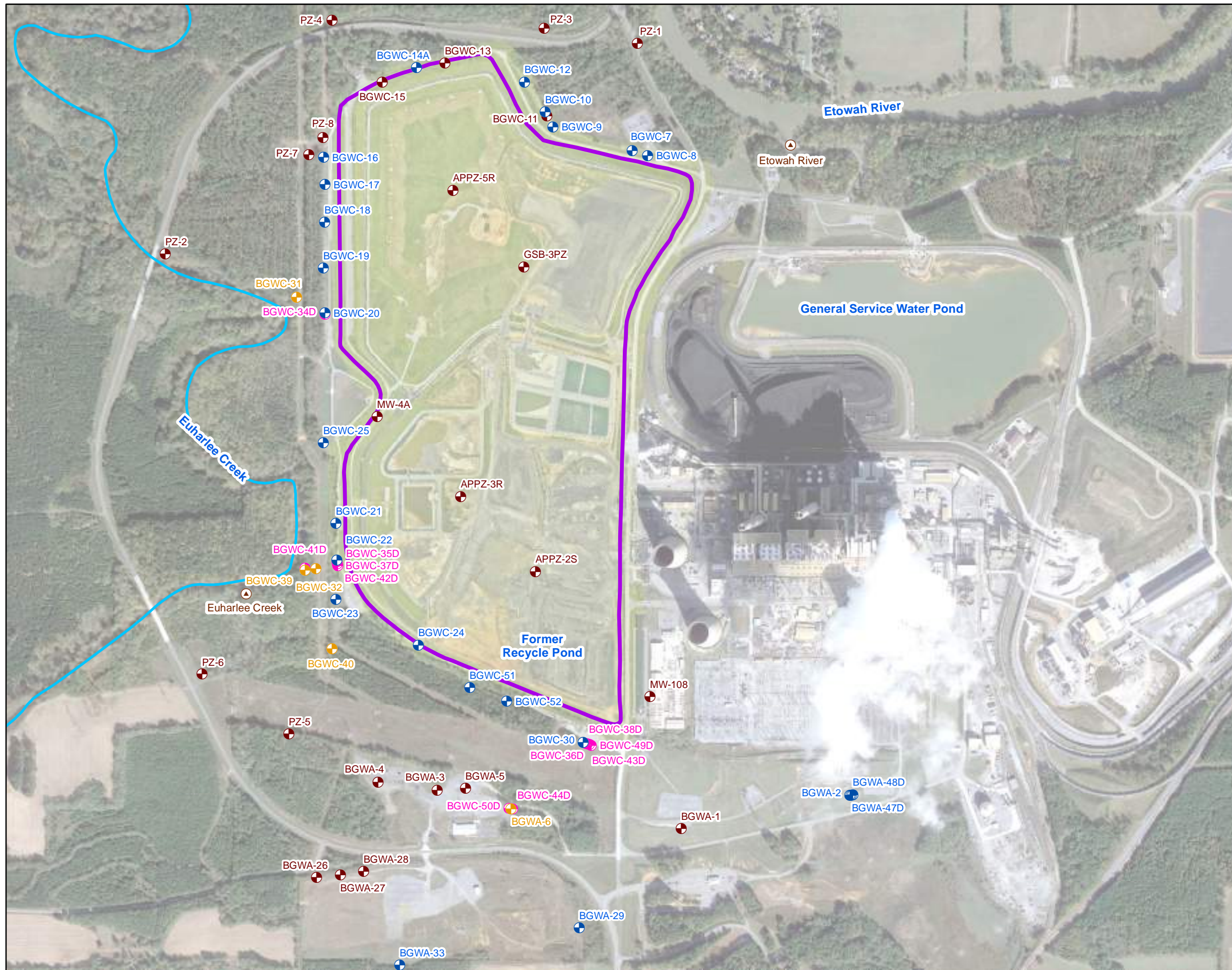
Prepared For: Georgia Power

Prepared By: Geosyntec
 consultants

**FIGURE
1**

KENNESAW, GA

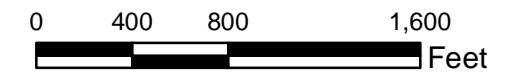
MAY 2023



LEGEND

- + Detection Monitoring Well
- + Horizontal Assessment Monitoring Well
- + Vertical Assessment Monitoring Well
- + Piezometer
- + Surface Water Transducer
- Euharlee Creek
- Approximate AP-1 Boundary

Notes:
 1. All wells and piezometers presented are screened within the weathered fractured bedrock.
 2. Aerial photograph source: Google Earth Pro, November 2019 and Georgia Power Company, September 2022.



MONITORING WELL NETWORK MAP

GEORGIA POWER COMPANY
 PLANT BOWEN AP-1
 BARTOW COUNTY, GEORGIA

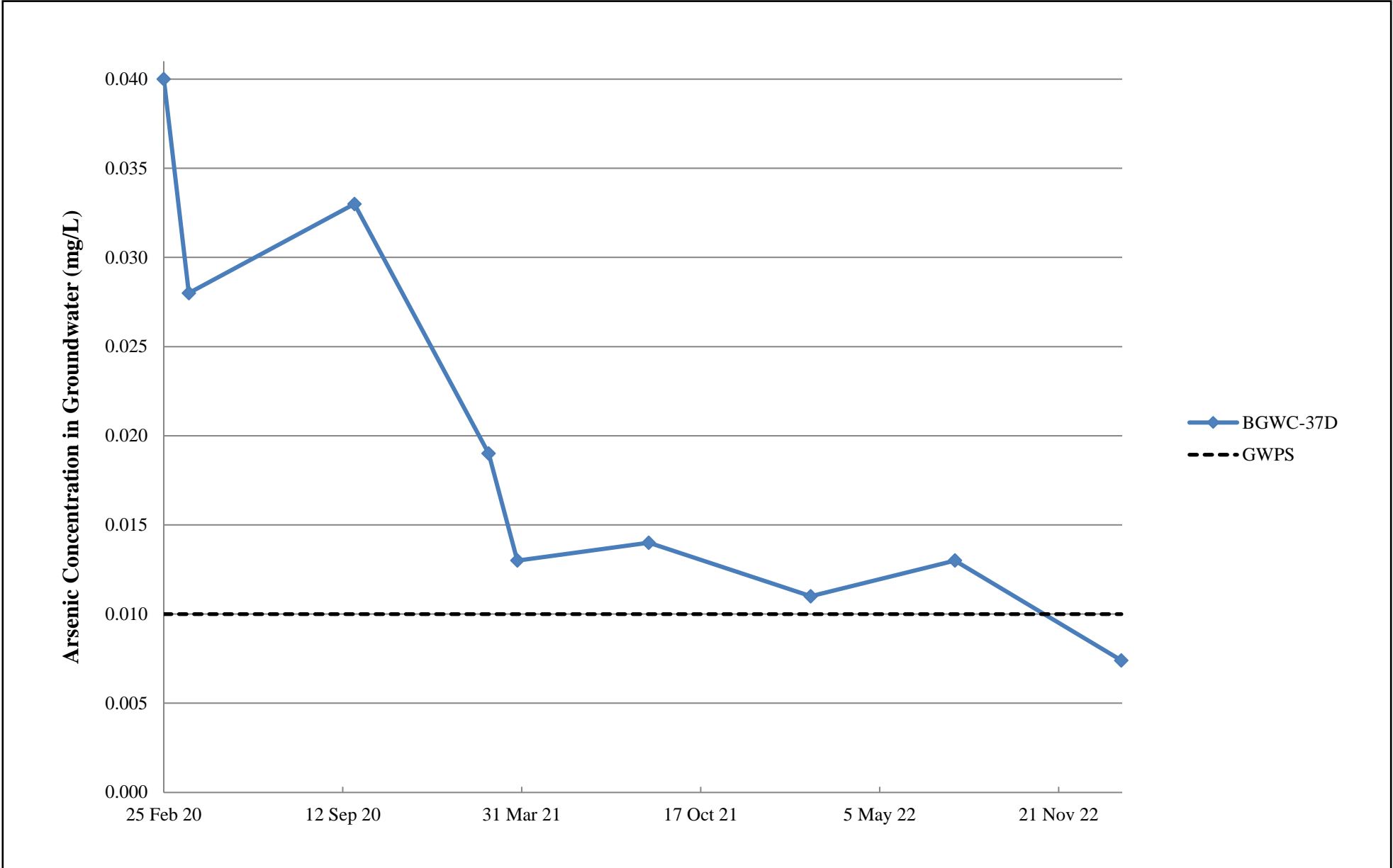
Prepared For: Georgia Power

Prepared By: Geosyntec consultants



KENNESAW, GA

MAY 2023

FIGURE
2



Note:
 1. The Groundwater Protection Standard (GWPS) for arsenic is 0.010 mg/L.

TIME SERIES PLOT FOR AS IN BGWC-37D	
GEORGIA POWER COMPANY PLANT BOWEN AP-1 BARTOW COUNTY, GEORGIA	
Prepared For:	Prepared By:
 Georgia Power	 Geosyntec consultants
KENNESAW, GA	MAY 2023
FIGURE	
3	

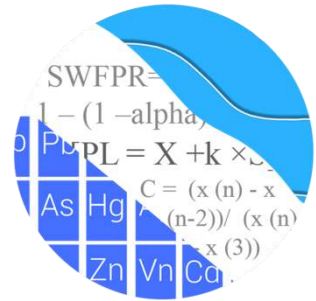
APPENDIX A

Updated Statistical Evaluation

GROUNDWATER STATS CONSULTING

April 18, 2023

Southern Company Services
Attn: Ms. Kristen Jurinko
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308



Re: Plant Bowen Ash Pond 1 (AP-1)
July/August 2022 Sample Event

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater data for the Groundwater Detection and Assessment Monitoring Semi-Annual July/August 2022 sample event for Georgia Power Company's Plant Bowen AP-1. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling for the Appendix III and IV parameters began in 2016, and at least 8 background samples were collected at each of the groundwater monitoring wells with exceptions noted below. All wells were sampled most recently in July/August 2022, except for well BGWC-24, which includes resamples collected in October 2022 as described below. Sampling is conducted on a semi-annual basis for all constituents. A list of all parameters is provided below.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient well:** BGWA-2, BGWA-29, BGWA-33, BGWA-47D, and BGWA-48D

- **Downgradient wells:** BGWC-7, BGWC-8, BGWC-9, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20, BGWC-21, BGWC-22, BGWC-23, BGWC-24, BGWC-25, BGWC-30, BGWC-51, and BGWC-52
- **Assessment wells:** BGWA-6, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-36D, BGWC-37D, BGWC-38D, BGWC-39, BGWC-40, BGWC-41D, BGWC-42D, BGWC-43D, BGWC-44D, BGWC-49D, and BGWC-50D

Sampling for upgradient well BGWA-33 began in April 2019 and for upgradient wells BGWA-47D and BGWA-48D in May 2020. Data from these wells are pooled with upgradient wells for construction of interwell statistical limits. Downgradient wells BGWC-51 and BGWC-52 were first sampled in January 2021 and currently have a maximum of 6 samples; therefore, these wells are evaluated with confidence intervals for Appendix IV constituents, which require a minimum of 4 samples. Data at these wells will be evaluated for the Appendix III constituents when a minimum of 8 background samples have been collected.

Sampling for assessment wells started at various dates ranging from June 2016 to March 2021 as listed below:

- June 2016 - BGWA-6
- October 2018 - BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, and BGWC-36D
- May 2019 - BGWC-37D and BGWC-38D
- December 2019 - BGWC-39 and BGWC-40
- May 2020 - BGWC-41D, BGWC-42D, BGWC-43D, and BGWC-44D
- March 2021 – BGWC-49D and BGWC-50D

Data from assessment wells are analyzed using confidence intervals for Appendix IV constituents when a minimum of 4 samples are available as mentioned above. Currently assessment wells BGWC-49D and BGWC-50D have the required minimum and, therefore, are evaluated using confidence intervals. Data from all assessment wells are plotted on the time series graphs and box plots.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Andrew Collins, Project Manager for Groundwater Stats Consulting.

The CCR program consists of the following constituents listed below. The terms “constituent” and “parameter” are interchangeable.

- **Appendix III** (Detection Monitoring) - boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Appendix IV** (Assessment Monitoring) – antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, combined radium 226 + 228, fluoride, lead, lithium, mercury, molybdenum, selenium, and thallium

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix IV downgradient and assessment well/constituent pairs with 100% non-detects follows this letter. For all constituents, a substitution of the most recent reporting limit is used for non-detect data which generally gives the most conservative limit in each case. In the time series plots, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

While upgradient well BGWA-33 was not sampled for combined radium 226 + 228 during the July/August 2022 sample event, historical data are included with pooled upgradient well data for the construction of interwell tolerance limits. Additionally, spurious values were noted for well BGWC-24 during the July/August 2022; therefore, resamples for all constituents at this well, with the exception of combined radium 226 + 228, were collected in October 2022. Any values from the July/August 2022 sample event that were uncharacteristic of existing concentrations at well BGWC-24 were flagged as outliers.

Time series plots for Appendix III and IV parameters at all wells are provided for the purpose of screening data at these wells (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Based on the previous screening, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the 2017 screening to demonstrate that the selected statistical methods for Appendix III parameters comply with the USEPA Unified Guidance. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations.

The original background screening was conducted in 2017 by MacStat Consulting. Values identified as outliers were flagged in the database and excluded prior to construction of statistical limits. Interwell prediction limits, combined with a 1-of-2 resample plan, were recommended.

Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells would not be conservative from a regulatory perspective; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. While data were further tested for intrawell eligibility during the screening, interwell methods are used for all Appendix III constituents in accordance with Georgia EPD requirements.

Summary of Statistical Methods – Appendix III and IV Parameters

Based on the evaluation for state and federal regulatory requirements, the following methods were selected for Appendix III and IV constituents:

- Appendix III: Interwell prediction limits, combined with a 1-of-2 resample plan, for each Appendix III constituent
- Appendix IV: Confidence intervals on downgradient well data compared against Groundwater Protection Standards (GWPS) for each Appendix IV constituent

The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. Parametric prediction limits (or tolerance limits or confidence intervals as applicable) are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric prediction limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The following approaches are used for handling non-detects (USEPA, 2009):

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).

- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. While this was not required for this report, in some cases, deselecting the earlier portion of data may be necessary prior to construction of limits so that resulting statistical limits are conservative (lower) from a regulatory perspective and capable of rapidly detecting changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Statistical Analysis of Appendix III Parameters – July/August 2022

All Appendix III parameters were analyzed using interwell prediction limits. Background (upgradient) well data were re-assessed for potential outliers during this analysis. No new Appendix III values were flagged as an outlier in the database for Appendix III parameters. Values in background which were previously flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Interwell Prediction Limits

Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through July/August 2022 (Figure D). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The July/August 2022 sample from each downgradient well is compared to the background limit to determine whether initial exceedances are present.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase is identified and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If the resample falls within the statistical limit, the initial exceedance is considered to be a false positive result. Therefore, no exceedance is noted and no further action is necessary. If no resample is collected, the original result is considered a confirmed exceedance. Several prediction limit exceedances were noted for Appendix III parameters and a summary table of the interwell prediction limits follows this letter.

Trend Test Evaluation – Appendix III

When prediction limit exceedances are identified in downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level to determine whether concentrations are statistically increasing, decreasing, or stable (Figure E). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Upgradient trends are an indication of natural variability in groundwater unrelated to practices at the site. A summary along with complete graphical results of the trend tests follows this report. Statistically significant trends were noted for the following well/constituent pairs:

Increasing

- Boron: BGWC-12, BGWC-22, BGWC-23, and BGWC-25
- Calcium: BGWA-2 (upgradient), BGWC-12, BGWC-16, BGWC-20, BGWC-22, and BGWC-23
- Chloride: BGWC-10, BGWC-22, and BGWC-23
- Sulfate: BGWA-2 (upgradient), BGWC-12, BGWC-16, and BGWA-47D (upgradient)
- TDS: BGWC-12, BGWC-22, and BGWC-23

Decreasing

- Boron: BGWC-7, BGWC-9, BGWC-18, and BGWC-30
- Chloride: BGWC-9, BGWC-12, BGWC-16, BGWA-29 (upgradient), BGWC-24, and BGWC-30
- pH: BGWC-16, BGWC-24, and BGWA-47D (upgradient)
- Sulfate: BGWC-7, BGWC-9, and BGWC-19
- TDS: BGWC-7 and BGWC-30

Statistical Analysis of Appendix IV Parameters – July/August 2022

For Appendix IV parameters, confidence intervals for each downgradient well/constituent were compared against corresponding Groundwater Protection Standards (GWPS). GWPS were developed as described below. Well/constituent pairs that have 100% non-detects or only trace values below the reporting limits do not require analysis. Data from upgradient wells for Appendix IV parameters are reassessed for outliers during each analysis.

During the previous analysis, a high reporting limit 0.15 mg/L for lithium at wells BGWC-32, BGWC-37D, BGWC-40, and BGWC-42D was flagged in order to maintain statistical limits that are conservative (i.e., lower) from a regulatory perspective. A high reported value of 0.015 mg/L during the July/August 2022 sample event for antimony at downgradient well BGWC-24 was flagged as an outlier. All resamples collected during October 2022 at this well were included in the confidence intervals as discussed earlier. A summary of flagged outliers follows this report (Figure C).

Interwell Upper Tolerance Limits

First, interwell tolerance limits were used to calculate site-specific background limits from all available pooled upgradient well data through August 2022 for Appendix IV constituents (Figure F). Parametric tolerance limits are used when data follow a normal or transformed-normal distribution. When data contained greater than 50% non-detects or did not follow a normal or transformed-normal distribution, non-parametric tolerance limits were used.

Groundwater Protection Standards

The background limits were then used when determining the groundwater protection standard (GWPS) under 40 CFR §257.95(h) and Georgia EPD Rule 391-3-4-.10(6)(a). On July 30, 2018, US EPA revised the Federal CCR rule updating GWPS for cobalt, lead, lithium, and molybdenum as described above in 40 CFR §257.95(h)(2). Effective on February 22, 2022, Georgia EPD incorporated the updated GWPS into the current Georgia EPD Rules for Solid Waste Management 391-3-4-.10(6)(a). In accordance with the updated Rules, the GWPS is:

- The maximum contaminant level (MCL) established under §141.62 and §141.66 of this title

- Where an MCL has not been established for a constituent, Federal and State CCR Rules specify levels for cobalt (0.006 mg/L), lead (0.015 mg/L), lithium (0.040 mg/L), and molybdenum (0.100 mg/L)
- The respective background level for a constituent when the background level is higher than the MCL or Federal CCR Rule identified GWPS

Following Georgia EPD Rule requirements and the Federal CCR requirements, GWPS were established for statistical comparison of Appendix IV constituents for this sample event (Figure G).

Confidence Intervals

To complete the statistical comparison of downgradient well data to GWPS, confidence intervals were constructed for the Appendix IV constituents in each downgradient and assessment well using all available data through July/August 2022.

The Sanitas software was used to calculate both the tolerance limits and the confidence intervals (Figure H). Due to the required transformations to fit the data to a transformed normal distribution, the lower confidence limits resulted in negative numbers for some well/constituent pairs. Therefore, non-parametric confidence intervals, which are bound by reported high and low measurements within a given well, were constructed for these particular cases and may be found at the end of Figure H. This is a more conservative approach in that the lower confidence limit reflects the lowest reported measurement in the data set rather than a negative number.

Confidence intervals were compared to the GWPS prepared as described above. Only when the entire confidence interval is above a GWPS is the downgradient well/constituent pair considered to exceed its respective standard. If there is an exceedance of the GWPS, a statistically significant level (SSL) exceedance is identified. Summaries of the confidence intervals follow this letter and exceedances were identified for the following well/constituent pairs:

- Arsenic: BGWC-34D
- Cobalt: BGWC-22
- Molybdenum: BGWC-43D

Trend Test Evaluation – Appendix IV

Data at wells with confidence interval exceedances are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically

increasing, decreasing, or stable (Figure I). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site for the same constituents. When trends are present in upgradient trends, it is an indication of natural variability in groundwater quality unrelated to practices at the site. A summary of the Appendix IV trend test results follows this letter. A statistically significant increasing trend was identified for the following well/constituent pair:

- Cobalt: BGWC-22

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen AP-1. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Abdul Diane
Groundwater Analyst



Andrew T. Collins
Project Manager

100% Non-Detects: Appendix IV Downgradient & Assessment

Analysis Run 11/15/2022 8:23 PM View: Confidence Intervals
Plant Bowen Client: Southern Company Data: Bowen AP-1

Antimony (mg/L)

BGWA-6, BGWC-12, BGWC-18, BGWC-30, BGWC-39

Beryllium (mg/L)

BGWA-6, BGWC-10, BGWC-14A, BGWC-20, BGWC-21, BGWC-25, BGWC-30, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-37D, BGWC-40, BGWC-41D, BGWC-42D, BGWC-43D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-7, BGWC-8, BGWC-9

Cadmium (mg/L)

BGWA-6, BGWC-10, BGWC-12, BGWC-21, BGWC-25, BGWC-31, BGWC-32, BGWC-34D, BGWC-35D, BGWC-36D, BGWC-37D, BGWC-40, BGWC-41D, BGWC-42D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-7, BGWC-8, BGWC-9

Chromium (mg/L)

BGWC-19, BGWC-22, BGWC-34D, BGWC-50D

Cobalt (mg/L)

BGWC-42D, BGWC-44D, BGWC-51

Fluoride (mg/L)

BGWC-31

Lead (mg/L)

BGWC-7

Lithium (mg/L)

BGWC-18, BGWC-19, BGWC-21, BGWC-25, BGWC-31, BGWC-32, BGWC-50D

Mercury (mg/L)

BGWC-21, BGWC-32, BGWC-37D, BGWC-39, BGWC-40, BGWC-41D, BGWC-42D, BGWC-43D, BGWC-49D, BGWC-50D

Molybdenum (mg/L)

BGWC-12, BGWC-16, BGWC-17, BGWC-18

Selenium (mg/L)

BGWC-10, BGWC-25, BGWC-35D, BGWC-37D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-7

Thallium (mg/L)

BGWC-10, BGWC-21, BGWC-25, BGWC-31, BGWC-37D, BGWC-41D, BGWC-42D, BGWC-44D, BGWC-49D, BGWC-50D, BGWC-8

Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 7:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.03848	n/a	7/28/2022	0.52	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-12	0.03848	n/a	7/27/2022	1.2	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-14A	0.03848	n/a	7/26/2022	1.3	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-16	0.03848	n/a	7/27/2022	1.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-17	0.03848	n/a	7/27/2022	1.2	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-18	0.03848	n/a	7/27/2022	0.53	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-19	0.03848	n/a	7/27/2022	0.43	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-20	0.03848	n/a	7/27/2022	3.8	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-22	0.03848	n/a	8/2/2022	21.5	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-23	0.03848	n/a	8/1/2022	14.8	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-24	0.03848	n/a	10/21/2022	19.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-25	0.03848	n/a	7/27/2022	0.051	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-30	0.03848	n/a	8/1/2022	2.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-7	0.03848	n/a	7/28/2022	1.1	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-8	0.03848	n/a	7/26/2022	0.052	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-9	0.03848	n/a	7/26/2022	0.47	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	7/27/2022	175	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	7/26/2022	185	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	7/27/2022	194	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	7/27/2022	284	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	8/2/2022	717	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	8/1/2022	559	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	10/21/2022	600	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	7/28/2022	136	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	9.144	n/a	7/28/2022	30	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	9.144	n/a	7/27/2022	16.2	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	9.144	n/a	7/26/2022	19.6	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	9.144	n/a	7/27/2022	23.1	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	9.144	n/a	7/27/2022	43.2	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-18	9.144	n/a	7/27/2022	14.9	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	9.144	n/a	7/27/2022	169	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	9.144	n/a	8/2/2022	828	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	9.144	n/a	8/1/2022	794	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	9.144	n/a	10/21/2022	836	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	9.144	n/a	8/1/2022	114	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-9	9.144	n/a	7/26/2022	10.9	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
pH (s.u.)	BGWC-16	8.341	6.705	7/27/2022	6.49	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-19	8.341	6.705	7/27/2022	6.55	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-24	8.341	6.705	10/21/2022	6.3	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	7/28/2022	105	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	7/27/2022	419	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	7/26/2022	486	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	7/27/2022	496	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	7/27/2022	118	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-19	78	n/a	7/27/2022	82.7	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	7/27/2022	617	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	8/2/2022	762	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	8/1/2022	528	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	10/21/2022	389	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	7/28/2022	268	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	7/26/2022	88	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-12	469.5	n/a	7/27/2022	952	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-14A	469.5	n/a	7/26/2022	966	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-16	469.5	n/a	7/27/2022	944	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-20	469.5	n/a	7/27/2022	1370	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-22	469.5	n/a	8/2/2022	3440	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-23	469.5	n/a	8/1/2022	2780	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-24	469.5	n/a	10/21/2022	1610	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-30	469.5	n/a	8/1/2022	582	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-7	469.5	n/a	7/28/2022	732	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2

Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 7:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.03848	n/a	7/28/2022	0.52	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-12	0.03848	n/a	7/27/2022	1.2	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-14A	0.03848	n/a	7/26/2022	1.3	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-16	0.03848	n/a	7/27/2022	1.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-17	0.03848	n/a	7/27/2022	1.2	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-18	0.03848	n/a	7/27/2022	0.53	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-19	0.03848	n/a	7/27/2022	0.43	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-20	0.03848	n/a	7/27/2022	3.8	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-21	0.03848	n/a	7/28/2022	0.035J	No	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-22	0.03848	n/a	8/2/2022	21.5	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-23	0.03848	n/a	8/1/2022	14.8	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-24	0.03848	n/a	10/21/2022	19.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-25	0.03848	n/a	7/27/2022	0.051	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-30	0.03848	n/a	8/1/2022	2.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-7	0.03848	n/a	7/28/2022	1.1	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-8	0.03848	n/a	7/26/2022	0.052	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-9	0.03848	n/a	7/26/2022	0.47	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Calcium (mg/L)	BGWC-10	117	n/a	7/28/2022	63	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	7/27/2022	175	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	7/26/2022	185	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	7/27/2022	194	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-17	117	n/a	7/27/2022	80.9	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-18	117	n/a	7/27/2022	65.9	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-19	117	n/a	7/27/2022	63.2	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	7/27/2022	284	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-21	117	n/a	7/28/2022	43.1	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	8/2/2022	717	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	8/1/2022	559	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	10/21/2022	600	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-25	117	n/a	7/27/2022	52.1	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-30	117	n/a	8/1/2022	111	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	7/28/2022	136	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-8	117	n/a	7/26/2022	41.8	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-9	117	n/a	7/26/2022	66.3	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	9.144	n/a	7/28/2022	30	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	9.144	n/a	7/27/2022	16.2	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	9.144	n/a	7/26/2022	19.6	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	9.144	n/a	7/27/2022	23.1	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	9.144	n/a	7/27/2022	43.2	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-18	9.144	n/a	7/27/2022	14.9	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-19	9.144	n/a	7/27/2022	7.8	No	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	9.144	n/a	7/27/2022	169	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-21	9.144	n/a	7/28/2022	4.7	No	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	9.144	n/a	8/2/2022	828	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	9.144	n/a	8/1/2022	794	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	9.144	n/a	10/21/2022	836	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-25	9.144	n/a	7/27/2022	6.2	No	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	9.144	n/a	8/1/2022	114	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-7	9.144	n/a	7/28/2022	8.9	No	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-8	9.144	n/a	7/26/2022	1.6	No	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-9	9.144	n/a	7/26/2022	10.9	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Fluoride (mg/L)	BGWC-10	0.57	n/a	7/28/2022	0.064J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-12	0.57	n/a	7/27/2022	0.081J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-14A	0.57	n/a	7/26/2022	0.082J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-16	0.57	n/a	7/27/2022	0.091J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-17	0.57	n/a	7/27/2022	0.13	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-18	0.57	n/a	7/27/2022	0.081J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-19	0.57	n/a	7/27/2022	0.071J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-20	0.57	n/a	7/27/2022	0.062J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-21	0.57	n/a	7/28/2022	0.1ND	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-22	0.57	n/a	8/2/2022	0.19	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-23	0.57	n/a	8/1/2022	0.07J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-24	0.57	n/a	10/21/2022	0.14	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-25	0.57	n/a	7/27/2022	0.051J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-30	0.57	n/a	8/1/2022	0.09J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-7	0.57	n/a	7/28/2022	0.16	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-8	0.57	n/a	7/26/2022	0.067J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-9	0.57	n/a	7/26/2022	0.11	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2

Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 7:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (s.u.)	BGWC-10	8.341	6.705	7/28/2022	7.63	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-12	8.341	6.705	7/27/2022	6.85	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-14A	8.341	6.705	7/26/2022	6.78	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-16	8.341	6.705	7/27/2022	6.49	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-17	8.341	6.705	7/27/2022	7.29	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-18	8.341	6.705	7/27/2022	7.02	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-19	8.341	6.705	7/27/2022	6.55	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-20	8.341	6.705	7/27/2022	7.18	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-21	8.341	6.705	7/28/2022	7.85	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-22	8.341	6.705	8/2/2022	6.73	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-23	8.341	6.705	8/1/2022	7	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-24	8.341	6.705	10/21/2022	6.3	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-25	8.341	6.705	7/27/2022	7.22	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-30	8.341	6.705	8/1/2022	7.21	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-7	8.341	6.705	7/28/2022	6.96	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-8	8.341	6.705	7/26/2022	7.63	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-9	8.341	6.705	7/26/2022	7.33	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	7/28/2022	105	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	7/27/2022	419	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	7/26/2022	486	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	7/27/2022	496	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	7/27/2022	118	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-18	78	n/a	7/27/2022	55.5	No	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-19	78	n/a	7/27/2022	82.7	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	7/27/2022	617	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-21	78	n/a	7/28/2022	55.3	No	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	8/2/2022	762	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	8/1/2022	528	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	10/21/2022	389	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-25	78	n/a	7/27/2022	12.6	No	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-30	78	n/a	8/1/2022	63.3	No	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	7/28/2022	268	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-8	78	n/a	7/26/2022	31.6	No	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	7/26/2022	88	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-10	469.5	n/a	7/28/2022	338	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-12	469.5	n/a	7/27/2022	952	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-14A	469.5	n/a	7/26/2022	966	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-16	469.5	n/a	7/27/2022	944	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-17	469.5	n/a	7/27/2022	438	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-18	469.5	n/a	7/27/2022	307	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-19	469.5	n/a	7/27/2022	338	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-20	469.5	n/a	7/27/2022	1370	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-21	469.5	n/a	7/28/2022	259	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-22	469.5	n/a	8/2/2022	3440	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-23	469.5	n/a	8/1/2022	2780	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-24	469.5	n/a	10/21/2022	1610	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-25	469.5	n/a	7/27/2022	231	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-30	469.5	n/a	8/1/2022	582	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-7	469.5	n/a	7/28/2022	732	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-8	469.5	n/a	7/26/2022	196	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-9	469.5	n/a	7/26/2022	349	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2

Appendix III Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 8:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWC-12	0.05103	90	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.07488	-95	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.795	160	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.856	154	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.004415	78	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.891	-131	-92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.1574	-113	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.04004	-92	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.945	115	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.17	146	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	6.772	87	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	13.98	113	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	59.98	182	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	78.86	160	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.1487	-135	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.301	113	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-5.329	-158	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-4.056	-110	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	57.74	130	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	95.49	138	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-146	-94	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-150.4	-143	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-9	-5.154	-104	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1588	-54	-43	Yes	13	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06548	-161	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-24	-0.05117	-165	-118	Yes	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.439	131	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-47D (bg)	8.354	44	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	30.17	119	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	14.92	96	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-19	-9.18	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-40.5	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-7.855	-94	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	55.89	105	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	227.7	93	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	238.1	121	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-394.4	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-53.6	-103	-74	Yes	19	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 8:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	-0.0007746	-23	-81	No	20	10	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	-23	-81	No	20	50	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-33 (bg)	-0.0068	-15	-25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.002093	-17	-38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	0.01071	31	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-10	0.001358	13	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-12	0.05103	90	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-14A	0.1569	25	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-16	-0.01515	-27	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.06711	-68	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.07488	-95	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.05208	-65	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.1516	67	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.795	160	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.856	154	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-24	-0.3723	-20	-92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.004415	78	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.891	-131	-92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.1574	-113	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-8	-0.003776	-44	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.04004	-92	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.945	115	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-29 (bg)	-0.06243	-12	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-33 (bg)	2.65	10	25	No	9	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	6.309	23	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	9.531	10	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.17	146	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-14A	21.17	26	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	6.772	87	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	13.98	113	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	59.98	182	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	78.86	160	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-24	-21.57	-29	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-7	-1.232	-34	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-2 (bg)	0.2119	70	81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.1487	-135	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-33 (bg)	-0.3057	-5	-21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3104	-34	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-48D (bg)	1.969	33	38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.301	113	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-5.329	-158	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-14A	-3.124	-15	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-4.056	-110	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-17	0.8172	29	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-18	-3.744	-63	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-20	1.884	50	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	57.74	130	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	95.49	138	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-146	-94	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-150.4	-143	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-9	-5.154	-104	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-2 (bg)	-0.04476	-104	-105	No	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-29 (bg)	0.005772	17	98	No	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-33 (bg)	-0.1448	-22	-34	No	11	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1588	-54	-43	Yes	13	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-48D (bg)	-0.2026	-41	-43	No	13	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06548	-161	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-19	-0.005105	-31	-98	No	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-24	-0.05117	-165	-118	Yes	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.439	131	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-29 (bg)	-0.3385	-39	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-33 (bg)	-1.483	-14	-21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-47D (bg)	8.354	44	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	-7.306	-30	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-1.042	-62	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	30.17	119	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-14A	68.69	20	38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	14.92	96	74	Yes	19	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 8:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	BGWC-17	-4.42	-51	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-19	-9.18	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-20	-3.975	-11	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-22	10.94	35	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-23	27.13	77	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-24	-38.99	-75	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-40.5	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-7.855	-94	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-2 (bg)	8.12	73	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-29 (bg)	-2.288	-46	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-33 (bg)	-8.072	-8	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-47D (bg)	10.2	20	38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-48D (bg)	4.746	4	38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	55.89	105	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-14A	79.17	22	38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-16	20.37	69	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-20	29.86	63	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	227.7	93	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	238.1	121	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-24	-217.9	-54	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-394.4	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-53.6	-103	-74	Yes	19	0	n/a	n/a	0.01	NP

Upper Tolerance Limits Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 8:35 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.0042	n/a	n/a	n/a	n/a	70	57.14	n/a	0.02758	NP Inter(NDs)
Arsenic (mg/L)	0.01	n/a	n/a	n/a	n/a	80	50	n/a	0.01652	NP Inter(normality)
Barium (mg/L)	0.218	n/a	n/a	n/a	n/a	80	0	n/a	0.01652	NP Inter(normality)
Beryllium (mg/L)	0.0005	n/a	n/a	n/a	n/a	76	98.68	n/a	0.02028	NP Inter(NDs)
Cadmium (mg/L)	0.0005	n/a	n/a	n/a	n/a	80	97.5	n/a	0.01652	NP Inter(NDs)
Chromium (mg/L)	0.005	n/a	n/a	n/a	n/a	76	60.53	n/a	0.02028	NP Inter(NDs)
Cobalt (mg/L)	0.005	n/a	n/a	n/a	n/a	81	91.36	n/a	0.01569	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.665	n/a	n/a	n/a	n/a	79	0	No	0.05	Inter
Fluoride (mg/L)	0.57	n/a	n/a	n/a	n/a	83	49.4	n/a	0.01416	NP Inter(normality)
Lead (mg/L)	0.0024	n/a	n/a	n/a	n/a	76	64.47	n/a	0.02028	NP Inter(NDs)
Lithium (mg/L)	0.03	n/a	n/a	n/a	n/a	80	81.25	n/a	0.01652	NP Inter(NDs)
Mercury (mg/L)	0.00022	n/a	n/a	n/a	n/a	76	90.79	n/a	0.02028	NP Inter(NDs)
Molybdenum (mg/L)	0.034	n/a	n/a	n/a	n/a	82	53.66	n/a	0.01491	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	n/a	n/a	76	86.84	n/a	0.02028	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	n/a	80	83.75	n/a	0.01652	NP Inter(NDs)

BOWEN ASH POND 1 GWPS				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.01	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.005	0.1
Cobalt, Total (mg/L)		0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.67	5
Fluoride, Total (mg/L)	4		0.57	4
Lead, Total (mg/L)		0.015	0.0024	0.015
Lithium, Total (mg/L)		0.04	0.03	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.034	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

Confidence Intervals - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	BGWC-34D	0.01848	0.01522	0.01	Yes	13	0.01685	0.002193	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-22	0.02671	0.01664	0.006	Yes	25	0.02168	0.01011	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2157	0.1354	0.1	Yes	9	0.1756	0.04157	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BGWC-10	0.003	0.0022	0.006	No	18	0.002822	0.0004292	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-14A	0.003	0.00061	0.006	No	13	0.002608	0.0009578	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-16	0.003	0.0004	0.006	No	18	0.002856	0.0006128	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-17	0.003	0.0002	0.006	No	18	0.002844	0.00066	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-19	0.003	0.0005	0.006	No	18	0.002861	0.0005893	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-20	0.003	0.0014	0.006	No	18	0.002772	0.0006807	88.89	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-21	0.003	0.0017	0.006	No	17	0.002829	0.0004845	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-22	0.003	0.0023	0.006	No	18	0.00276	0.0006713	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-23	0.03	0.0014	0.006	No	18	0.02046	0.0139	66.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-24	0.03	0.0032	0.006	No	18	0.02231	0.01279	72.22	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-25	0.003	0.0013	0.006	No	18	0.002906	0.0004007	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-31	0.003	0.00038	0.006	No	8	0.002673	0.0009263	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-32	0.003	0.00036	0.006	No	8	0.002344	0.001215	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-34D	0.003	0.00049	0.006	No	8	0.00241	0.001095	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-35D	0.003	0.00064	0.006	No	8	0.002413	0.001088	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-36D	0.003	0.00096	0.006	No	8	0.002745	0.0007212	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-37D	0.003	0.00041	0.006	No	8	0.002576	0.000919	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-38D	0.005625	0.0002504	0.006	No	8	0.00334	0.003358	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-40	0.003	0.0005	0.006	No	8	0.002688	0.0008839	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-41D	0.003	0.0014	0.006	No	6	0.002467	0.0008262	66.67	None	No	0.0155	NP (NDs)
Antimony (mg/L)	BGWC-42D	0.001729	0.0003839	0.006	No	6	0.001892	0.0009957	33.33	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	BGWC-43D	0.003	0.00058	0.006	No	6	0.002248	0.001169	66.67	Kaplan-Meier	No	0.0155	NP (NDs)
Antimony (mg/L)	BGWC-44D	0.00628	0.0005142	0.006	No	6	0.003217	0.002917	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-49D	0.003	0.00039	0.006	No	4	0.002348	0.001305	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	BGWC-50D	0.003	0.0019	0.006	No	4	0.002725	0.00055	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	BGWC-51	0.003	0.0019	0.006	No	6	0.002817	0.0004491	83.33	None	No	0.0155	NP (NDs)
Antimony (mg/L)	BGWC-52	0.003	0.00053	0.006	No	6	0.002047	0.001138	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	BGWC-7	0.003	0.0016	0.006	No	18	0.00255	0.0009109	77.78	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-8	0.003	0.00059	0.006	No	18	0.002581	0.0009657	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-9	0.003	0.0014	0.006	No	17	0.002461	0.001026	76.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWA-6	0.005	0.0011	0.01	No	19	0.003551	0.00197	63.16	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-10	0.007347	0.00569	0.01	No	22	0.006518	0.001544	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-12	0.005	0.00085	0.01	No	22	0.002638	0.001996	36.36	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-14A	0.005	0.0011	0.01	No	13	0.004038	0.001601	69.23	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-16	0.005	0.00074	0.01	No	22	0.003281	0.002126	59.09	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-17	0.005	0.0012	0.01	No	22	0.003532	0.002006	63.64	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-18	0.005	0.0013	0.01	No	22	0.003514	0.002043	63.64	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-19	0.005	0.00074	0.01	No	22	0.003125	0.002135	54.55	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-20	0.005	0.0015	0.01	No	22	0.002928	0.001844	40.91	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-21	0.005	0.00087	0.01	No	21	0.002971	0.002023	47.62	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-22	0.0036	0.0016	0.01	No	22	0.004632	0.00672	9.091	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-23	0.004004	0.001712	0.01	No	22	0.003854	0.005088	4.545	None	ln(x)	0.01	Param.
Arsenic (mg/L)	BGWC-24	0.005413	0.002903	0.01	No	23	0.0044	0.002652	13.04	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-25	0.002976	0.002088	0.01	No	22	0.002577	0.0009045	4.545	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-30	0.005	0.001	0.01	No	22	0.002846	0.001907	36.36	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-31	0.005654	0.003837	0.01	No	11	0.004745	0.00109	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-32	0.002859	0.000915	0.01	No	11	0.002466	0.001663	18.18	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-34D	0.01848	0.01522	0.01	Yes	13	0.01685	0.002193	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-35D	0.003649	0.001267	0.01	No	11	0.002505	0.001576	9.091	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-36D	0.005	0.00064	0.01	No	11	0.002883	0.002083	45.45	None	No	0.006	NP (normality)
Arsenic (mg/L)	BGWC-37D	0.03294	0.009806	0.01	No	8	0.02138	0.01091	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-38D	0.004037	0.001288	0.01	No	8	0.002662	0.001297	12.5	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-39	0.0055	0.00055	0.01	No	8	0.003956	0.001772	37.5	None	No	0.004	NP (selected)
Arsenic (mg/L)	BGWC-40	0.002874	0.0006583	0.01	No	8	0.002979	0.001892	37.5	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-41D	0.005539	0.0005345	0.01	No	6	0.003037	0.001821	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	BGWC-42D	0.00887	0.001063	0.01	No	6	0.004967	0.002842	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-43D	0.005018	0.0005427	0.01	No	6	0.002465	0.001752	0	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-44D	0.007489	0.001711	0.01	No	6	0.0046	0.002103	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-49D	0.0076	0.0023	0.01	No	4	0.00465	0.002453	0	None	No	0.0625	NP (selected)
Arsenic (mg/L)	BGWC-50D	0.004488	0.0009123	0.01	No	4	0.0027	0.0007874	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-51	0.006208	0.001125	0.01	No	6	0.0043	0.001826	33.33	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-52	0.002738	0.0006572	0.01	No	6	0.002798	0.001835	33.33	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-7	0.002772	0.001991	0.01	No	22	0.002382	0.0007274	9.091	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-8	0.005	0.00065	0.01	No	22	0.002499	0.002147	40.91	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-9	0.002829	0.002123	0.01	No	21	0.002476	0.0006395	9.524	None	No	0.01	Param.
Barium (mg/L)	BGWA-6	0.016	0.0114	2	No	19	0.01792	0.01284	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-10	0.05901	0.04572	2	No	22	0.05236	0.01238	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-12	0.03701	0.03057	2	No	22	0.03379	0.005999	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-14A	0.04203	0.03212	2	No	13	0.03708	0.006664	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-16	0.03029	0.02741	2	No	22	0.02885	0.002676	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-17	0.01844	0.01568	2	No	22	0.01713	0.002654	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-18	0.03508	0.03019	2	No	22	0.03263	0.004555	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-19	0.03837	0.03172	2	No	22	0.03505	0.00619	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-20	0.03403	0.03088	2	No	22	0.03245	0.002928	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-21	0.04332	0.03236	2	No	21	0.03784	0.009932	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-22	0.09069	0.08065	2	No	22	0.08567	0.009353	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-23	0.11	0.085	2	No	22	0.0988	0.01433	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-24	0.1076	0.07675	2	No	23	0.09216	0.02945	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-25	0.02513	0.01829	2	No	22	0.02203	0.006693	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-30	0.191	0.074	2	No	22	0.1196	0.05938	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-31	0.04429	0.03486	2	No	11	0.03964	0.005971	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-32	0.1222	0.09054	2	No	11	0.1065	0.01946	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-34D	0.04969	0.03721	2	No	11	0.04345	0.007488	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-35D	0.09933	0.0663	2	No	11	0.08282	0.01982	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-36D	0.084	0.062	2	No	11	0.07264	0.01407	0	None	No	0.006	NP (normality)
Barium (mg/L)	BGWC-37D	0.12	0.087	2	No	8	0.09625	0.01078	0	None	No	0.004	NP (normality)
Barium (mg/L)	BGWC-38D	0.2032	0.09383	2	No	8	0.1485	0.05158	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-39	0.08089	0.04711	2	No	8	0.064	0.01594	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-40	0.05858	0.04542	2	No	8	0.052	0.006211	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-41D	0.06516	0.04817	2	No	6	0.05667	0.006186	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-42D	0.1381	0.06152	2	No	6	0.09983	0.02789	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-43D	0.08084	0.06183	2	No	6	0.07133	0.006919	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-44D	0.02602	0.01965	2	No	6	0.02283	0.002317	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-49D	0.1072	0.04781	2	No	4	0.0775	0.01308	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-50D	0.06629	0.01421	2	No	4	0.04025	0.01147	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-51	0.06959	0.006781	2	No	6	0.03818	0.02286	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-52	0.1027	0.01995	2	No	6	0.06133	0.03012	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-7	0.0389	0.03301	2	No	22	0.03595	0.005493	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-8	0.03052	0.02708	2	No	22	0.02808	0.00561	0	None	x^3	0.01	Param.
Barium (mg/L)	BGWC-9	0.03168	0.02743	2	No	21	0.02955	0.003848	0	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-12	0.0005	0.000076	0.004	No	20	0.0004561	0.0001352	90	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-16	0.003	0.00012	0.004	No	20	0.001414	0.001472	45	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-17	0.0005	0.000065	0.004	No	20	0.0004119	0.0001808	80	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-18	0.0005	0.000076	0.004	No	20	0.000351	0.0002086	65	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-19	0.003	0.00008	0.004	No	20	0.00183	0.001471	60	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-22	0.003	0.00011	0.004	No	20	0.001409	0.001477	45	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-23	0.0005	0.000054	0.004	No	20	0.0004777	0.00009973	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-24	0.0005	0.00017	0.004	No	21	0.0003697	0.0001744	61.9	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-36D	0.0005	0.0005	0.004	No	10	0.000457	0.000136	90	None	No	0.011	NP (NDs)
Beryllium (mg/L)	BGWC-38D	0.0005	0.000054	0.004	No	8	0.0002826	0.0002326	50	None	No	0.004	NP (normality)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	BGWC-39	0.0005	0.000079	0.004	No	8	0.0004474	0.0001488	87.5	None	No	0.004	NP (NDs)
Beryllium (mg/L)	BGWC-51	0.0001879	0.00006138	0.004	No	6	0.0001838	0.0001626	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Beryllium (mg/L)	BGWC-52	0.0005	0.000052	0.004	No	6	0.0004253	0.0001829	83.33	None	No	0.0155	NP (NDs)
Cadmium (mg/L)	BGWC-14A	0.0005	0.00016	0.005	No	13	0.0003208	0.0001599	38.46	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-16	0.001693	0.001307	0.005	No	22	0.0015	0.0003599	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-17	0.0005	0.00015	0.005	No	22	0.0003027	0.0001739	40.91	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-18	0.0003808	0.0001718	0.005	No	22	0.0004251	0.0001792	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	BGWC-19	0.0005	0.0002	0.005	No	22	0.00045	0.00013	86.36	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-20	0.0005	0.00008	0.005	No	22	0.0004809	0.00008954	95.45	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-22	0.005	0.00033	0.005	No	22	0.00348	0.002279	68.18	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-23	0.0005	0.00019	0.005	No	22	0.0004859	0.00006609	95.45	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-24	0.00562	0.003048	0.005	No	23	0.004334	0.002459	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-30	0.0005	0.0003	0.005	No	22	0.0004172	0.0001357	54.55	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-38D	0.00081	0.00032	0.005	No	8	0.0005163	0.0001344	75	None	No	0.004	NP (NDs)
Cadmium (mg/L)	BGWC-39	0.0002541	0.0001271	0.005	No	8	0.0003063	0.00017	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Cadmium (mg/L)	BGWC-43D	0.001505	0.00001214	0.005	No	6	0.0007583	0.0005432	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-51	0.000601	0.0002156	0.005	No	6	0.0004783	0.0001289	33.33	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	BGWC-52	0.0005	0.00018	0.005	No	6	0.0003517	0.0001645	50	None	No	0.0155	NP (normality)
Chromium (mg/L)	BGWA-6	0.005	0.0044	0.1	No	18	0.004772	0.0008288	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-10	0.005	0.0011	0.1	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-12	0.005	0.00079	0.1	No	20	0.003881	0.00199	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-14A	0.026	0.005	0.1	No	13	0.006615	0.005824	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-16	0.005	0.0019	0.1	No	20	0.00463	0.001154	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-17	0.005	0.00044	0.1	No	20	0.004541	0.001411	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-18	0.005	0.0011	0.1	No	20	0.00436	0.001565	85	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-20	0.005	0.0011	0.1	No	20	0.003721	0.001822	60	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-21	0.005	0.0025	0.1	No	19	0.004627	0.001171	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-23	0.005	0.0033	0.1	No	20	0.00414	0.00162	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-24	0.005	0.0009	0.1	No	21	0.00438	0.001556	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-25	0.005	0.0021	0.1	No	20	0.004855	0.0006485	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-30	0.005	0.00082	0.1	No	20	0.002315	0.002035	35	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-31	0.005	0.00064	0.1	No	10	0.00373	0.00205	70	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-32	0.005	0.00062	0.1	No	10	0.003241	0.002137	50	None	No	0.011	NP (normality)
Chromium (mg/L)	BGWC-35D	0.005	0.00072	0.1	No	10	0.003749	0.002017	70	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-36D	0.005	0.00057	0.1	No	10	0.003274	0.002232	60	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-37D	0.005	0.00068	0.1	No	8	0.00392	0.002	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-38D	0.005	0.00042	0.1	No	8	0.00419	0.001662	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-39	0.005	0.001	0.1	No	8	0.0045	0.001414	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-40	0.005	0.00043	0.1	No	8	0.002342	0.002209	37.5	None	No	0.004	NP (normality)
Chromium (mg/L)	BGWC-41D	0.005	0.00068	0.1	No	6	0.00428	0.001764	83.33	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-42D	0.005	0.00062	0.1	No	6	0.00362	0.002143	66.67	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-43D	0.005	0.0024	0.1	No	6	0.004567	0.001061	83.33	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-44D	0.005	0.00093	0.1	No	6	0.003645	0.002099	66.67	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-49D	0.005	0.00071	0.1	No	4	0.003927	0.002145	75	None	No	0.0625	NP (NDs)
Chromium (mg/L)	BGWC-51	0.005	0.0006	0.1	No	6	0.004267	0.001796	83.33	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-52	0.005	0.00061	0.1	No	6	0.003652	0.0021	66.67	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-7	0.005	0.00095	0.1	No	20	0.004355	0.001576	85	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-8	0.005	0.0011	0.1	No	20	0.00542	0.01367	25	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-9	0.005	0.002	0.1	No	19	0.004842	0.0006882	94.74	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWA-6	0.005	0.0005	0.006	No	19	0.003126	0.002264	57.89	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-10	0.005	0.00056	0.006	No	22	0.003551	0.002171	68.18	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-12	0.005	0.00048	0.006	No	22	0.002745	0.002311	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-14A	0.002338	0.0009874	0.006	No	13	0.002785	0.001713	30.77	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BGWC-16	0.008105	0.005468	0.006	No	22	0.006786	0.002456	4.545	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-17	0.005	0.00015	0.006	No	22	0.00478	0.001034	95.45	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	BGWC-18	0.005	0.0009	0.006	No	22	0.003992	0.001906	77.27	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-19	0.005	0.000072	0.006	No	22	0.004776	0.001051	95.45	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-20	0.005	0.0008	0.006	No	22	0.004382	0.001595	86.36	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-21	0.005	0.00058	0.006	No	21	0.002675	0.002137	42.86	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-22	0.02671	0.01664	0.006	Yes	25	0.02168	0.01011	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-23	0.005	0.00058	0.006	No	24	0.003716	0.002054	70.83	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-24	0.004065	0.002943	0.006	No	25	0.003504	0.001125	12	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-25	0.005	0.0006	0.006	No	22	0.004583	0.001352	90.91	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-30	0.005	0.0009	0.006	No	24	0.003297	0.002079	58.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-31	0.005	0.00036	0.006	No	11	0.002531	0.002367	45.45	None	No	0.006	NP (normality)
Cobalt (mg/L)	BGWC-32	0.007733	0.002582	0.006	No	13	0.005158	0.003463	7.692	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-34D	0.005	0.00042	0.006	No	11	0.001524	0.001743	18.18	None	No	0.006	NP (normality)
Cobalt (mg/L)	BGWC-35D	0.002864	0.0008607	0.006	No	11	0.001907	0.001371	9.091	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BGWC-36D	0.005	0.00049	0.006	No	11	0.002638	0.002269	45.45	None	No	0.006	NP (normality)
Cobalt (mg/L)	BGWC-37D	0.001974	0.000586	0.006	No	8	0.00128	0.0006547	12.5	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-38D	0.007152	0.001413	0.006	No	9	0.004311	0.003997	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	BGWC-39	0.005	0.00047	0.006	No	9	0.00382	0.001941	66.67	None	No	0.002	NP (NDs)
Cobalt (mg/L)	BGWC-40	0.0005932	0.0004468	0.006	No	8	0.00052	0.00006908	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-41D	0.005	0.0004	0.006	No	6	0.00202	0.002311	33.33	None	No	0.0155	NP (normality)
Cobalt (mg/L)	BGWC-43D	0.005927	0.002359	0.006	No	7	0.004143	0.001502	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-49D	0.001165	0.0004948	0.006	No	4	0.00083	0.0001476	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-50D	0.002057	0.0001478	0.006	No	4	0.001103	0.0004205	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-52	0.005006	0.0003471	0.006	No	6	0.002677	0.001696	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-7	0.00091	0.00068	0.006	No	22	0.002431	0.003654	18.18	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-8	0.005	0.0012	0.006	No	22	0.004168	0.001818	81.82	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-9	0.005	0.0006	0.006	No	21	0.00434	0.001658	85.71	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	BGWA-6	0.7035	0.3247	5	No	19	0.546	0.3493	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-10	1.443	0.9789	5	No	22	1.237	0.4758	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-12	0.741	0.3445	5	No	22	0.5427	0.3693	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-14A	1.316	0.5696	5	No	13	0.9428	0.502	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-16	1.199	0.7064	5	No	22	0.9525	0.4585	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-17	0.8295	0.4521	5	No	22	0.6408	0.3515	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-18	1.034	0.5819	5	No	22	0.8455	0.4851	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-19	1.113	0.6589	5	No	22	0.8859	0.4228	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-20	1.433	0.9253	5	No	22	1.179	0.4728	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-21	0.8437	0.4975	5	No	21	0.6706	0.3138	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-22	2.9	2.023	5	No	22	2.461	0.8172	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-23	1.876	1.131	5	No	22	1.504	0.6938	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-24	3.504	1.927	5	No	22	3.109	2.64	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-25	0.9359	0.5206	5	No	22	0.7283	0.3869	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-30	2.16	1.191	5	No	21	1.676	0.878	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-31	1.809	1.015	5	No	11	1.412	0.4763	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-32	2.156	1.197	5	No	11	1.677	0.5753	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-34D	2.881	1.681	5	No	11	2.281	0.7197	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-35D	3.1	1.931	5	No	11	2.515	0.7013	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-36D	2.347	1.305	5	No	11	1.826	0.6253	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-37D	3.297	2.248	5	No	8	2.773	0.4953	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-38D	5.91	3.34	5	No	8	4.681	1.112	0	None	No	0.004	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BGWC-39	1.582	0.4558	5	No	8	1.019	0.5313	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-40	1.028	0.3254	5	No	8	0.6766	0.3314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-41D	1.855	0.6455	5	No	6	1.251	0.4404	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-42D	1.38	0.461	5	No	6	0.747	0.3791	0	None	No	0.0155	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BGWC-43D	2.031	1.012	5	No	6	1.522	0.371	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-44D	1.512	0.5095	5	No	6	1.011	0.3647	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-49D	3.66	2.36	5	No	4	2.72	0.6277	0	None	No	0.0625	NP (normality)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	BGWC-50D	1.4	0.99	5	No	4	1.1	0.2002	0	None	No	0.0625	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BGWC-51	0.7936	0.3971	5	No	6	0.5953	0.1443	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-52	1.755	0.1934	5	No	6	0.9743	0.5685	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-7	1.656	1.206	5	No	22	1.431	0.4198	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-8	0.8046	0.397	5	No	22	0.6008	0.3797	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-9	1.017	0.5059	5	No	21	0.8082	0.5265	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BGWA-6	0.1	0.06	4	No	20	0.0861	0.02728	65	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-10	0.1031	0.05459	4	No	23	0.11	0.06845	39.13	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	BGWC-12	0.12	0.08	4	No	23	0.104	0.06177	43.48	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-14A	0.1	0.055	4	No	13	0.08577	0.01993	61.54	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-16	0.1576	0.06366	4	No	23	0.135	0.1123	26.09	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BGWC-17	0.2131	0.1207	4	No	23	0.1899	0.1388	4.348	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BGWC-18	0.14	0.08	4	No	23	0.1263	0.09818	34.78	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-19	0.11	0.07	4	No	23	0.1172	0.1113	34.78	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-20	0.13	0.062	4	No	23	0.119	0.1324	47.83	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-21	0.1	0.066	4	No	22	0.08445	0.02606	54.55	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-22	0.34	0.23	4	No	26	0.3742	0.2814	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-23	0.1	0.068	4	No	25	0.166	0.2097	20	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-24	1.2	0.064	4	No	26	0.7825	1.077	7.692	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-25	0.09163	0.05483	4	No	23	0.092	0.03071	47.83	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-30	0.1936	0.07687	4	No	25	0.208	0.2007	20	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	BGWC-32	0.66	0.13	4	No	13	0.3336	0.3569	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-34D	0.1	0.053	4	No	11	0.08982	0.02301	81.82	None	No	0.006	NP (NDs)
Fluoride (mg/L)	BGWC-35D	0.26	0.13	4	No	11	0.2509	0.2234	0	None	No	0.006	NP (normality)
Fluoride (mg/L)	BGWC-36D	0.26	0.11	4	No	11	0.1673	0.09991	9.091	None	No	0.006	NP (normality)
Fluoride (mg/L)	BGWC-37D	0.4539	0.1561	4	No	8	0.305	0.1405	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-38D	0.6449	0.3662	4	No	9	0.5056	0.1443	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-39	0.1458	0.05999	4	No	9	0.1029	0.04443	11.11	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-40	0.09873	0.05745	4	No	9	0.08756	0.02295	33.33	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-41D	0.1094	0.06028	4	No	7	0.08486	0.02069	14.29	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-42D	0.6857	0.4068	4	No	8	0.5463	0.1316	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-43D	1.099	0.8194	4	No	9	0.9589	0.1486	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BGWC-44D	0.16	0.088	4	No	7	0.1083	0.02368	57.14	None	No	0.008	NP (NDs)
Fluoride (mg/L)	BGWC-49D	0.1073	0.03467	4	No	4	0.0855	0.02124	50	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-50D	0.1296	0.0489	4	No	4	0.0945	0.01969	25	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-51	0.1735	0.07355	4	No	6	0.1235	0.03636	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-52	0.1361	0.07262	4	No	6	0.1043	0.02309	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-7	0.1803	0.1238	4	No	23	0.152	0.05394	4.348	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-8	0.1	0.067	4	No	23	0.08035	0.02994	60.87	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-9	0.2054	0.1011	4	No	22	0.1818	0.1443	0	None	ln(x)	0.01	Param.
Lead (mg/L)	BGWA-6	0.001	0.00016	0.015	No	18	0.0007973	0.0003908	77.78	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-10	0.001	0.00019	0.015	No	20	0.0009165	0.0002571	90	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-12	0.001	0.00013	0.015	No	20	0.0006824	0.0004148	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-14A	0.001	0.000062	0.015	No	13	0.0007155	0.0004444	69.23	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-16	0.001	0.00014	0.015	No	20	0.0006665	0.0004221	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-17	0.001	0.000079	0.015	No	20	0.000954	0.0002059	95	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-18	0.001	0.0001	0.015	No	20	0.0006886	0.000436	65	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-19	0.001	0.0006	0.015	No	20	0.0009319	0.0002286	90	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-20	0.001	0.0001	0.015	No	20	0.0009092	0.0002796	90	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-21	0.001	0.000068	0.015	No	19	0.0006571	0.0004614	63.16	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-22	0.001	0.00033	0.015	No	20	0.0007848	0.000386	75	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-23	0.001	0.00031	0.015	No	20	0.0009225	0.0002401	90	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-24	0.001	0.0001	0.015	No	21	0.0007585	0.0004057	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-25	0.001	0.0002	0.015	No	20	0.0007013	0.0003977	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-30	0.001	0.00016	0.015	No	20	0.0005895	0.0004255	50	None	No	0.01	NP (normality)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	BGWC-31	0.0007894	0.0002104	0.015	No	10	0.0006766	0.0003878	30	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-32	0.001	0.00011	0.015	No	10	0.0008182	0.0003834	80	Kaplan-Meier	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-34D	0.001	0.001	0.015	No	10	0.0009054	0.0002992	90	Kaplan-Meier	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-35D	0.0002864	0.0001099	0.015	No	10	0.0005209	0.0004201	40	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead (mg/L)	BGWC-36D	0.001	0.00014	0.015	No	10	0.000592	0.0003893	40	None	No	0.011	NP (normality)
Lead (mg/L)	BGWC-37D	0.001	0.000073	0.015	No	8	0.0005694	0.0004652	50	None	No	0.004	NP (normality)
Lead (mg/L)	BGWC-38D	0.001	0.00016	0.015	No	8	0.0007038	0.0004096	62.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-39	0.001	0.0001	0.015	No	8	0.0008875	0.0003182	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-40	0.001	0.00014	0.015	No	8	0.0004838	0.0004286	37.5	None	No	0.004	NP (normality)
Lead (mg/L)	BGWC-41D	0.001	0.000036	0.015	No	6	0.0008393	0.0003936	83.33	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-42D	0.001	0.000041	0.015	No	6	0.0006808	0.0004945	66.67	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-43D	0.001	0.00012	0.015	No	6	0.0008533	0.0003593	83.33	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-44D	0.001	0.00017	0.015	No	6	0.0008617	0.0003388	83.33	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-49D	0.001	0.000044	0.015	No	4	0.000761	0.000478	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	BGWC-50D	0.001	0.00014	0.015	No	4	0.000785	0.00043	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	BGWC-51	0.001	0.00015	0.015	No	6	0.0005883	0.0004516	50	None	No	0.0155	NP (normality)
Lead (mg/L)	BGWC-52	0.001	0.000054	0.015	No	6	0.000544	0.0004999	50	None	No	0.0155	NP (normality)
Lead (mg/L)	BGWC-8	0.001	0.0003	0.015	No	20	0.0008345	0.0003414	80	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-9	0.001	0.000082	0.015	No	19	0.0005931	0.0004506	52.63	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWA-6	0.03	0.00082	0.04	No	19	0.02846	0.006694	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-10	0.03	0.00093	0.04	No	22	0.01061	0.01361	31.82	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-12	0.05	0.001	0.04	No	22	0.02554	0.02504	50	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-14A	0.03	0.00087	0.04	No	13	0.01658	0.01508	53.85	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-16	0.03	0.00049	0.04	No	22	0.02866	0.006292	95.45	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-17	0.03	0.00069	0.04	No	22	0.02867	0.006249	95.45	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-20	0.02715	0.01888	0.04	No	22	0.02302	0.007705	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-22	0.02904	0.01836	0.04	No	22	0.0237	0.009957	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-23	0.02475	0.01345	0.04	No	22	0.02009	0.01101	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-24	0.0082	0.0057	0.04	No	23	0.00783	0.003041	13.04	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-30	0.0171	0.0012	0.04	No	22	0.008871	0.007859	4.545	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-34D	0.03	0.00098	0.04	No	11	0.0247	0.0118	81.82	None	No	0.006	NP (NDs)
Lithium (mg/L)	BGWC-35D	0.01656	0.009623	0.04	No	11	0.01309	0.004161	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-36D	0.0044	0.0011	0.04	No	11	0.003245	0.004012	9.091	None	No	0.006	NP (normality)
Lithium (mg/L)	BGWC-37D	0.03167	0.001954	0.04	No	7	0.01506	0.01484	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-38D	0.01721	0.006114	0.04	No	8	0.01166	0.005235	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-39	0.005573	0.003027	0.04	No	8	0.0043	0.001201	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-40	0.03	0.00079	0.04	No	7	0.01336	0.01557	42.86	None	No	0.008	NP (normality)
Lithium (mg/L)	BGWC-41D	0.002421	0.001086	0.04	No	6	0.001753	0.0004861	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-42D	0.03	0.0012	0.04	No	5	0.00728	0.01271	20	None	No	0.031	NP (normality)
Lithium (mg/L)	BGWC-43D	0.02989	0.02211	0.04	No	6	0.026	0.002828	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-44D	0.004092	0.001908	0.04	No	6	0.003	0.000795	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-49D	0.01194	0.00386	0.04	No	4	0.0079	0.00178	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-51	0.03	0.0011	0.04	No	6	0.0113	0.01451	33.33	None	No	0.0155	NP (normality)
Lithium (mg/L)	BGWC-52	0.004071	0.0009538	0.04	No	6	0.002913	0.001209	0	None	x^3	0.01	Param.
Lithium (mg/L)	BGWC-7	0.0093	0.0074	0.04	No	22	0.009114	0.003717	4.545	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-8	0.03	0.001	0.04	No	22	0.02868	0.006183	95.45	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-9	0.05	0.0013	0.04	No	21	0.0176	0.02348	33.33	None	No	0.01	NP (normality)
Mercury (mg/L)	BGWA-6	0.0002	0.000084	0.002	No	18	0.0001936	0.00002734	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-10	0.0002	0.0001	0.002	No	20	0.0001874	0.00003969	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-12	0.0002	0.0001	0.002	No	20	0.0001879	0.00003786	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-14A	0.0002	0.00016	0.002	No	13	0.0001969	0.00001109	92.31	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-16	0.0002	0.000098	0.002	No	20	0.0001949	0.00002281	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-17	0.0002303	0.0001435	0.002	No	20	0.0002065	0.0000673	20	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	BGWC-18	0.0002	0.000079	0.002	No	20	0.0001939	0.00002706	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-19	0.0002	0.00008	0.002	No	20	0.0001865	0.00004184	90	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	BGWC-20	0.0002	0.000066	0.002	No	20	0.0001933	0.00002996	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-22	0.0002	0.000092	0.002	No	20	0.0001867	0.00004173	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-23	0.0002	0.00005	0.002	No	20	0.0001847	0.0000471	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-24	0.0009178	0.0001149	0.002	No	21	0.001025	0.001482	19.05	Kaplan-Meier	x^(1/3)	0.01	Param.
Mercury (mg/L)	BGWC-25	0.0002	0.000047	0.002	No	20	0.0001923	0.00003421	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-30	0.0002	0.00008	0.002	No	20	0.0001505	0.0000639	60	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-31	0.0002	0.0002	0.002	No	10	0.000195	0.00001581	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	BGWC-34D	0.0002	0.0002	0.002	No	10	0.000194	0.00001897	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	BGWC-35D	0.0002	0.0002	0.002	No	10	0.000196	0.00001265	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	BGWC-36D	0.0002	0.0002	0.002	No	10	0.000198	0.000006325	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	BGWC-38D	0.00028	0.0001	0.002	No	8	0.0001875	0.00005548	62.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	BGWC-44D	0.0002	0.00017	0.002	No	6	0.000195	0.00001225	83.33	None	No	0.0155	NP (NDs)
Mercury (mg/L)	BGWC-51	0.0046	0.0002	0.002	No	6	0.001958	0.001738	16.67	None	No	0.0155	NP (selected)
Mercury (mg/L)	BGWC-52	0.0002	0.00019	0.002	No	6	0.0001983	0.000004082	83.33	None	No	0.0155	NP (NDs)
Mercury (mg/L)	BGWC-7	0.0002	0.000053	0.002	No	20	0.0001926	0.00003287	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-8	0.0002	0.00016	0.002	No	20	0.0001928	0.00002426	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-9	0.0002	0.00016	0.002	No	19	0.0001916	0.00002853	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWA-6	0.01	0.001	0.1	No	19	0.009014	0.002957	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-10	0.0036	0.0032	0.1	No	22	0.003573	0.0008172	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-14A	0.01	0.0011	0.1	No	13	0.003642	0.00373	23.08	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-19	0.01	0.00023	0.1	No	22	0.009556	0.002083	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-20	0.018	0.0127	0.1	No	22	0.01668	0.005584	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-21	0.002691	0.001651	0.1	No	21	0.004257	0.003424	23.81	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-22	0.0662	0.04	0.1	No	25	0.05243	0.01338	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-23	0.01272	0.01107	0.1	No	24	0.01179	0.001785	0	None	x^2	0.01	Param.
Molybdenum (mg/L)	BGWC-24	0.01	0.0024	0.1	No	25	0.006106	0.003993	48	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-25	0.01	0.0029	0.1	No	22	0.00743	0.003605	63.64	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-30	0.01246	0.005382	0.1	No	24	0.0099	0.00711	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-31	0.01	0.01	0.1	No	11	0.009121	0.002916	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	BGWC-32	0.00394	0.003144	0.1	No	12	0.003542	0.0005071	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-34D	0.0021	0.0009	0.1	No	11	0.001455	0.001226	9.091	None	No	0.006	NP (normality)
Molybdenum (mg/L)	BGWC-35D	0.03651	0.02749	0.1	No	12	0.032	0.005752	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-36D	0.01368	0.007682	0.1	No	12	0.01068	0.003825	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-37D	0.02191	0.008686	0.1	No	9	0.01556	0.00972	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-38D	0.1215	0.08794	0.1	No	10	0.1047	0.01878	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-39	0.008619	0.003706	0.1	No	8	0.006163	0.002318	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-40	0.01	0.00069	0.1	No	8	0.006661	0.004612	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	BGWC-41D	0.01419	0.006295	0.1	No	7	0.01024	0.003324	14.29	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-42D	0.01934	0.005113	0.1	No	8	0.01223	0.00671	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2157	0.1354	0.1	Yes	9	0.1756	0.04157	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-44D	0.009337	0.001006	0.1	No	7	0.005171	0.003507	14.29	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-49D	0.007899	0.004001	0.1	No	4	0.00595	0.0008583	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-50D	0.005192	0.001058	0.1	No	4	0.003125	0.0009106	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-51	0.01	0.0027	0.1	No	6	0.008783	0.00298	83.33	None	No	0.0155	NP (NDs)
Molybdenum (mg/L)	BGWC-52	0.0053	0.0035	0.1	No	6	0.004067	0.0006346	0	None	No	0.0155	NP (normality)
Molybdenum (mg/L)	BGWC-7	0.0117	0.0098	0.1	No	22	0.01039	0.002555	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-8	0.002599	0.00121	0.1	No	22	0.004297	0.003786	27.27	Kaplan-Meier	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	BGWC-9	0.003323	0.002715	0.1	No	21	0.003019	0.000551	0	None	No	0.01	Param.
Selenium (mg/L)	BGWA-6	0.005	0.0032	0.05	No	18	0.004639	0.001161	88.89	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-12	0.005	0.0004	0.05	No	20	0.00477	0.001029	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-14A	0.005	0.0014	0.05	No	13	0.004723	0.0009985	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-16	0.005	0.0018	0.05	No	20	0.003725	0.001665	60	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-17	0.005	0.0022	0.05	No	20	0.004233	0.001603	80	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-18	0.005	0.001	0.05	No	20	0.0048	0.0008944	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-19	0.005	0.0013	0.05	No	20	0.004365	0.001557	85	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	BGWC-20	0.005	0.0037	0.05	No	20	0.004935	0.0002907	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-21	0.005	0.001	0.05	No	19	0.004533	0.001408	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-22	0.012	0.0026	0.05	No	20	0.00507	0.001848	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-23	0.0176	0.002	0.05	No	20	0.00548	0.00293	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-24	0.009913	0.003819	0.05	No	21	0.008971	0.008885	14.29	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-30	0.009712	0.005758	0.05	No	20	0.007735	0.003482	10	None	No	0.01	Param.
Selenium (mg/L)	BGWC-31	0.005	0.005	0.05	No	10	0.004508	0.001556	90	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-32	0.005	0.005	0.05	No	10	0.004515	0.001534	90	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-34D	0.005	0.005	0.05	No	10	0.00451	0.00155	90	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-36D	0.01212	0.005576	0.05	No	10	0.00885	0.00367	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-38D	0.005	0.003	0.05	No	8	0.00475	0.0007071	75	None	No	0.004	NP (NDs)
Selenium (mg/L)	BGWC-39	0.005	0.002	0.05	No	8	0.00425	0.001389	75	None	No	0.004	NP (NDs)
Selenium (mg/L)	BGWC-40	0.01004	0.003687	0.05	No	8	0.006863	0.002996	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-41D	0.005	0.0016	0.05	No	6	0.003867	0.001756	66.67	None	No	0.0155	NP (NDs)
Selenium (mg/L)	BGWC-42D	0.005	0.0022	0.05	No	6	0.00415	0.001326	66.67	None	No	0.0155	NP (NDs)
Selenium (mg/L)	BGWC-43D	0.005	0.0028	0.05	No	6	0.004633	0.0008981	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	BGWC-51	0.01488	0.0004256	0.05	No	6	0.009633	0.004643	0	None	x^2	0.01	Param.
Selenium (mg/L)	BGWC-52	0.005	0.0016	0.05	No	6	0.0039	0.001705	66.67	None	No	0.0155	NP (NDs)
Selenium (mg/L)	BGWC-8	0.005	0.00015	0.05	No	20	0.00451	0.001509	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-9	0.005	0.0014	0.05	No	19	0.003379	0.00198	57.89	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWA-6	0.001	0.000061	0.002	No	19	0.0005635	0.0004734	52.63	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-12	0.001	0.00009	0.002	No	22	0.0007901	0.0003962	77.27	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-14A	0.000488	0.0002305	0.002	No	13	0.0003592	0.0001732	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-16	0.00024	0.0002	0.002	No	22	0.0002241	0.00003347	0	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-17	0.001	0.000085	0.002	No	22	0.0005936	0.0004575	54.55	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-18	0.001	0.000071	0.002	No	22	0.0008727	0.000328	86.36	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-19	0.001	0.000085	0.002	No	22	0.0007125	0.0004316	68.18	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-20	0.001	0.00025	0.002	No	22	0.0009295	0.0002282	90.91	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-22	0.0008177	0.0006186	0.002	No	22	0.0007182	0.0001855	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-23	0.001	0.00039	0.002	No	22	0.000775	0.0003552	68.18	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-24	0.0005643	0.0004218	0.002	No	23	0.000493	0.0001363	13.04	None	No	0.01	Param.
Thallium (mg/L)	BGWC-30	0.0004833	0.0002275	0.002	No	22	0.0006044	0.0003214	22.73	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	BGWC-32	0.001	0.00013	0.002	No	11	0.0004031	0.0003955	27.27	None	No	0.006	NP (normality)
Thallium (mg/L)	BGWC-34D	0.001	0.001	0.002	No	11	0.0009172	0.0002747	90.91	None	No	0.006	NP (NDs)
Thallium (mg/L)	BGWC-35D	0.001	0.00016	0.002	No	11	0.0007007	0.0004177	63.64	None	No	0.006	NP (NDs)
Thallium (mg/L)	BGWC-36D	0.0002674	0.0001526	0.002	No	11	0.00021	0.00006885	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-38D	0.001086	0.00001754	0.002	No	8	0.0009195	0.0008227	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-39	0.001	0.00013	0.002	No	8	0.0004	0.0003731	25	None	No	0.004	NP (normality)
Thallium (mg/L)	BGWC-40	0.001	0.00014	0.002	No	8	0.0008925	0.0003041	87.5	None	No	0.004	NP (NDs)
Thallium (mg/L)	BGWC-43D	0.003439	0.001394	0.002	No	6	0.002417	0.0007441	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-51	0.001	0.0002	0.002	No	6	0.0007667	0.000367	66.67	None	No	0.0155	NP (NDs)
Thallium (mg/L)	BGWC-52	0.0004527	0.0002038	0.002	No	6	0.0005483	0.0003594	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-7	0.001	0.00023	0.002	No	22	0.000697	0.0004139	63.64	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-9	0.001	0.00022	0.002	No	21	0.0008793	0.0003041	85.71	Kaplan-Meier	No	0.01	NP (NDs)

Appendix IV Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 2:04 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	BGWC-22	0.004271	236	111	Yes	25	0	n/a	n/a	0.01	NP

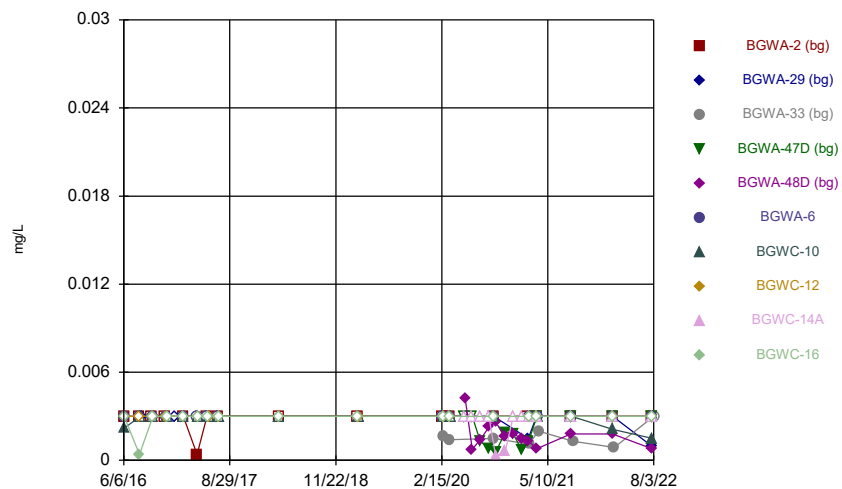
Appendix IV Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 2:04 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	BGWA-2 (bg)	0	42	92	No	22	50	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	18	92	No	22	59.09	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-33 (bg)	0.0004148	10	30	No	10	20	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	10	43	No	13	69.23	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-48D (bg)	0.0006897	22	43	No	13	38.46	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWC-34D	0	8	43	No	13	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	11	98	No	23	86.96	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-33 (bg)	0	9	30	No	10	90	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	10	43	No	13	92.31	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	11	43	No	13	84.62	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWC-22	0.004271	236	111	Yes	25	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-2 (bg)	0	22	98	No	23	47.83	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	-3	-92	No	22	95.45	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-33 (bg)	-0.003088	-28	-34	No	11	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	12	43	No	13	92.31	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.001741	-42	-43	No	13	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWC-43D	0.02402	10	25	No	9	0	n/a	n/a	0.01	NP

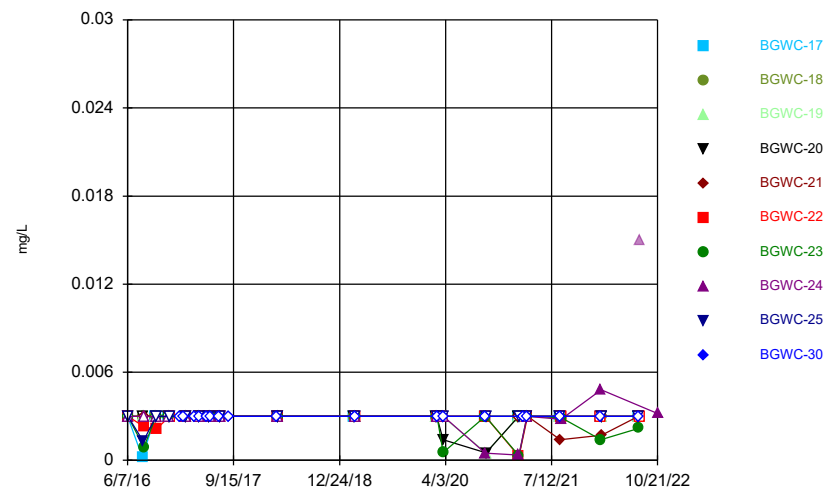
FIGURE A.

Time Series



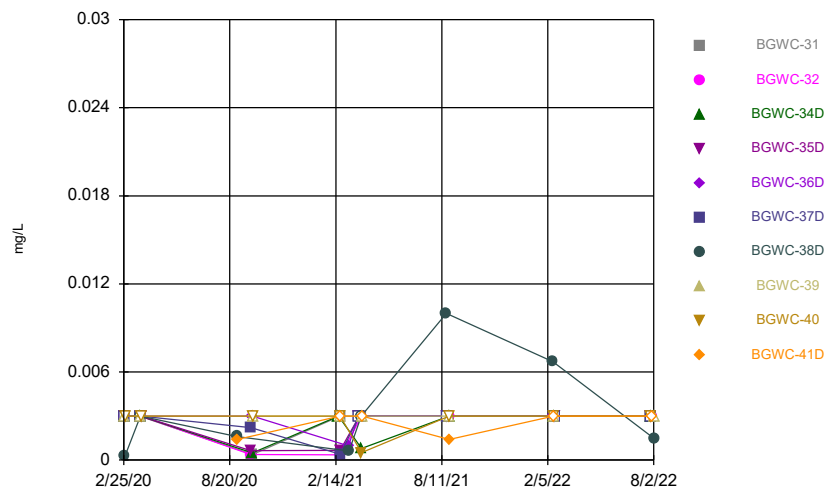
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



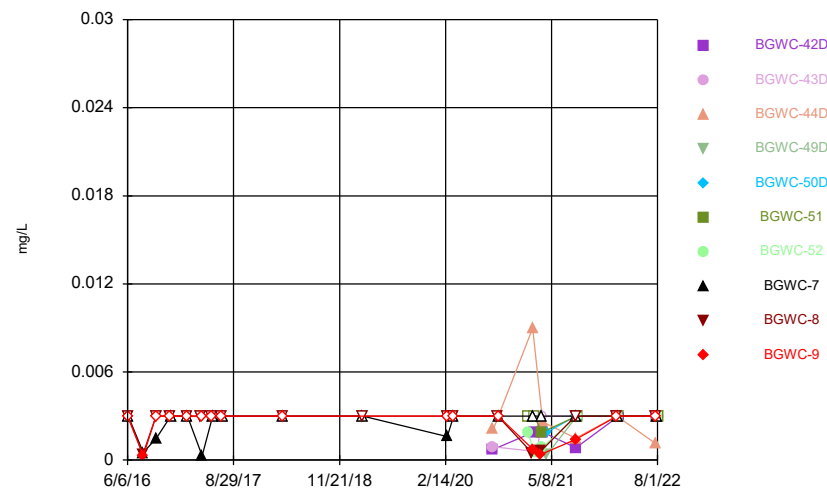
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



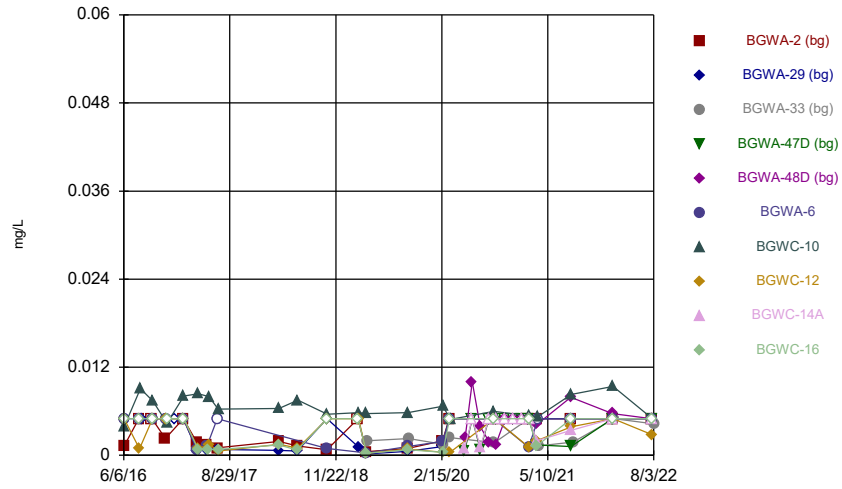
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



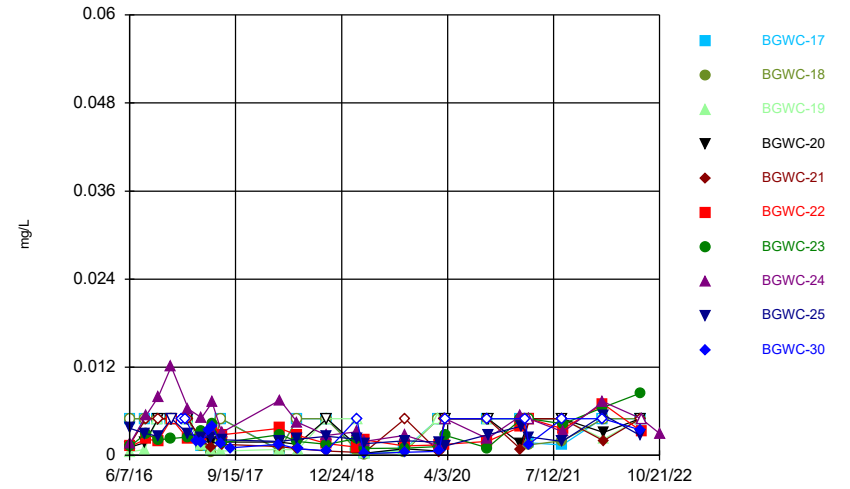
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



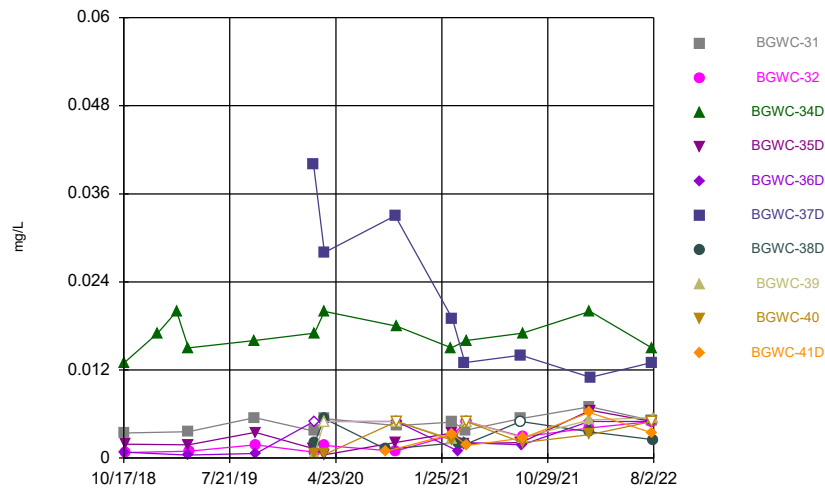
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Time Series



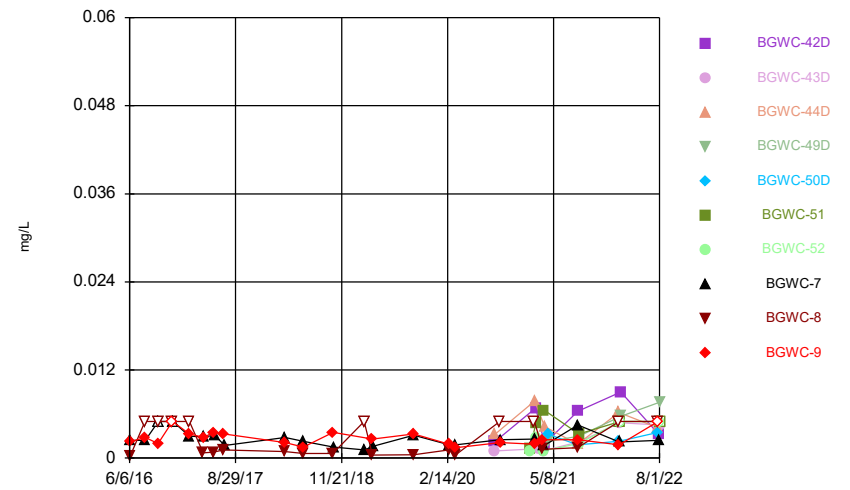
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Time Series



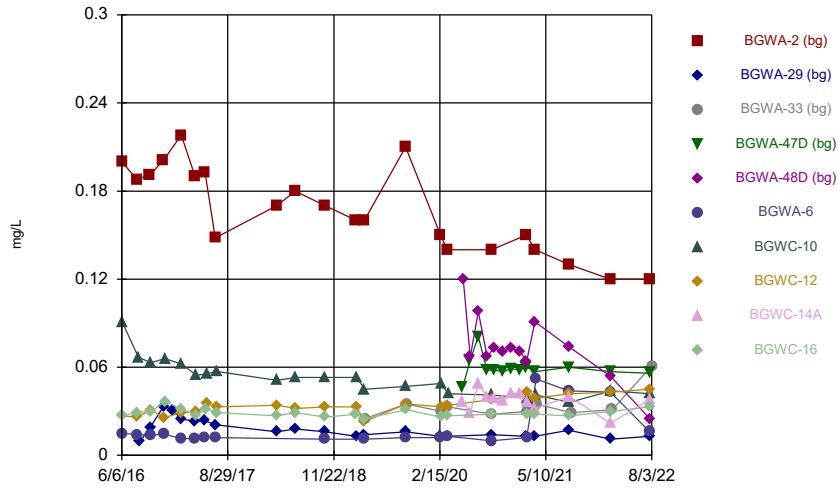
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



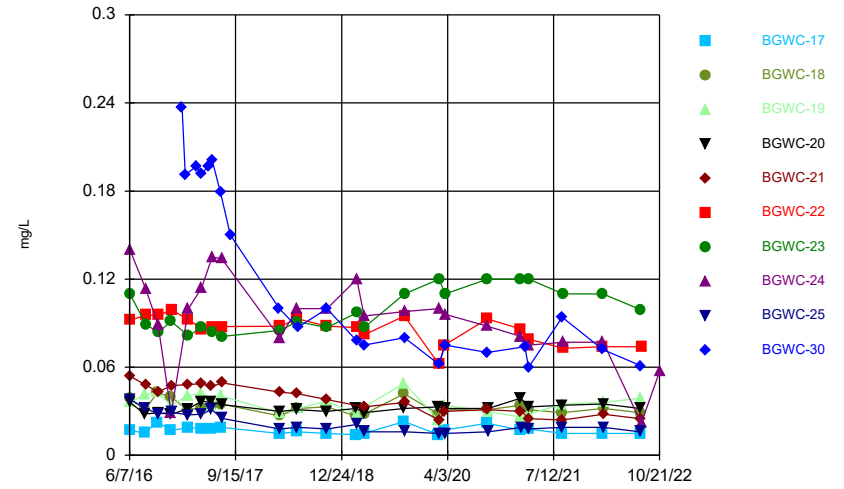
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



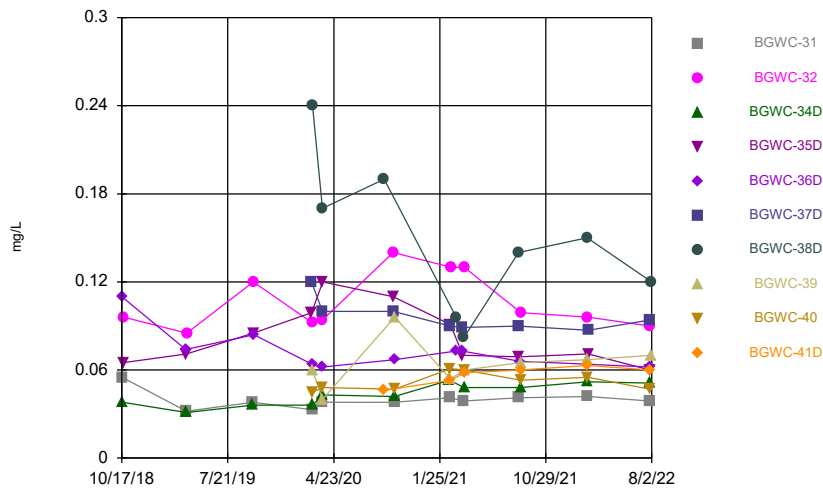
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Time Series



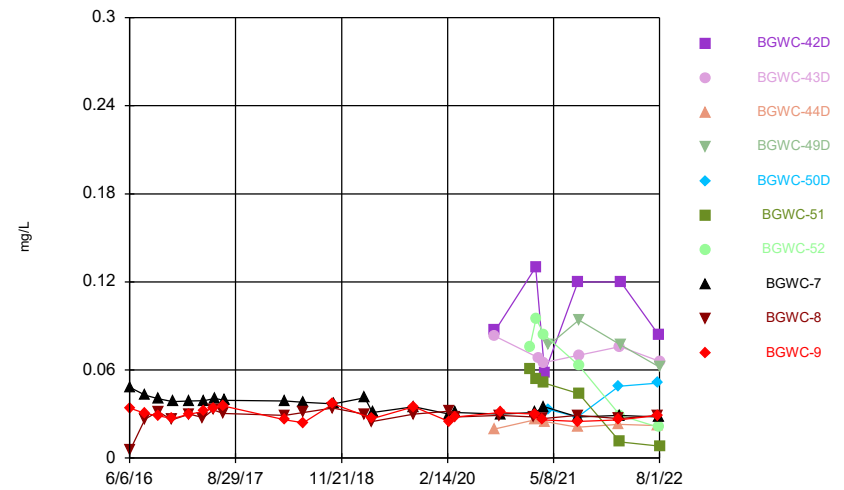
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



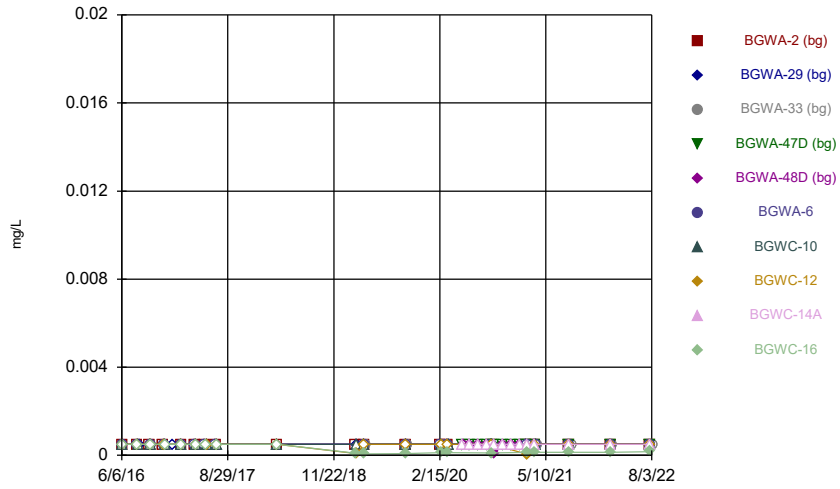
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Time Series



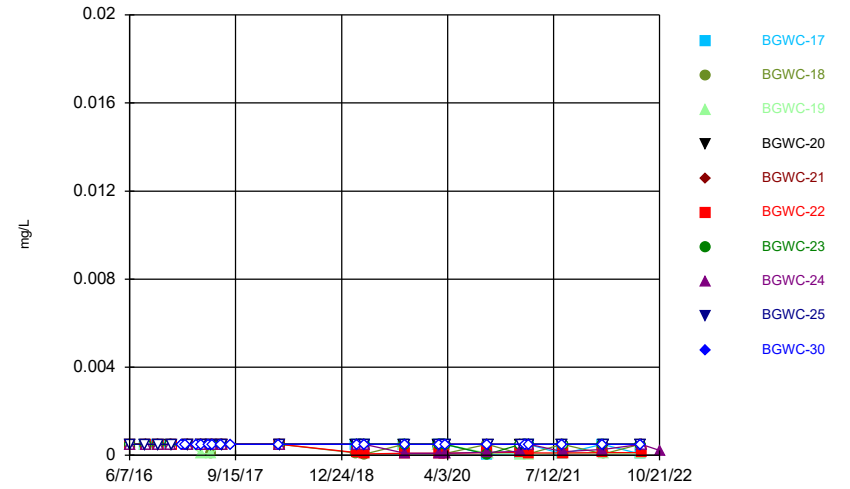
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Time Series



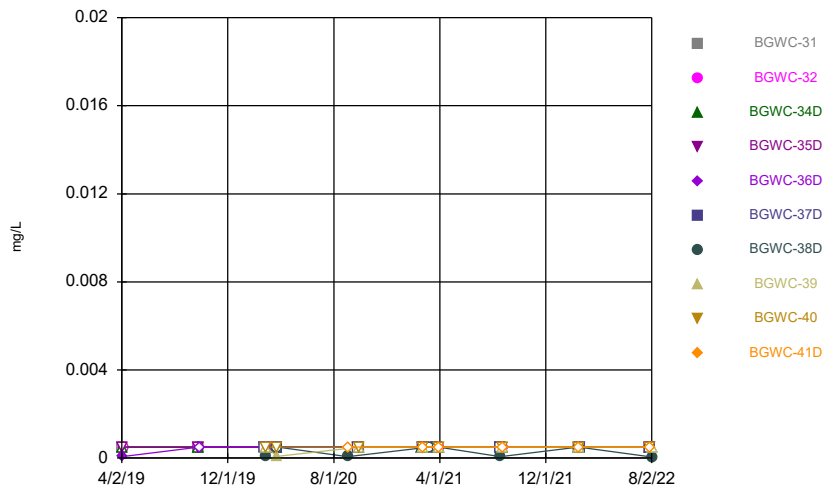
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Time Series



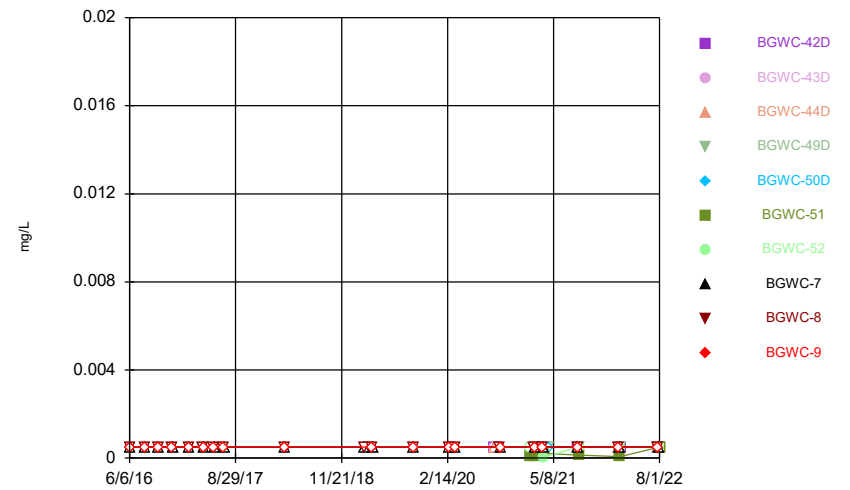
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Time Series



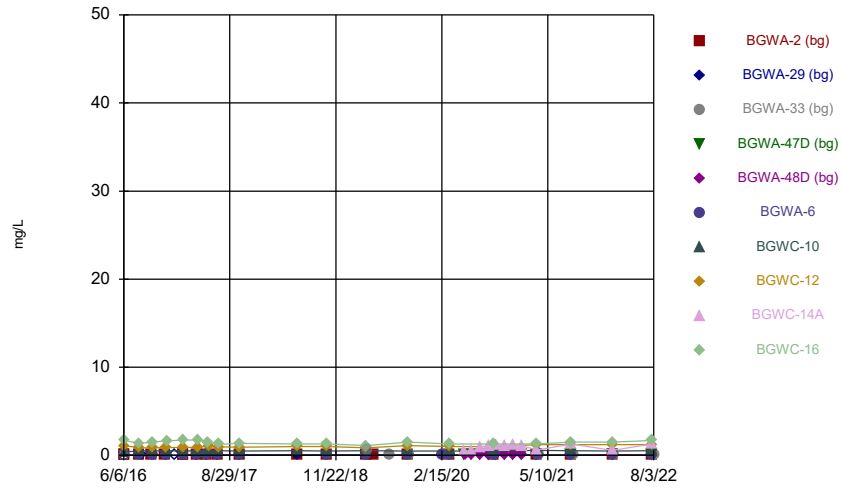
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Time Series



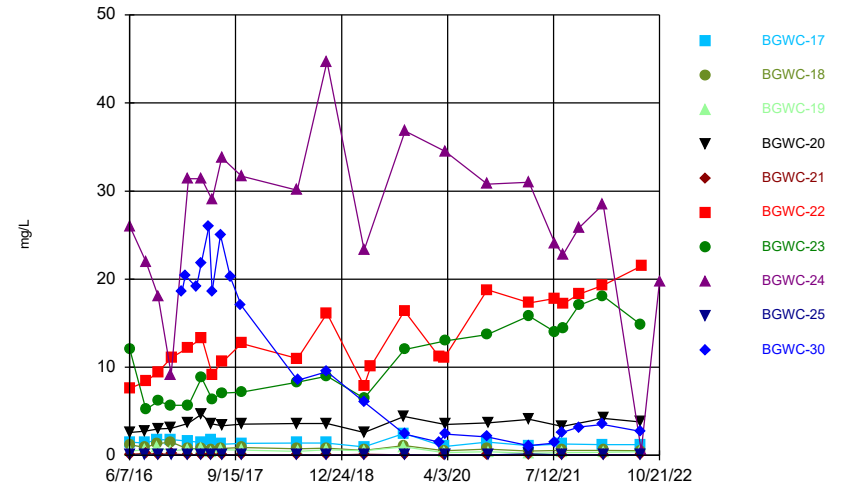
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Time Series



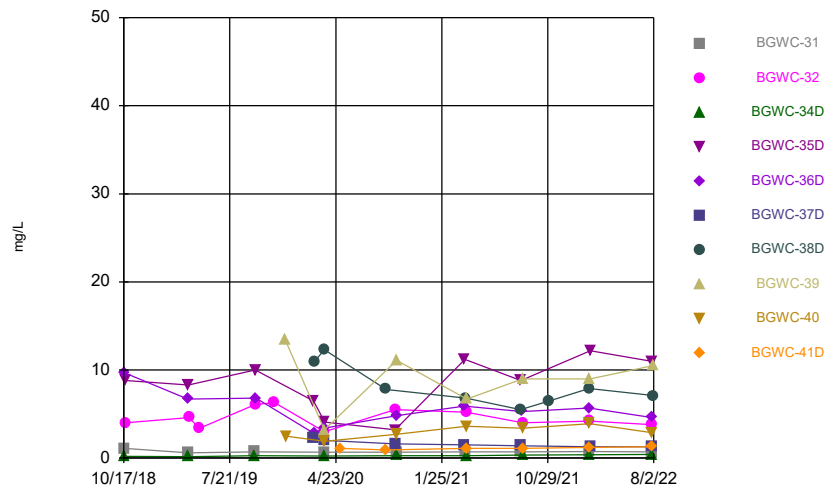
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Time Series



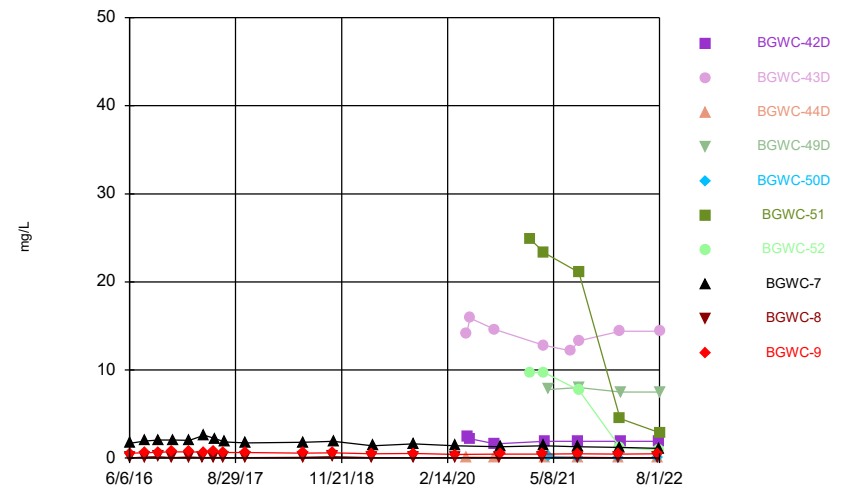
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Time Series



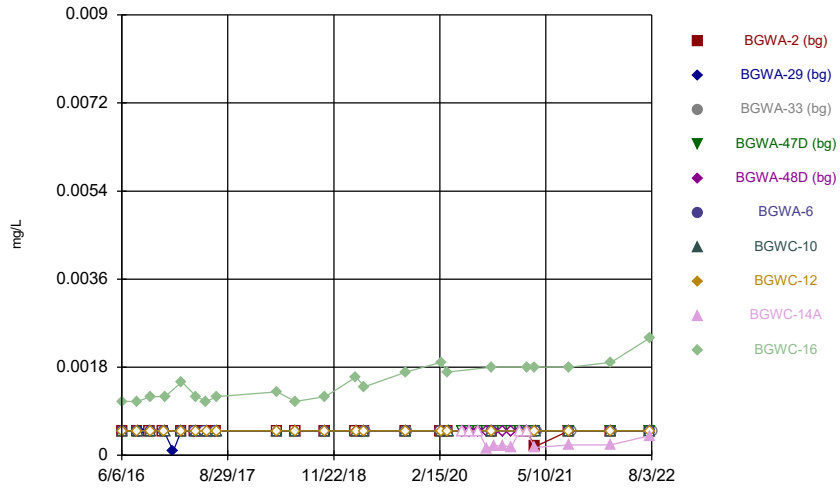
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Time Series



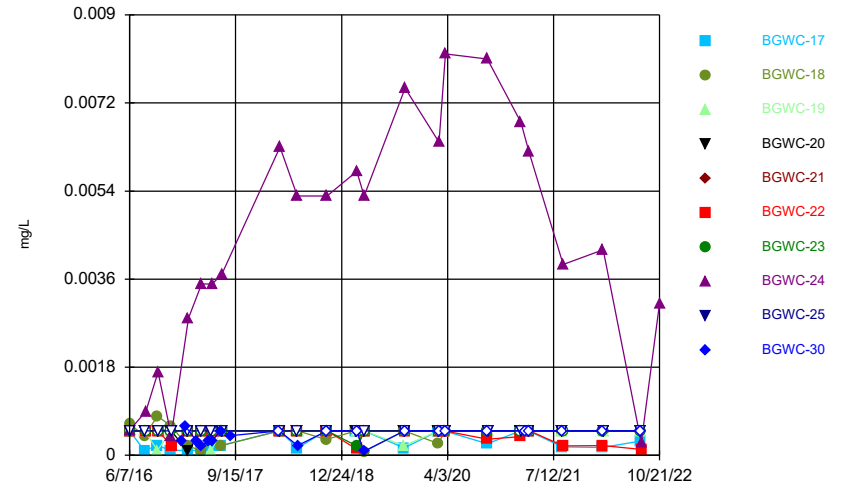
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Time Series



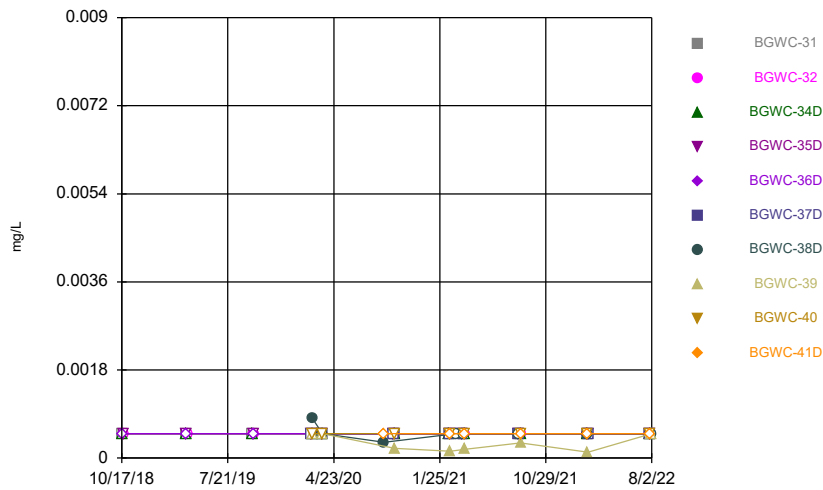
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Time Series



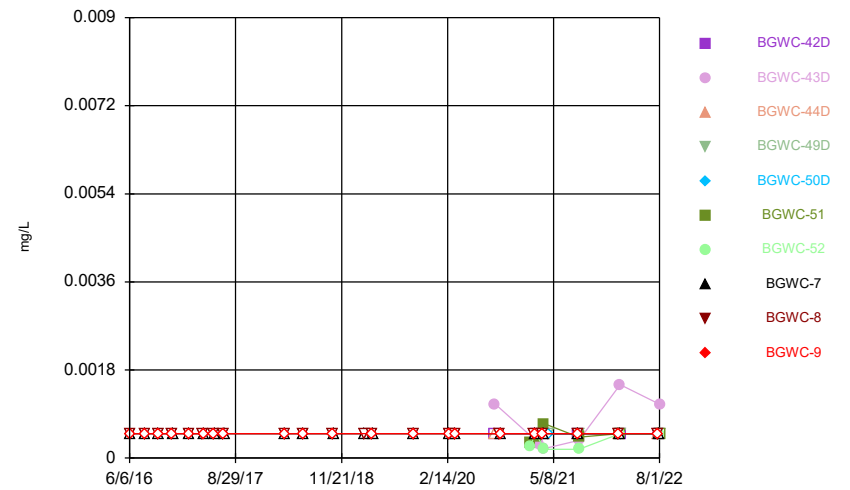
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Time Series



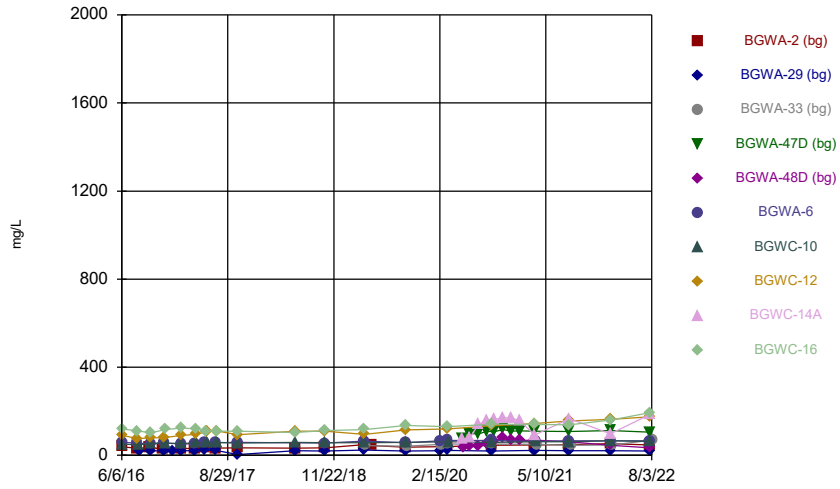
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Time Series



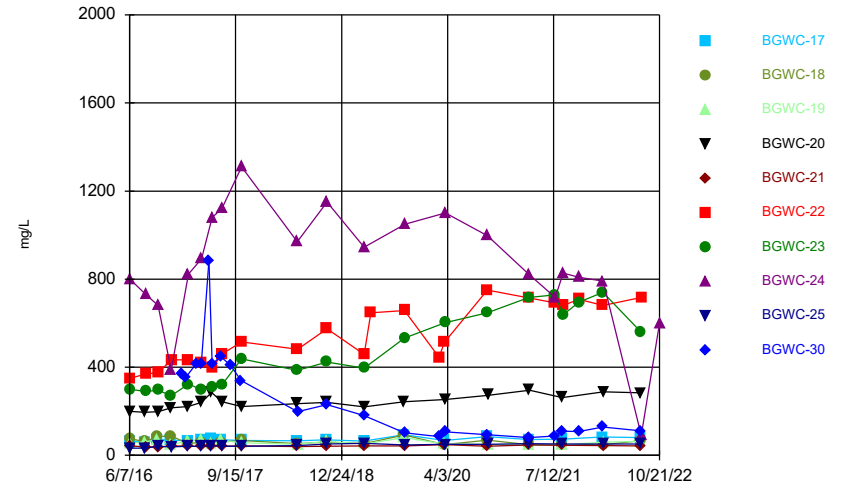
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Time Series



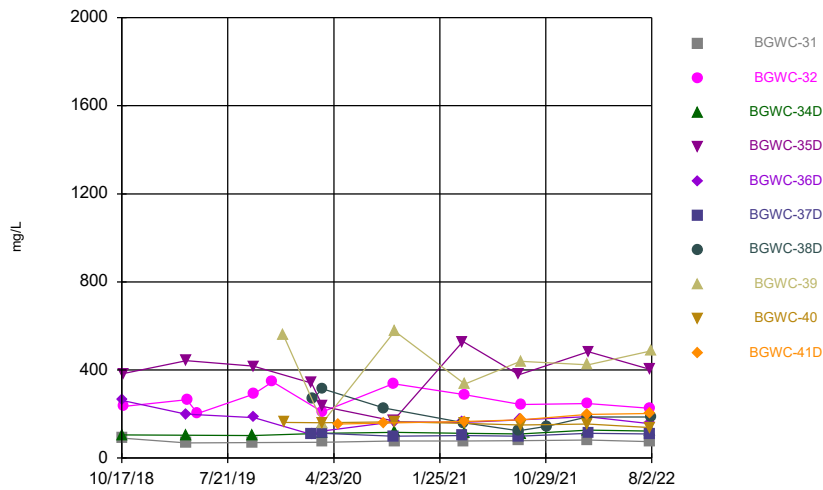
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



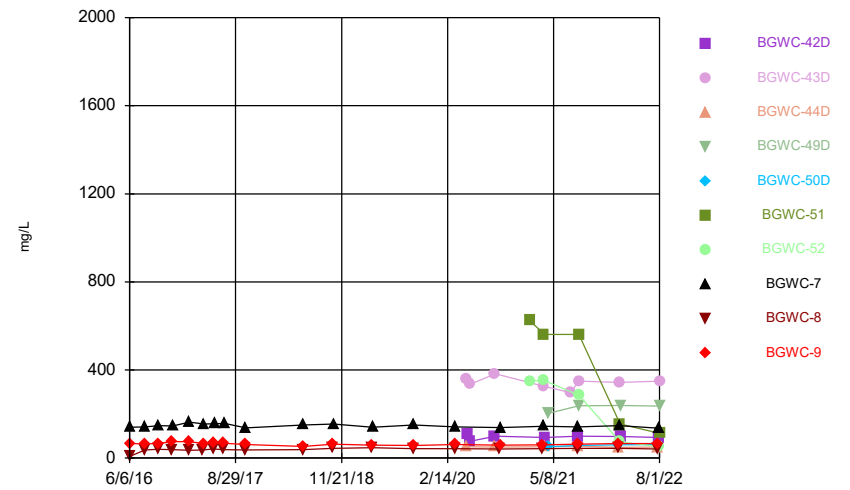
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



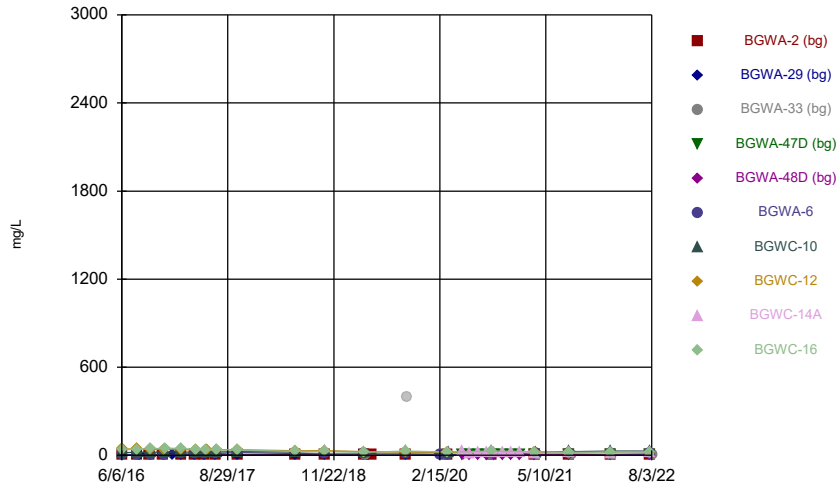
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Time Series



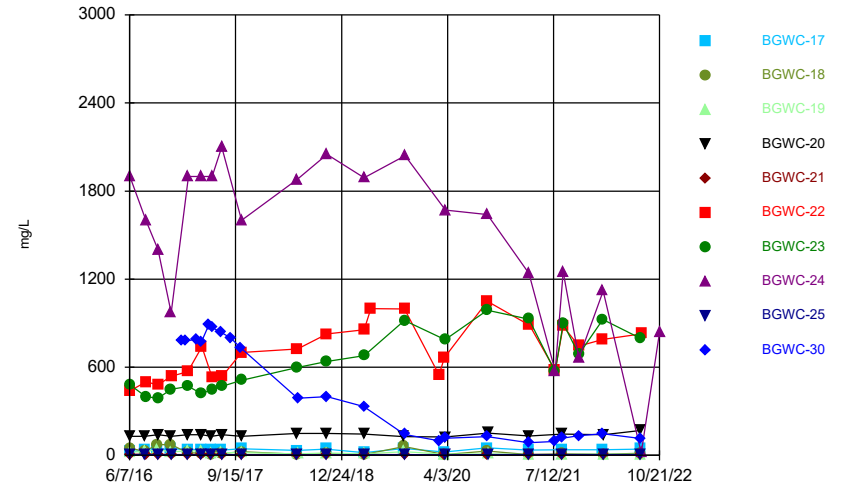
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



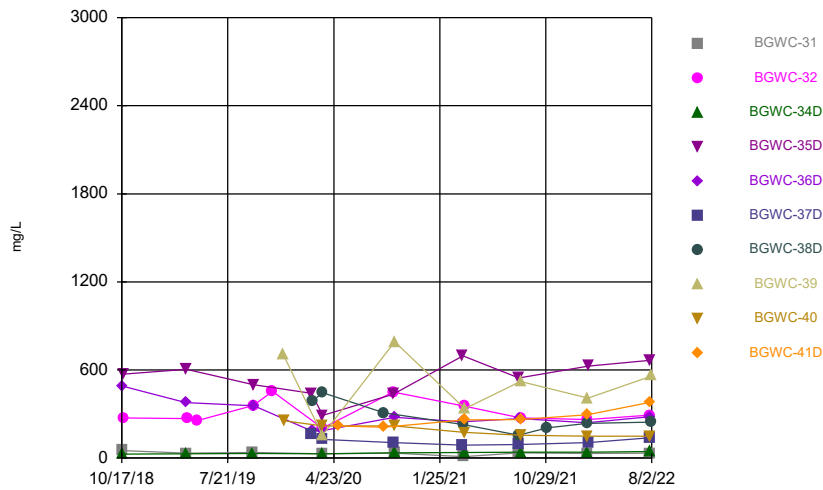
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Time Series



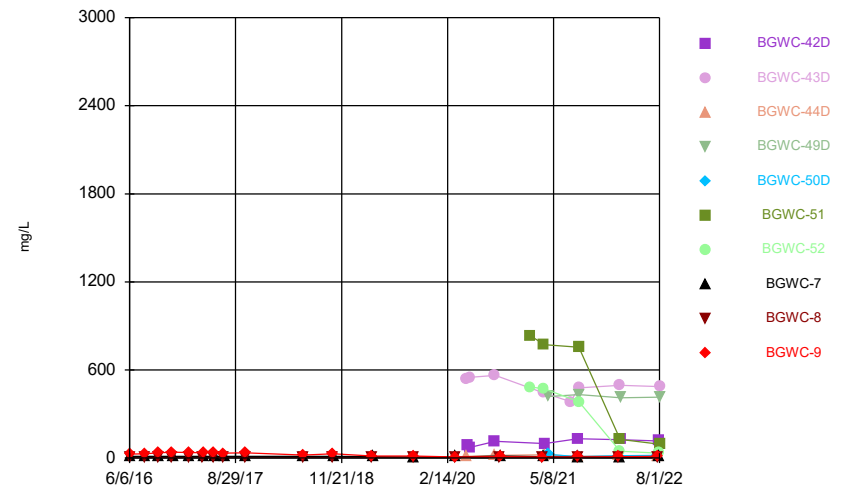
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Time Series



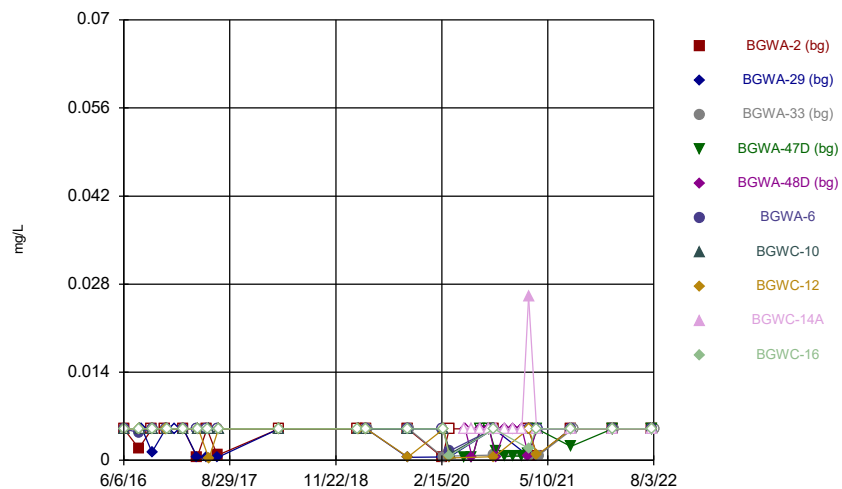
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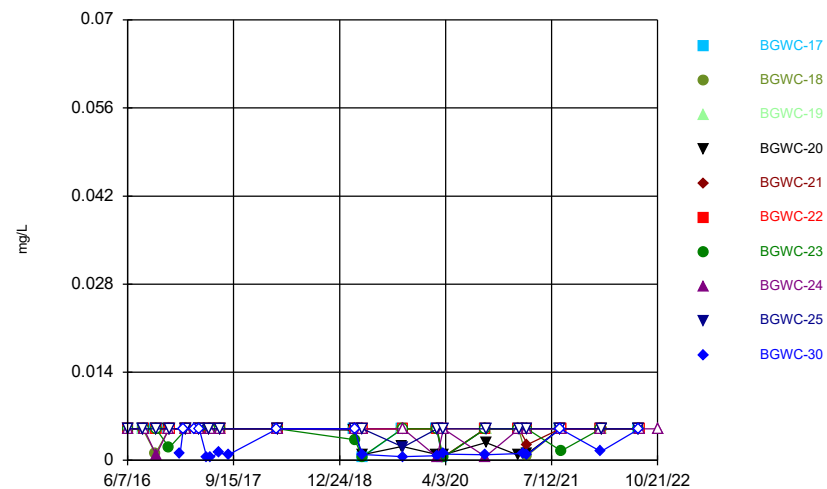
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Time Series



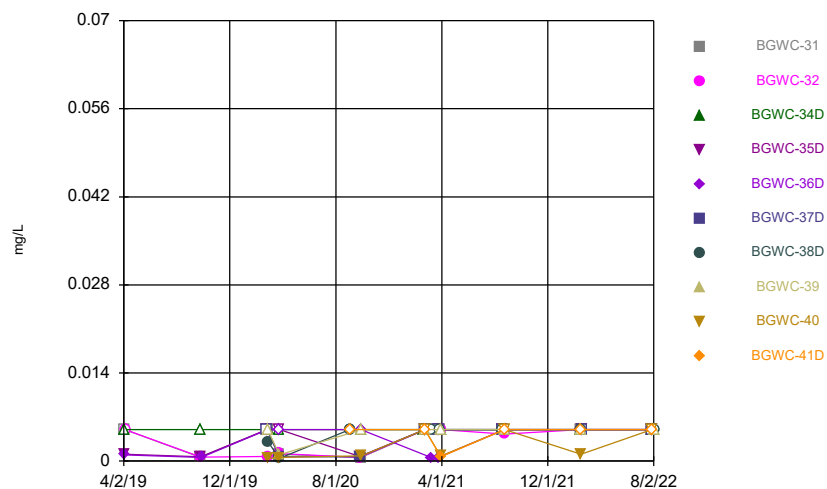
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



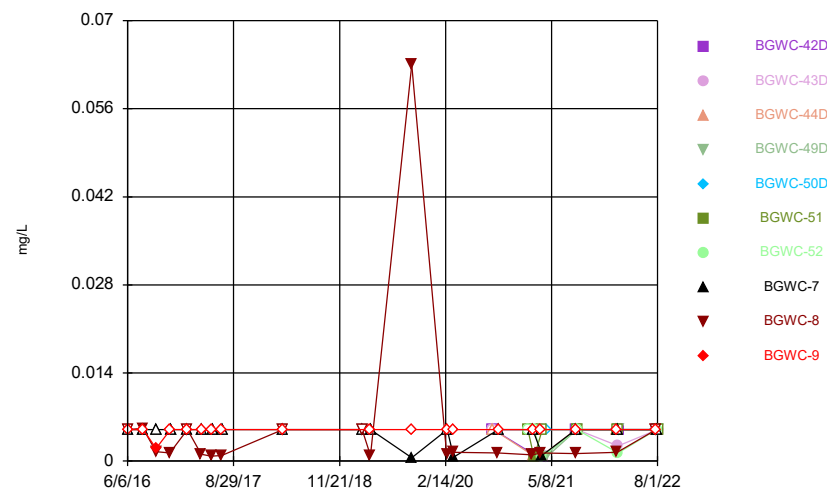
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Time Series



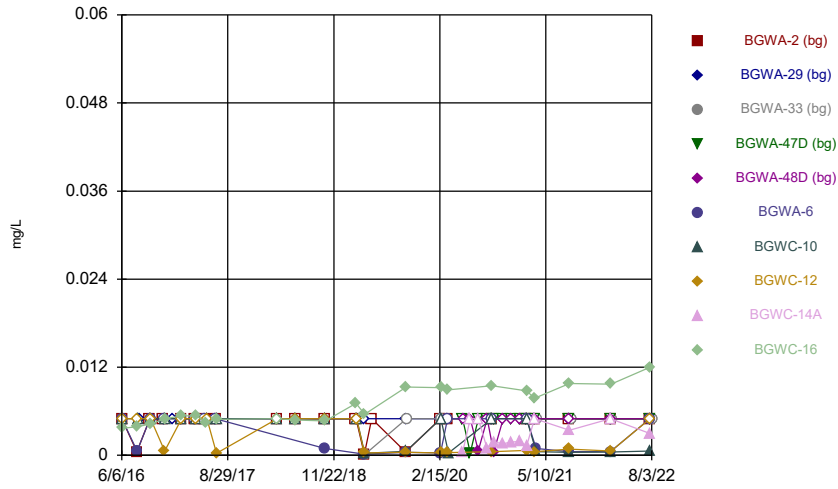
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



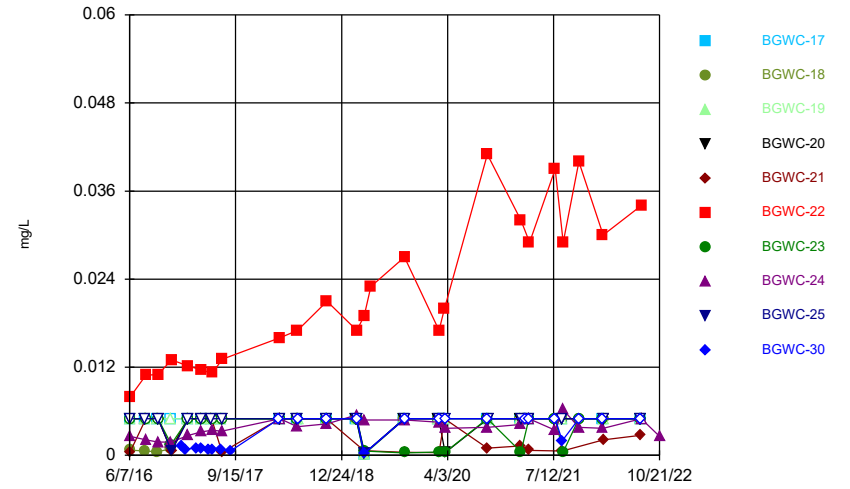
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



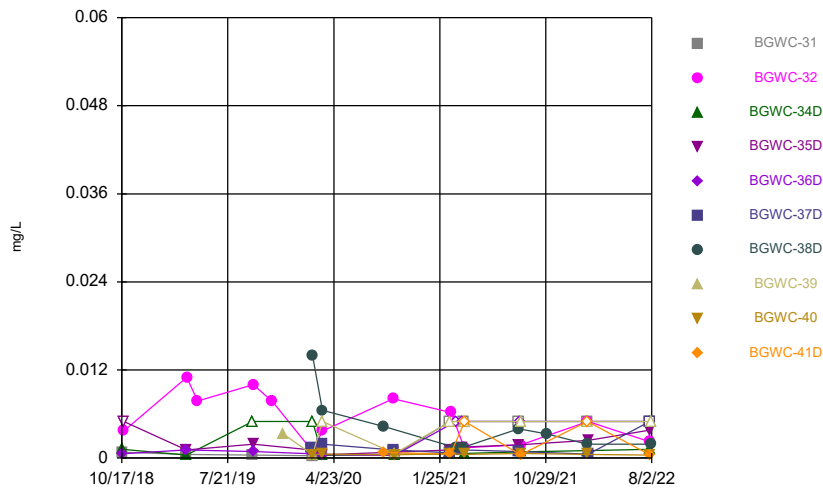
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Time Series



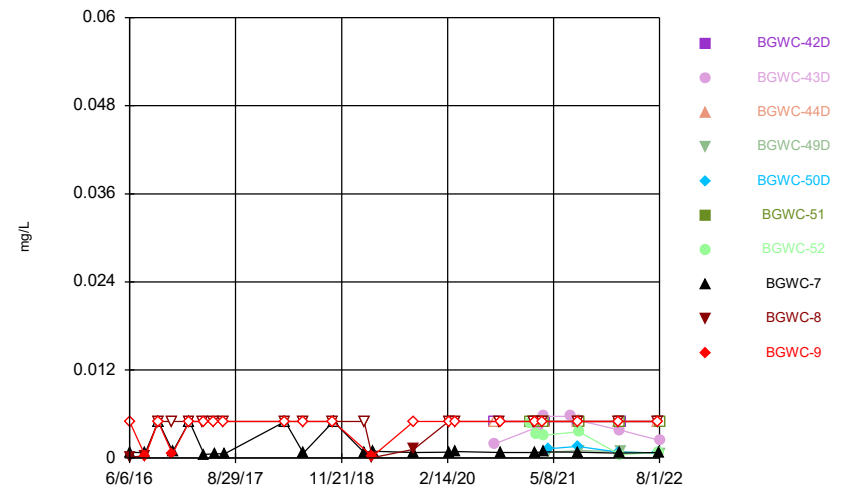
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Time Series



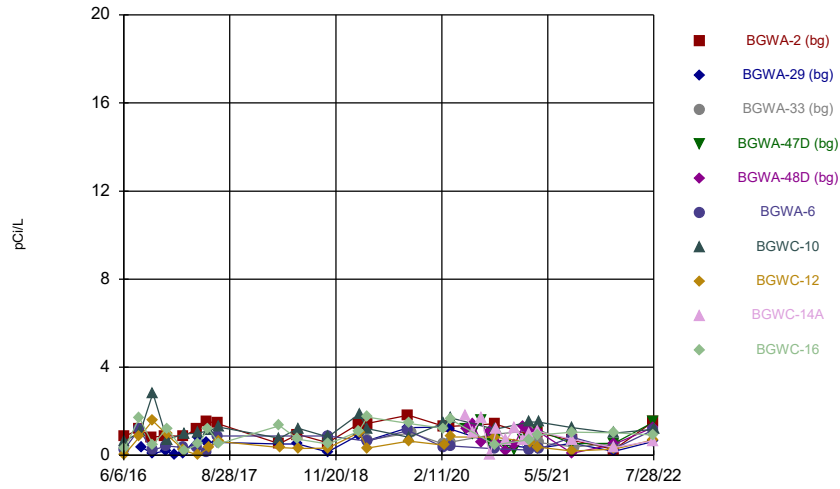
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Time Series



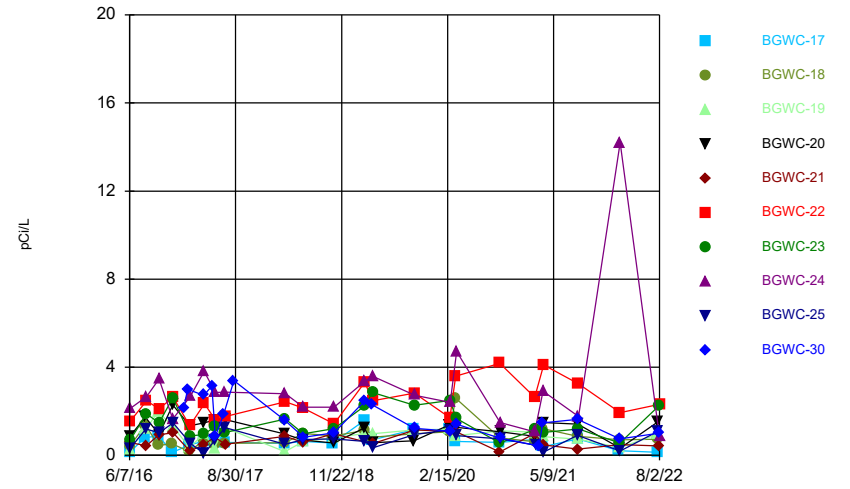
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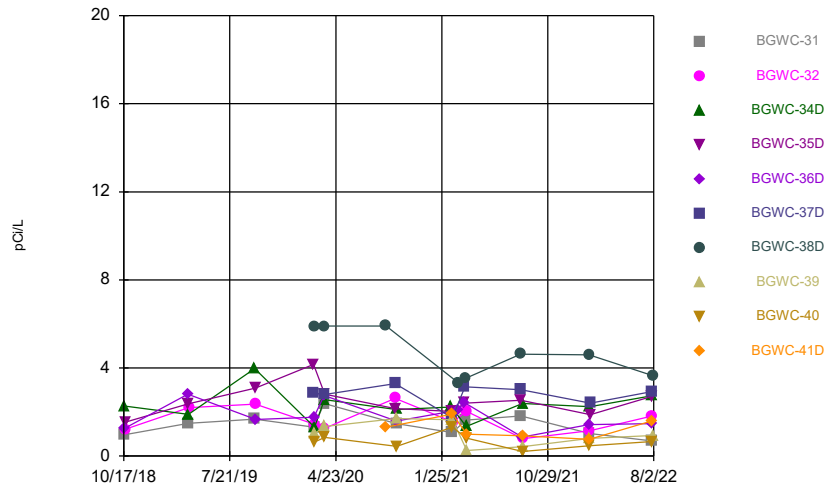
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Time Series



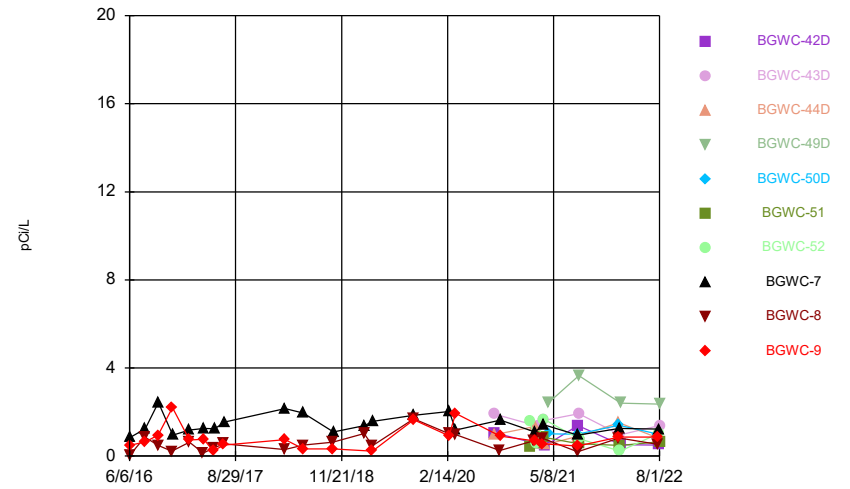
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Time Series



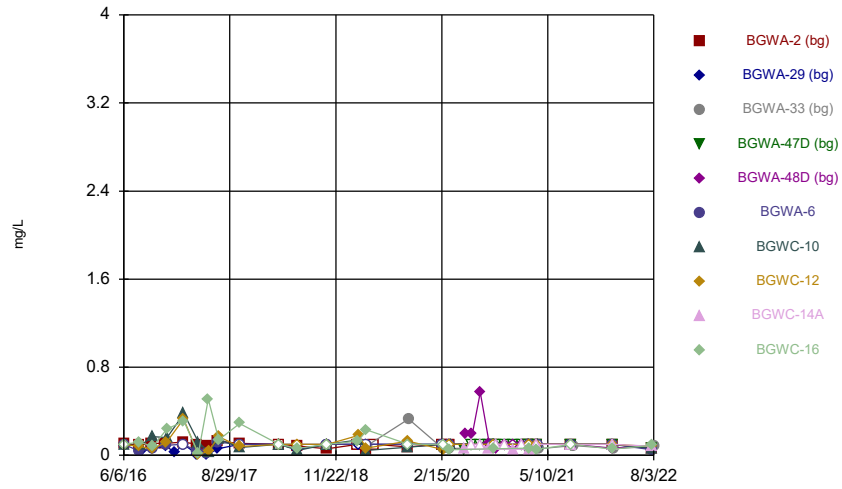
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Time Series



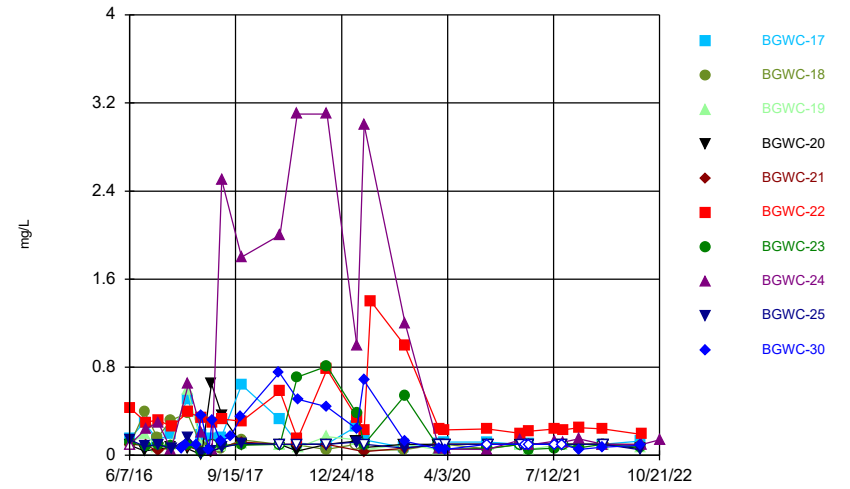
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Time Series



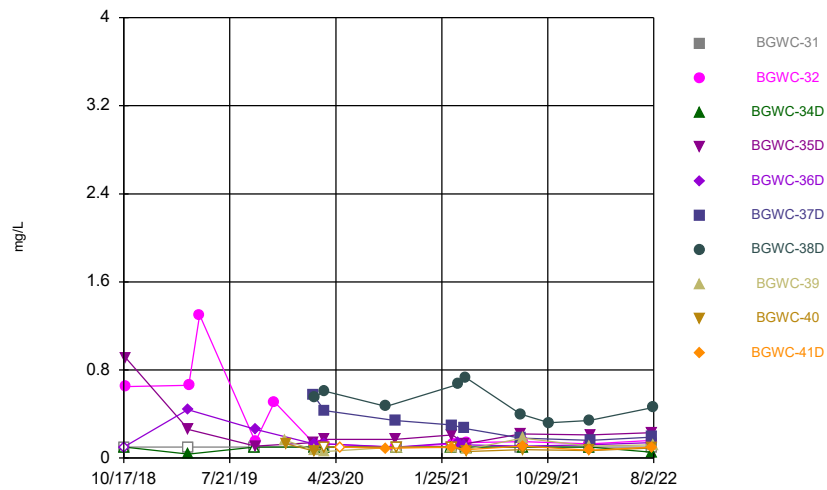
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Time Series



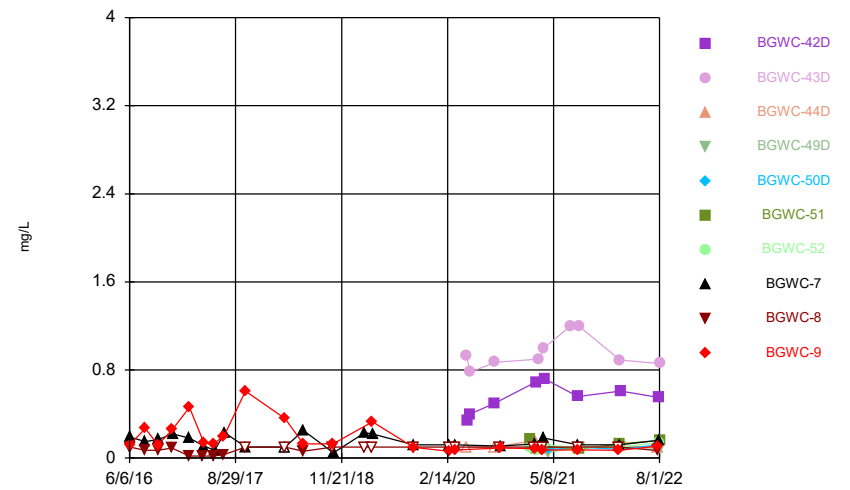
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Time Series



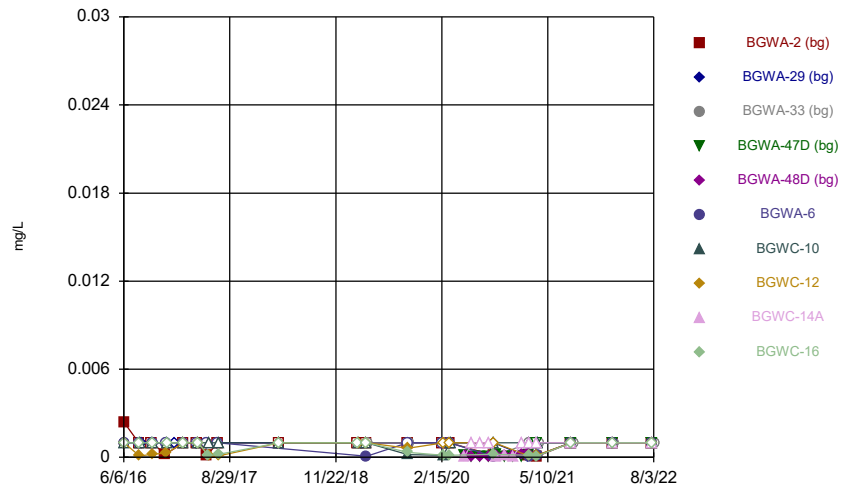
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Time Series



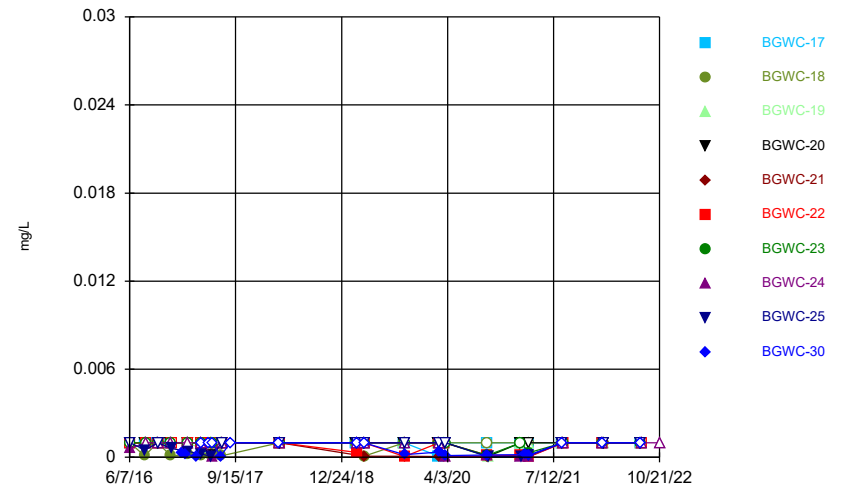
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Time Series



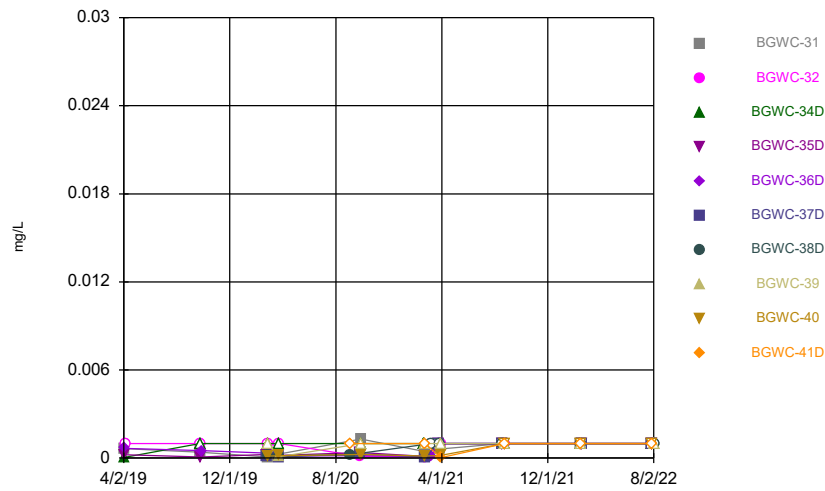
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



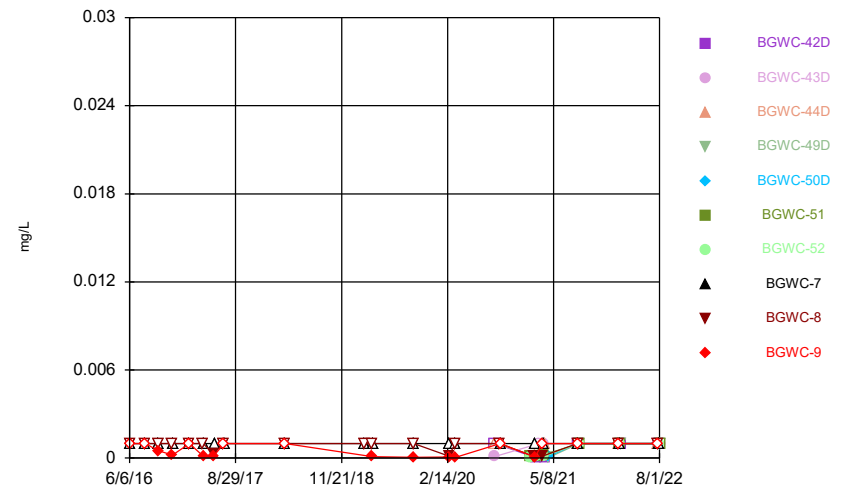
Constituent: Lead Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



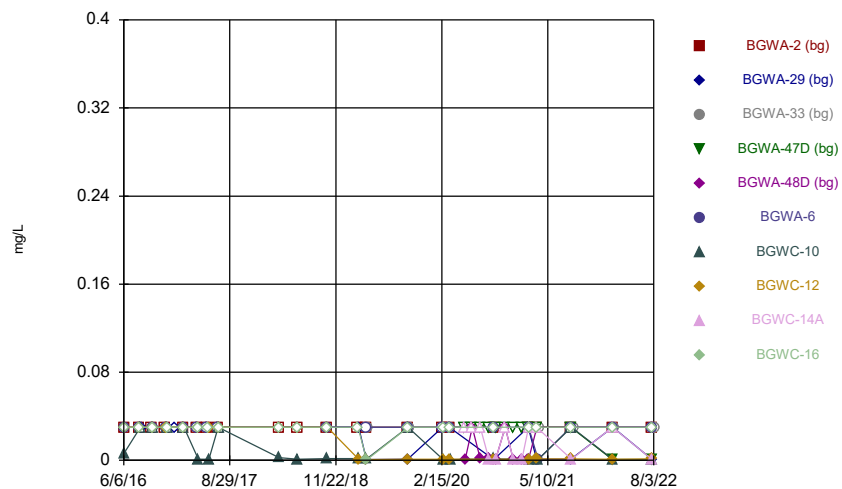
Constituent: Lead Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



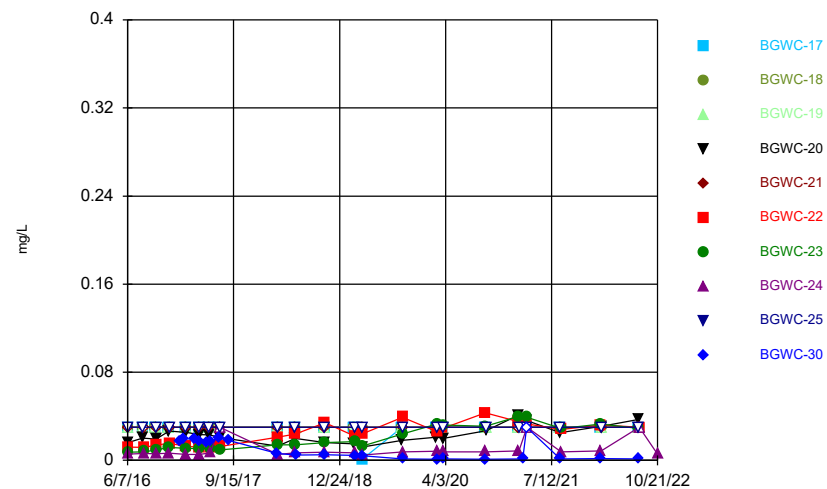
Constituent: Lead Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



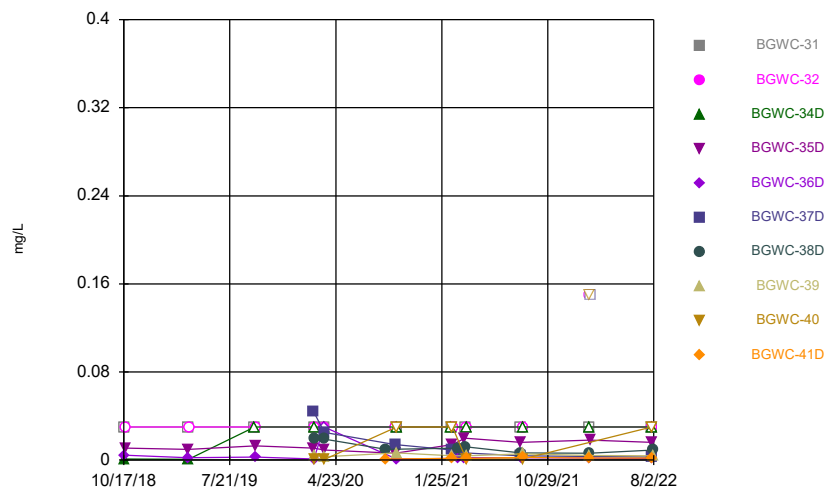
Constituent: Lithium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



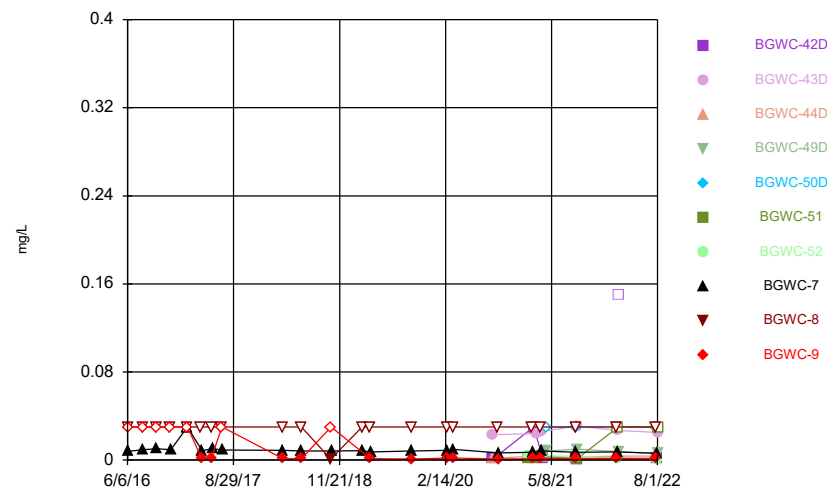
Constituent: Lithium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



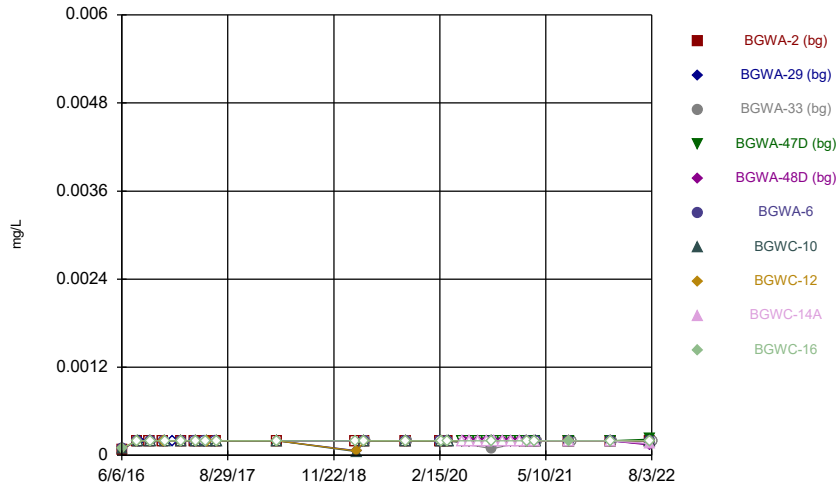
Constituent: Lithium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



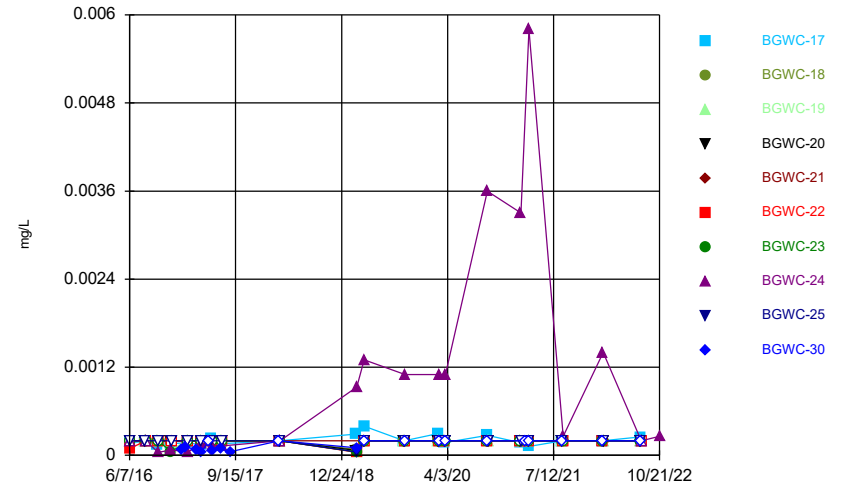
Constituent: Lithium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



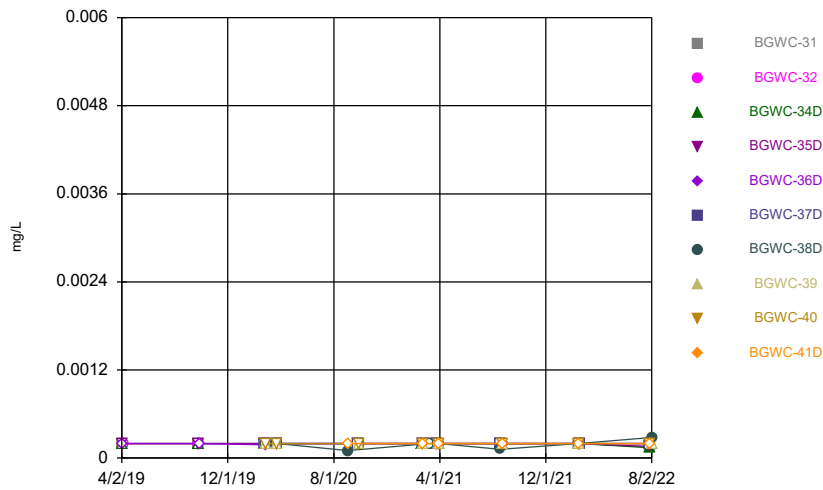
Constituent: Mercury Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



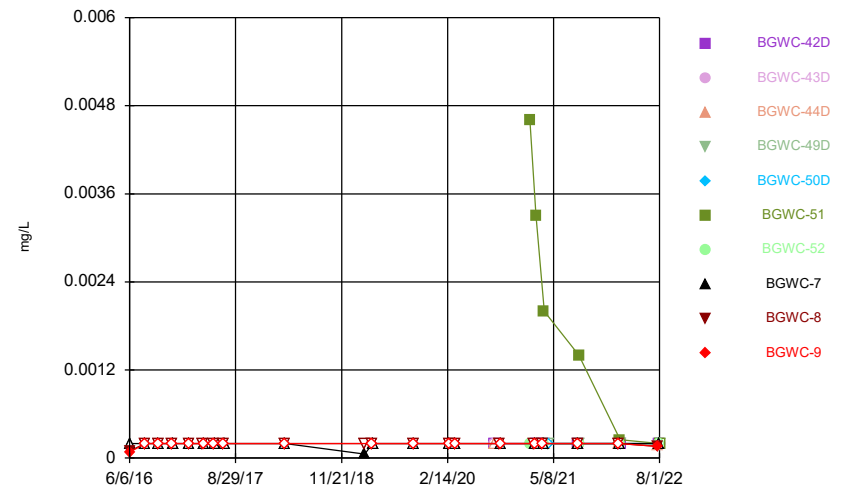
Constituent: Mercury Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



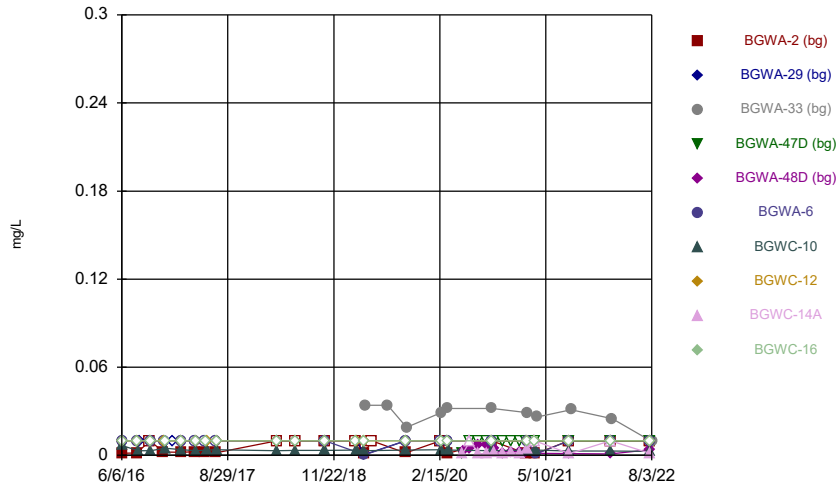
Constituent: Mercury Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



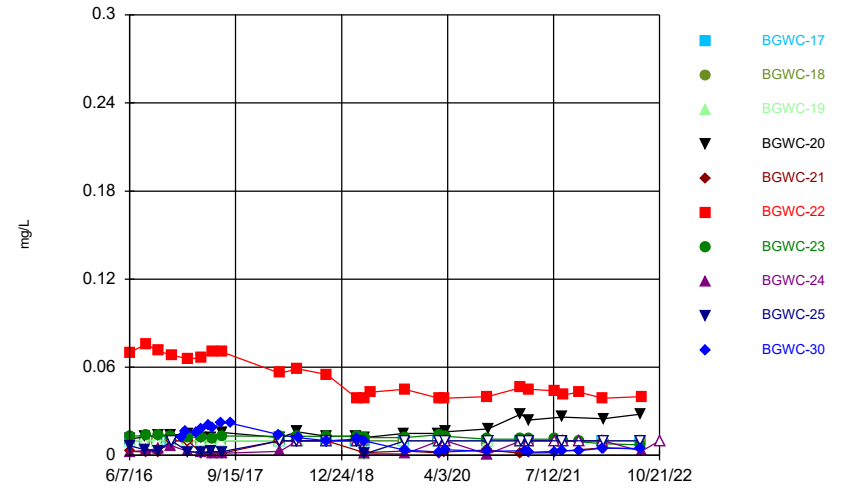
Constituent: Mercury Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



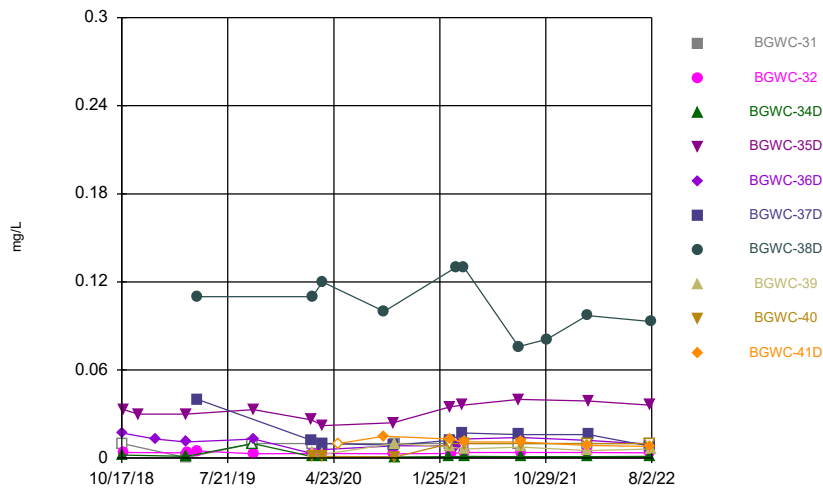
Constituent: Molybdenum Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



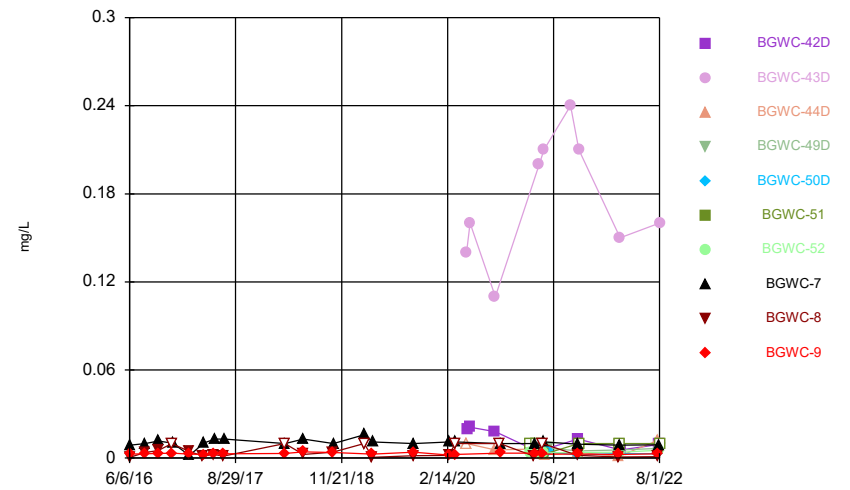
Constituent: Molybdenum Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



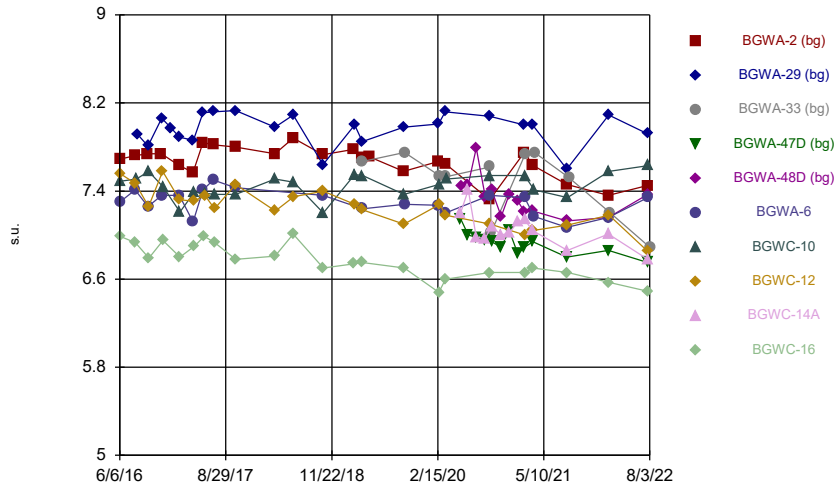
Constituent: Molybdenum Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



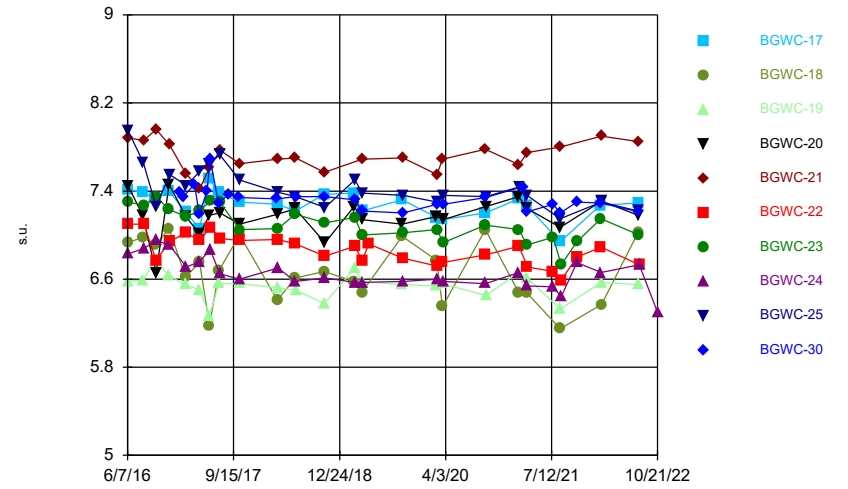
Constituent: Molybdenum Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



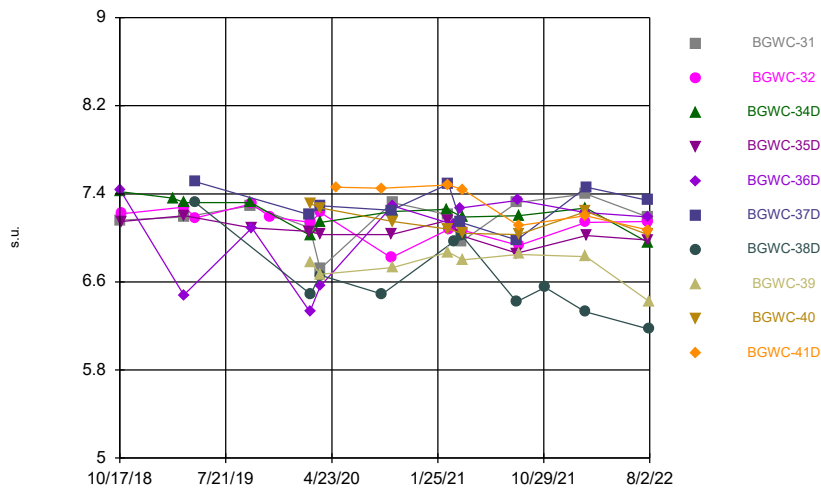
Constituent: pH Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



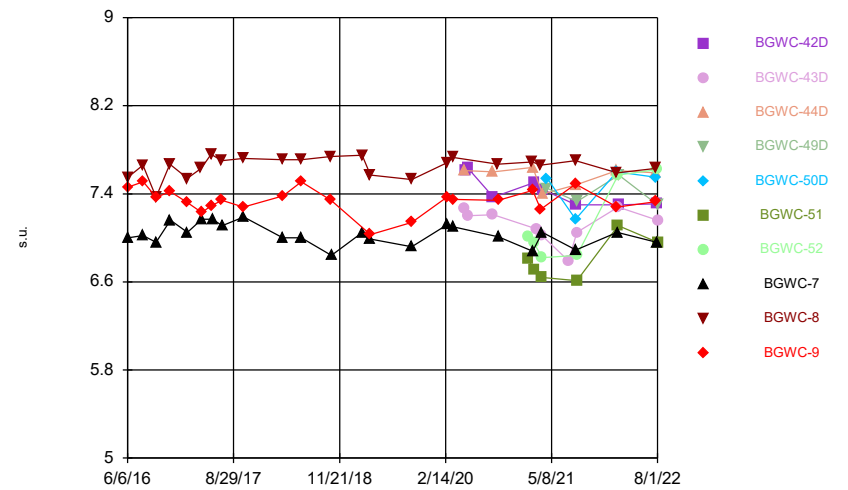
Constituent: pH Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



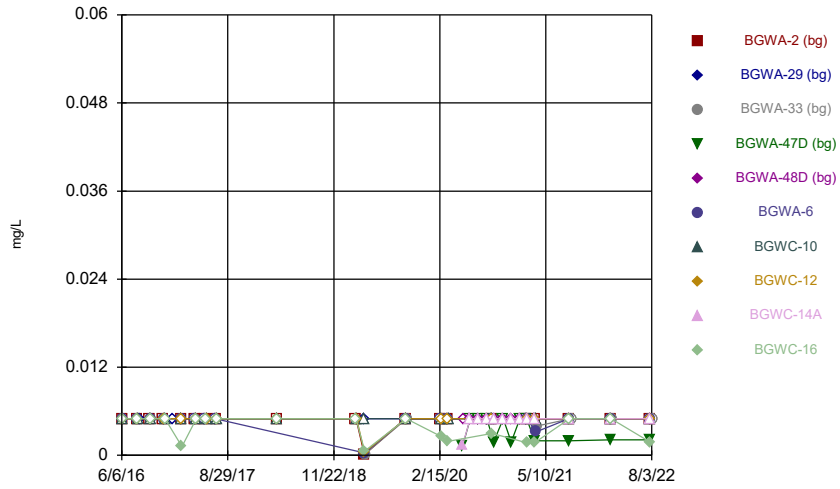
Constituent: pH Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



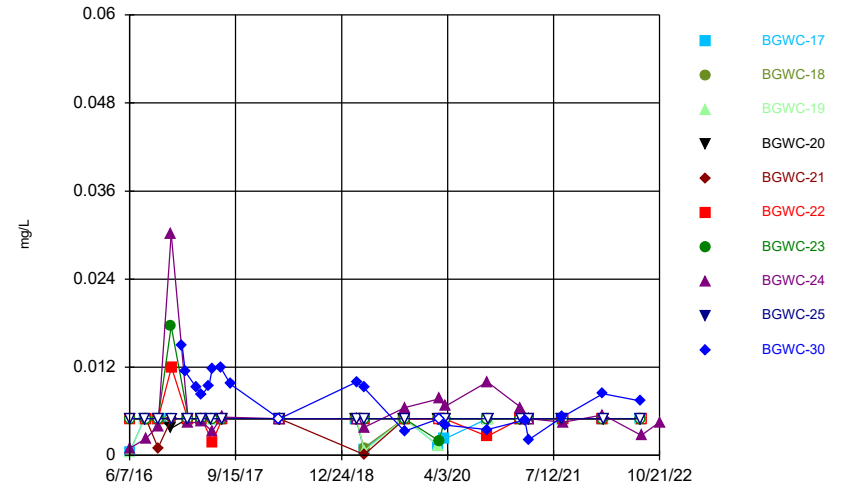
Constituent: pH Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



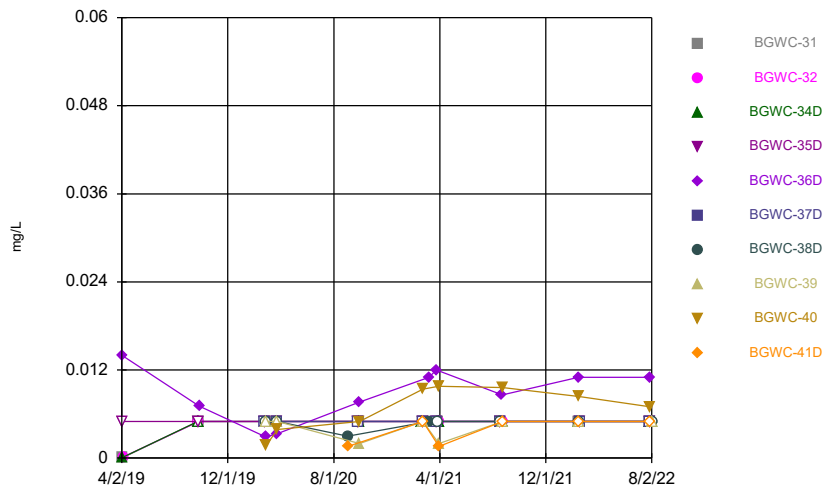
Constituent: Selenium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



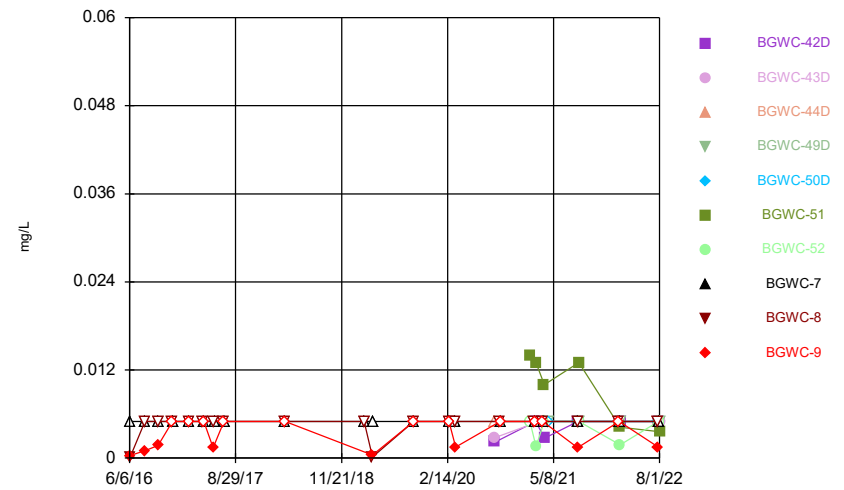
Constituent: Selenium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



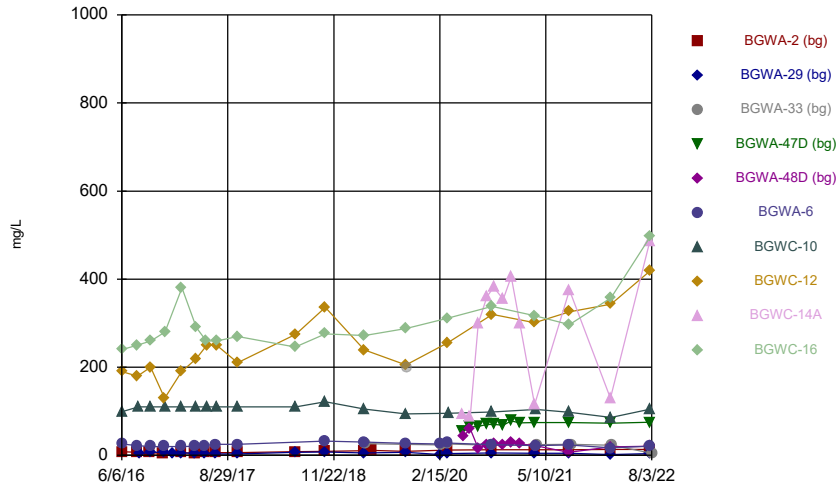
Constituent: Selenium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



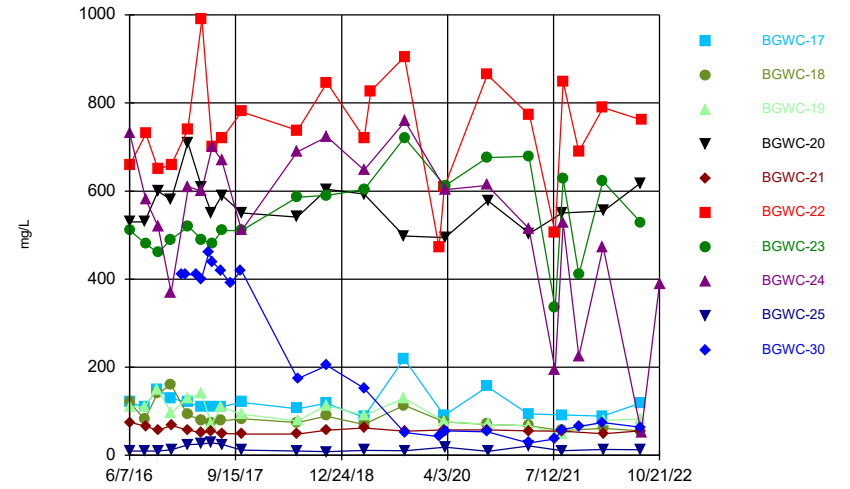
Constituent: Selenium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



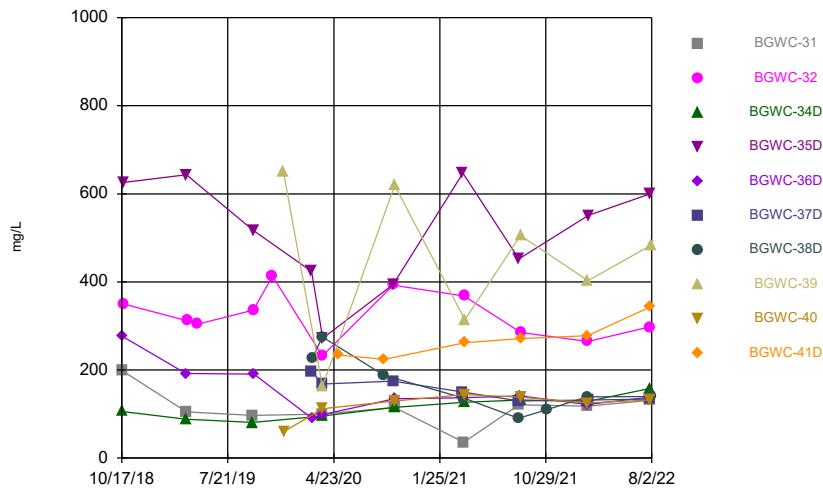
Constituent: Sulfate Analysis Run 11/18/2022 2:51 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



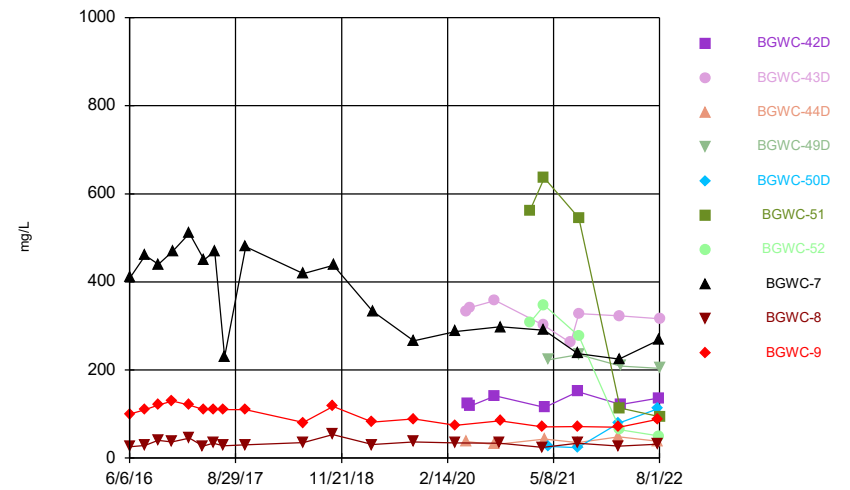
Constituent: Sulfate Analysis Run 11/18/2022 2:51 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



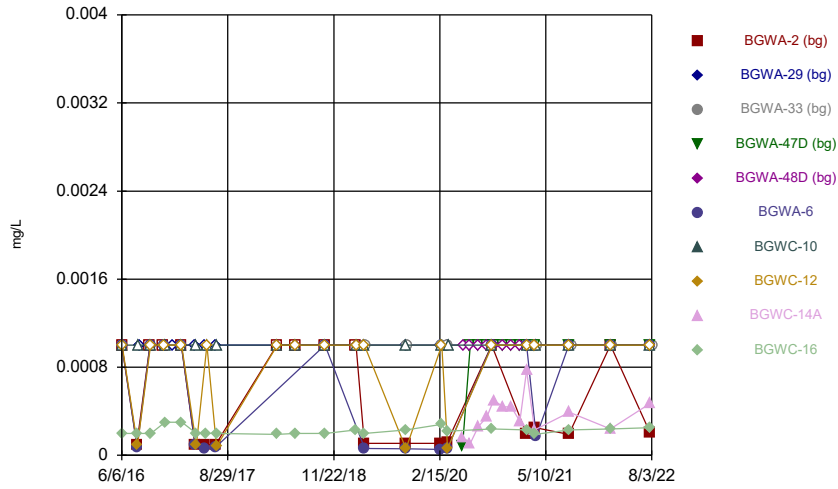
Constituent: Sulfate Analysis Run 11/18/2022 2:51 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



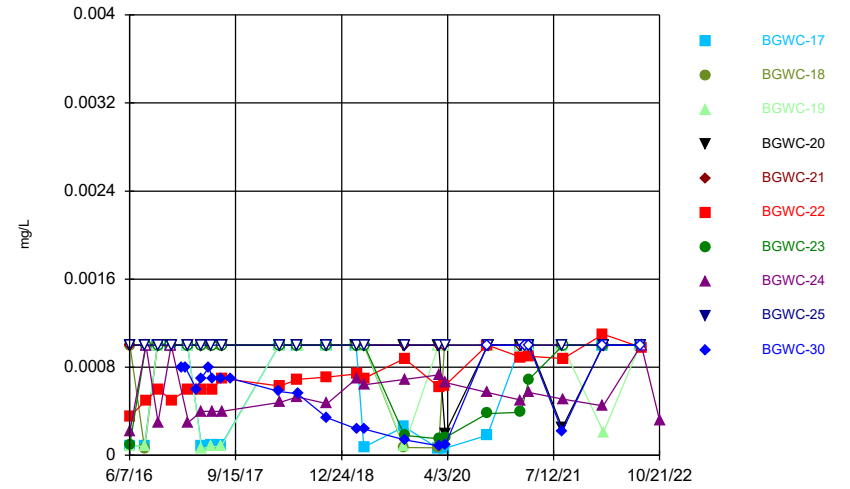
Constituent: Sulfate Analysis Run 11/18/2022 2:51 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



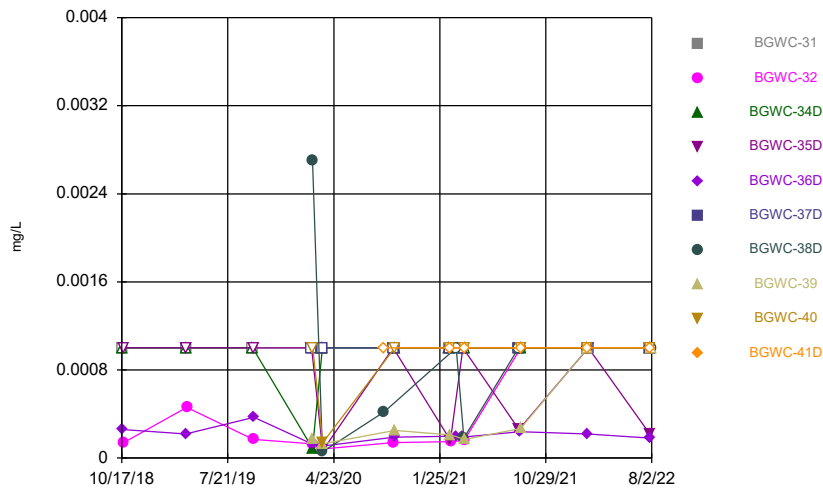
Constituent: Thallium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



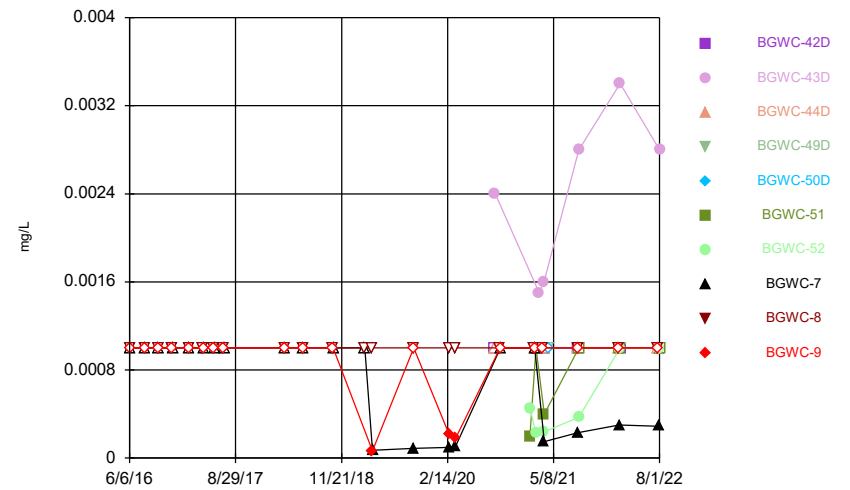
Constituent: Thallium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



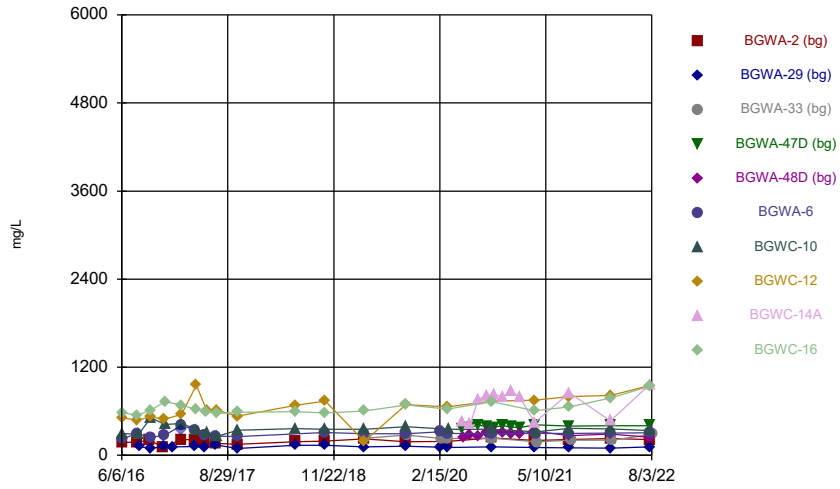
Constituent: Thallium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



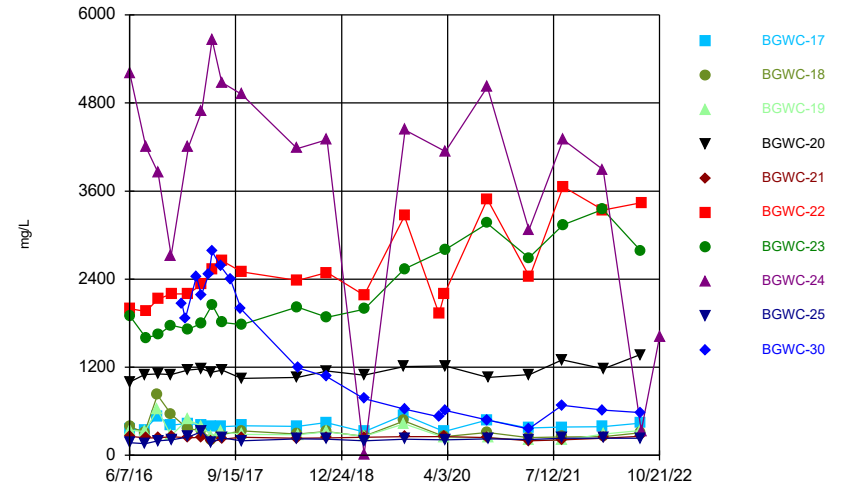
Constituent: Thallium Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



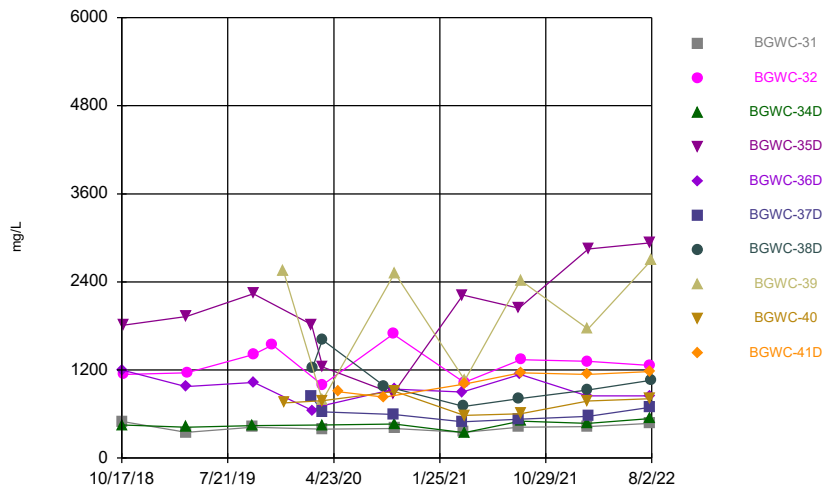
Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



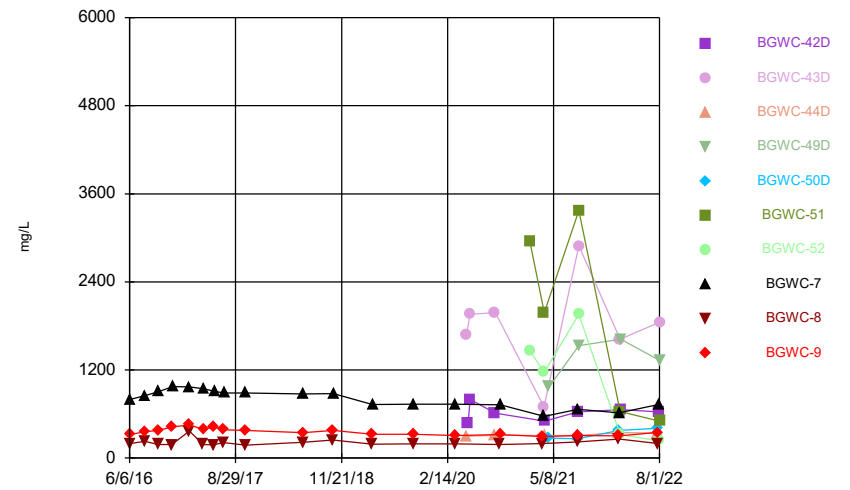
Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:51 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:52 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.003					<0.003			
6/7/2016							0.0022 (J)	<0.003	
8/9/2016	<0.003								
8/10/2016						<0.003			
8/11/2016									
8/12/2016								<0.003	
8/16/2016							<0.003		
8/22/2016		<0.003							
10/3/2016	<0.003								
10/4/2016		<0.003				<0.003			
10/6/2016								<0.003	
10/7/2016							<0.003		
11/29/2016	<0.003								
12/1/2016		<0.003				<0.003			
12/5/2016								<0.003	
12/6/2016							<0.003		
1/10/2017		<0.003							
2/13/2017	<0.003								
2/14/2017		<0.003				<0.003			
2/15/2017								<0.003	
2/16/2017							<0.003		
4/13/2017	0.0004 (J)					<0.003			
4/14/2017		<0.003							
4/18/2017							<0.003	<0.003	
5/25/2017	<0.003	<0.003				<0.003			
5/30/2017									
6/2/2017							<0.003	<0.003	
7/7/2017	<0.003					<0.003			
7/10/2017		<0.003							
7/12/2017							<0.003		
7/13/2017								<0.003	
7/14/2017									
3/26/2018	<0.003	<0.003							
3/27/2018							<0.003		
3/28/2018								<0.003	
2/25/2019	<0.003								
2/27/2019		<0.003							
2/28/2019							<0.003	<0.003	
2/18/2020	<0.003					<0.003			
2/19/2020		<0.003							
2/20/2020							<0.003		
2/21/2020			0.0016 (J)						
2/24/2020								<0.003	
3/18/2020	<0.003	<0.003							
3/19/2020						<0.003		<0.003	
3/20/2020			0.0014 (J)						
3/23/2020							<0.003		
5/22/2020				<0.003					<0.003
5/25/2020					0.0042				
6/23/2020				<0.003	0.00074 (J)				<0.003
7/28/2020				0.0013 (J)	0.0014 (J)				<0.003
9/2/2020				0.00082 (J)					<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
9/3/2020					0.0023 (J)				
9/23/2020	<0.003	<0.003				<0.003			
9/24/2020							<0.003		
9/25/2020			0.0015 (J)					<0.003	
10/1/2020				0.00056 (J)	0.0026 (J)				0.0003 (J)
11/10/2020				0.0019 (J)	0.0016 (J)				0.00061 (J)
12/15/2020				0.0018 (J)	0.0018 (J)				<0.003
1/20/2021				0.00068 (J)	0.0015 (J)				<0.003
2/16/2021	<0.003	0.0015 (J)							
2/17/2021				0.0013 (J)	0.0013 (J)				
2/18/2021						<0.003	<0.003		<0.003
2/19/2021			0.0011 (J)					<0.003	
3/23/2021		<0.003							
3/24/2021								<0.003	<0.003
3/25/2021				<0.003	0.0008 (J)				
3/26/2021	<0.003								
3/30/2021							<0.003		
3/31/2021						<0.003			
4/1/2021			0.002 (J)						
8/16/2021	<0.003	<0.003		<0.003	0.0018 (J)	<0.003			
8/18/2021							<0.003	<0.003	<0.003
8/25/2021			0.0013 (J)						
2/9/2022	<0.003			<0.003	0.0018 (J)	<0.003			<0.003
2/10/2022		<0.003							
2/11/2022							0.0021 (J)	<0.003	
2/16/2022			0.00089 (J)						
7/26/2022	<0.003	0.00096 (J)		<0.003	0.0008 (J)	<0.003			<0.003
7/27/2022								<0.003	
7/28/2022							0.0015 (J)		
8/3/2022			<0.003						

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.003
8/9/2016	
8/10/2016	
8/11/2016	0.0004 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.003
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.003
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.003
4/13/2017	
4/14/2017	
4/18/2017	<0.003
5/25/2017	
5/30/2017	<0.003
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.003
3/26/2018	
3/27/2018	<0.003
3/28/2018	
2/25/2019	<0.003
2/27/2019	
2/28/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.003
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.003
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

9/3/2020	
9/23/2020	
9/24/2020	<0.003
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.003
2/19/2021	
3/23/2021	
3/24/2021	<0.003
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.003
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.003
2/16/2022	
7/26/2022	
7/27/2022	<0.003
7/28/2022	
8/3/2022	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/24/2021	<0.003	<0.003							
3/25/2021									
3/26/2021			<0.003				<0.003	<0.003	<0.003
3/29/2021				<0.003	<0.003	<0.003			
8/19/2021	<0.003	<0.003							<0.003
8/20/2021			<0.003	<0.003	0.0014 (J)				
8/23/2021						<0.003	0.0029 (J)	0.0028 (J)	
2/11/2022	<0.003								
2/14/2022							0.0014 (J)		
2/15/2022						<0.003		0.0048	
2/16/2022		<0.003	<0.003	<0.003	0.0017 (J)				<0.003
7/27/2022	<0.003	<0.003	<0.003	<0.003					<0.003
7/28/2022					<0.003				
8/1/2022							0.0022 (J)		
8/2/2022						<0.003		0.015 (o)	
10/21/2022								0.0032 (R)	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	<0.003
2/7/2017	<0.003
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	<0.003
4/17/2017	<0.003
4/19/2017	
4/20/2017	
5/22/2017	<0.003
5/30/2017	
6/1/2017	
6/5/2017	<0.003
7/11/2017	<0.003
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	<0.003
3/26/2018	<0.003
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.003
2/24/2020	
2/25/2020	
2/26/2020	<0.003
3/19/2020	
3/20/2020	
3/23/2020	<0.003
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.003
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

3/24/2021	
3/25/2021	<0.003
3/26/2021	
3/29/2021	
8/19/2021	<0.003
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.003
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.003
8/2/2022	
10/21/2022	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
2/25/2020				<0.003		<0.003			
2/26/2020	<0.003				<0.003				
2/27/2020		<0.003	<0.003				0.0003 (J)	<0.003	
2/28/2020									<0.003
3/23/2020	<0.003				<0.003				
3/24/2020		<0.003	<0.003			<0.003	<0.003	<0.003	
3/25/2020				<0.003					<0.003
9/2/2020							0.0016 (J)		
9/25/2020		0.00039 (J)		0.00064 (J)		0.0022 (J)			
9/28/2020	0.00038 (J)		0.00049 (J)		<0.003				
9/29/2020								<0.003	<0.003
2/19/2021			<0.003						
2/22/2021	<0.003			0.00066 (J)		0.00041 (J)		<0.003	<0.003
2/23/2021		0.00036 (J)							
3/8/2021					0.00096 (J)				
3/9/2021							0.00062 (J)		
3/25/2021					<0.003				
3/26/2021				<0.003		<0.003			
3/29/2021	<0.003						<0.003		
3/30/2021		<0.003	0.00079 (J)						0.0005 (J)
3/31/2021								<0.003	
8/19/2021							0.01		
8/20/2021	<0.003			<0.003		<0.003			
8/23/2021					<0.003				
8/24/2021			<0.003					<0.003	<0.003
8/25/2021		<0.003							
2/14/2022					<0.003		0.0067		
2/15/2022									
2/16/2022	<0.003	<0.003	<0.003					<0.003	<0.003
2/17/2022				<0.003		<0.003			
7/28/2022	<0.003		<0.003	<0.003		<0.003			<0.003
7/29/2022		<0.003			<0.003				
8/2/2022							0.0015 (J)	<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.0014 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.003
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.003
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.0014 (J)
8/25/2021	
2/14/2022	
2/15/2022	<0.003
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.003
8/2/2022	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.003
6/8/2016								<0.003	
8/10/2016									0.0004 (J)
8/11/2016								0.0005 (J)	
10/4/2016									<0.003
10/5/2016									
10/6/2016								0.0015 (J)	
12/2/2016									<0.003
12/5/2016									
12/6/2016								<0.003	
2/14/2017									<0.003
2/15/2017								<0.003	
4/14/2017									<0.003
4/17/2017									
4/18/2017								0.0003 (J)	
5/26/2017									<0.003
6/2/2017								<0.003	
7/10/2017									<0.003
7/11/2017									
7/14/2017								<0.003	
3/26/2018									<0.003
3/27/2018								<0.003	
2/25/2019									<0.003
2/28/2019								<0.003	
2/19/2020									<0.003
2/20/2020									
2/21/2020								0.0016 (J)	
3/18/2020									<0.003
3/19/2020								<0.003	
9/3/2020	0.00072 (J)	0.00091 (J)	0.0021 (J)						
9/23/2020									<0.003
9/24/2020									
9/25/2020								<0.003	
1/28/2021						<0.003	0.0019 (J)		
2/16/2021									0.00046 (J)
2/17/2021									
2/18/2021			0.009					<0.003	
2/22/2021	0.0019 (J)								
2/23/2021						<0.003	0.00053 (J)		
3/8/2021		0.00058 (J)							
3/24/2021									0.00059 (J)
3/29/2021		<0.003							
3/30/2021						0.0019 (J)	0.00085 (J)	<0.003	
3/31/2021			0.0026 (J)						
4/1/2021	0.0019 (J)								
4/19/2021				0.00039 (J)	0.0019 (J)				
8/18/2021			0.0015 (J)		<0.003				<0.003
8/19/2021								<0.003	
8/20/2021	0.00083 (J)								
8/23/2021		<0.003				<0.003	<0.003		
8/24/2021				<0.003					

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
2/9/2022			<0.003		<0.003				
2/10/2022									<0.003
2/11/2022								<0.003	
2/14/2022						<0.003	<0.003		
2/15/2022		<0.003							
2/17/2022	<0.003			<0.003					
7/26/2022			0.0011 (J)		<0.003				<0.003
7/28/2022	<0.003						<0.003	<0.003	
8/1/2022		<0.003		<0.003		<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.003
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0003 (J)
10/4/2016	
10/5/2016	<0.003
10/6/2016	
12/2/2016	
12/5/2016	<0.003
12/6/2016	
2/14/2017	
2/15/2017	<0.003
4/14/2017	
4/17/2017	<0.003
4/18/2017	
5/26/2017	<0.003
6/2/2017	
7/10/2017	
7/11/2017	<0.003
7/14/2017	
3/26/2018	
3/27/2018	<0.003
2/25/2019	
2/28/2019	
2/19/2020	
2/20/2020	<0.003
2/21/2020	
3/18/2020	
3/19/2020	<0.003
9/3/2020	
9/23/2020	
9/24/2020	<0.003
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.00075 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.00038 (J)
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0014 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	

Time Series

Constituent: Antimony (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
2/9/2022	
2/10/2022	<0.003
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.003
7/28/2022	
8/1/2022	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.0012 (J)					<0.005			
6/7/2016							0.0039	<0.005	
8/9/2016	<0.005								
8/10/2016						<0.005			
8/11/2016									
8/12/2016								0.0009 (J)	
8/16/2016							0.0091		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005			
10/6/2016								<0.005	
10/7/2016							0.0074		
11/29/2016	0.0023 (J)								
12/1/2016		<0.005				<0.005			
12/5/2016								<0.005	
12/6/2016							0.0044 (J)		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							0.0081		
4/13/2017	0.0017 (J)					0.0007 (J)			
4/14/2017		0.0006 (J)							
4/18/2017							0.0084	0.0009 (J)	
5/25/2017	0.0015 (J)	0.0008 (J)				0.0013 (J)			
5/30/2017									
6/2/2017							0.008	0.0015 (J)	
7/7/2017	0.001 (J)					<0.005			
7/10/2017		0.0008 (J)							
7/12/2017							0.0063		
7/13/2017								0.0006 (J)	
7/14/2017									
3/26/2018	0.0019 (J)	0.00066 (J)							
3/27/2018							0.0064		
3/28/2018								0.0015 (J)	
6/12/2018	0.0013 (J)	0.00059 (J)							
6/14/2018							0.0075	0.00096 (J)	
10/16/2018	0.00075 (J)	<0.005				0.00095 (J)			
10/17/2018								<0.005	
10/18/2018							0.0056		
2/25/2019	<0.005								
2/27/2019		0.0011 (J)							
2/28/2019							0.0058	<0.005	
4/1/2019	0.00049 (J)	0.00019 (J)						0.00028 (J)	
4/2/2019						0.00032 (J)	0.0057		
4/3/2019			0.002 (J)						
9/23/2019	0.00095 (J)	0.00053 (J)				0.0012 (J)			
9/25/2019							0.0058	0.00085 (J)	
9/26/2019									
9/27/2019			0.0023 (J)						
2/18/2020	0.002 (J)					0.0019 (J)			
2/19/2020		0.0012 (J)							

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							0.0067		
2/21/2020			0.0015 (J)						
2/24/2020								0.00039 (J)	
3/18/2020	<0.005	<0.005							
3/19/2020						<0.005		0.00036 (J)	
3/20/2020			0.0024 (J)						
3/23/2020							0.0049 (J)		
5/22/2020				0.00059 (J)					0.001 (J)
5/25/2020					0.0025 (J)				
6/23/2020				<0.005	0.01				<0.005
7/28/2020				0.00081 (J)	0.0039 (J)				0.0011 (J)
9/2/2020				<0.005					<0.005
9/3/2020					0.0018 (J)				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							0.006		
9/25/2020			0.0017 (J)					<0.005	
10/1/2020				<0.005	0.0014 (J)				<0.005
11/10/2020				<0.005	<0.005				<0.005
12/15/2020				<0.005	<0.005				<0.005
1/20/2021				<0.005	<0.005				<0.005
2/16/2021	<0.005	<0.005							
2/17/2021				<0.005	<0.005				
2/18/2021						0.0011 (J)	0.0054		<0.005
2/19/2021			<0.005					0.0011 (J)	
3/23/2021		<0.005							
3/24/2021								0.002 (J)	0.002 (J)
3/25/2021				0.0014 (J)	0.0042 (J)				
3/26/2021	<0.005								
3/30/2021							0.0053		
3/31/2021						<0.005			
4/1/2021			0.0013 (J)						
8/16/2021	<0.005	<0.005		0.0012 (J)	0.0079	<0.005			
8/18/2021							0.0083	0.0039 (J)	0.0034 (J)
8/25/2021			0.0018 (J)						
2/9/2022	<0.005			<0.005	0.0057	<0.005			<0.005
2/10/2022		<0.005							
2/11/2022							0.0094	<0.005	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		<0.005	<0.005	<0.005			<0.005
7/27/2022								0.0028 (J)	
7/28/2022							0.005		
8/3/2022			0.0043 (J)						

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.005
8/9/2016	
8/10/2016	
8/11/2016	<0.005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.005
4/13/2017	
4/14/2017	
4/18/2017	0.0007 (J)
5/25/2017	
5/30/2017	0.0008 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0008 (J)
3/26/2018	
3/27/2018	0.0014 (J)
3/28/2018	
6/12/2018	0.00073 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.005
2/25/2019	<0.005
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0003 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.00074 (J)
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.00042 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.005
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.005
2/19/2021	
3/23/2021	
3/24/2021	0.0013 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.005
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.005
2/16/2022	
7/26/2022	
7/27/2022	<0.005
7/28/2022	
8/3/2022	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.005								
6/8/2016		<0.005	0.00046 (J)	0.0011 (J)	0.0015	0.0012 (J)			0.0037
6/9/2016							0.0012 (J)	0.0016	
8/11/2016	<0.005								
8/12/2016		<0.005	0.0008 (J)	0.0017 (J)					
8/15/2016									0.003 (J)
8/18/2016					<0.005	0.0022 (J)	0.003 (J)	0.0054	
10/7/2016	<0.005	<0.005	<0.005						
10/10/2016				<0.005	<0.005	0.002 (J)	0.0021 (J)	0.0079	0.0026 (J)
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	<0.005			0.0023 (J)	0.0121	
12/8/2016					<0.005	<0.005			<0.005
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	0.0023 (J)			
2/20/2017							0.0025 (J)	0.0063	0.0029 (J)
3/27/2017									
4/17/2017									
4/19/2017	0.0012 (J)	0.0013 (J)	0.0015 (J)	0.002 (J)	0.002 (J)		0.0032 (J)	0.0051	
4/20/2017						0.0028 (J)			0.0024 (J)
5/22/2017									
5/30/2017	0.0006 (J)								
6/1/2017		0.0005 (J)	0.0008 (J)	0.0017 (J)	0.0011 (J)				0.0025 (J)
6/5/2017						0.0035 (J)	0.0043 (J)	0.0072	
7/11/2017									
7/14/2017	<0.005	<0.005	0.0006 (J)						
7/17/2017							0.0017 (J)	0.0031 (J)	0.0021 (J)
7/18/2017				0.0018 (J)	0.0015 (J)				
7/19/2017						0.0028 (J)			
8/23/2017									
3/26/2018									
3/27/2018	0.00076 (J)	0.00066 (J)	0.00082 (J)						
3/28/2018				0.0018 (J)	0.0012 (J)				0.0019 (J)
3/29/2018						0.0037 (J)	0.0028 (J)	0.0075 (J)	
6/13/2018				0.0015 (J)			0.0019 (J)	0.0045 (J)	
6/14/2018	<0.005	<0.005			0.00087 (J)	0.0027 (J)			0.0022 (J)
6/15/2018			0.00074 (J)						
10/17/2018	<0.005								
10/18/2018		<0.005							
10/19/2018			<0.005		0.00059 (J)				
10/22/2018				<0.005		0.0016 (J)	0.0015 (J)	0.0027 (J)	0.0026 (J)
2/27/2019	0.001 (J)	0.00083 (J)		0.0014 (J)					
3/1/2019			<0.005			0.0011 (J)	0.0023 (J)	0.0032 (J)	0.0022 (J)
4/2/2019	0.00024 (J)	0.00015 (J)							
4/3/2019			0.00017 (J)	0.00027 (J)	0.00038 (J)	0.0021 (J)	0.00093 (J)	0.0019 (J)	
4/4/2019									0.0016 (J)
9/26/2019	0.0008 (J)	0.00046 (J)	0.00067 (J)	0.00087 (J)					
9/27/2019						0.0013 (J)	0.00096 (J)		
9/30/2019					<0.005			0.0027 (J)	0.002 (J)
2/24/2020	<0.005	<0.005	<0.005	0.00057 (J)					
2/25/2020						0.0014 (J)	0.0012 (J)		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					0.00047 (J)			0.0013 (J)	0.0018 (J)
3/19/2020	<0.005								
3/20/2020		<0.005	<0.005		<0.005	0.0015 (J)			
3/23/2020				<0.005			0.0027 (J)		
3/24/2020									0.0013 (J)
3/25/2020								<0.005	
9/24/2020	<0.005	<0.005			<0.005	0.0019 (J)	0.001 (J)		
9/25/2020								0.0023 (J)	
9/28/2020			<0.005	<0.005					0.0028 (J)
2/18/2021	<0.005	<0.005	<0.005	0.0016 (J)					
2/19/2021					0.00079 (J)	0.0039 (J)	0.0049 (J)	0.0054	
2/23/2021									0.004 (J)
3/8/2021									
3/24/2021	0.0017 (J)	0.0014 (J)							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.005	0.0025 (J)
3/29/2021				<0.005	<0.005	<0.005			
8/19/2021	0.0014 (J)	0.002 (J)							0.0019 (J)
8/20/2021			<0.005	<0.005	<0.005				
8/23/2021						0.0036 (J)	0.0043 (J)	0.0032 (J)	
2/11/2022	<0.005								
2/14/2022							0.0065		
2/15/2022						0.007		0.0073	
2/16/2022		<0.005	0.0022 (J)	0.0031 (J)	0.002 (J)				0.0055
7/27/2022	<0.005	<0.005	<0.005	<0.005					0.0027 (J)
7/28/2022					<0.005				
8/1/2022							0.0085		
8/2/2022						0.0033 (J)		<0.005	
10/21/2022								0.003 (JR)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	<0.005
2/7/2017	<0.005
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0019 (J)
4/17/2017	0.0017 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0034 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0039 (J)
7/11/2017	0.0016 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.001 (J)
3/26/2018	0.0015 (J)
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.00089 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.00064 (J)
2/27/2019	
3/1/2019	<0.005
4/2/2019	0.00024 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00042 (J)
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	0.00053 (J)
3/19/2020	
3/20/2020	
3/23/2020	<0.005
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.005
3/24/2021	
3/25/2021	0.0015 (J)
3/26/2021	
3/29/2021	
8/19/2021	<0.005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0034 (J)
8/2/2022	
10/21/2022	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.00082 (J)				
10/18/2018	0.0034 (J)								
10/19/2018			0.013						
10/22/2018		0.00076 (J)		0.0019 (J)					
1/14/2019			0.017						
3/4/2019			0.02						
4/2/2019					0.00039 (J)				
4/4/2019	0.0036 (J)		0.015	0.0018 (J)					
4/5/2019		0.00093 (J)							
9/24/2019	0.0055		0.016						
9/26/2019		0.0018 (J)		0.0035 (J)					
9/27/2019					0.00064 (J)				
2/25/2020				0.0013 (J)		0.04			
2/26/2020	0.0037 (J)				<0.005				
2/27/2020		0.00081 (J)	0.017				0.0021 (J)	0.00055 (J)	
2/28/2020									0.00062 (J)
3/23/2020	0.0054				<0.005				
3/24/2020		0.0017 (J)	0.02			0.028	0.0054	<0.005	
3/25/2020				0.00046 (J)					0.00051 (J)
9/2/2020							0.0012 (J)		
9/25/2020		0.00093 (J)		0.0021 (J)		0.033			
9/28/2020	0.0044 (J)		0.018		<0.005				
9/29/2020							<0.005	<0.005	
2/19/2021			0.015						
2/22/2021	0.0049 (J)			0.0034 (J)		0.019		0.0026 (J)	0.0024 (J)
2/23/2021		0.0032 (J)							
3/8/2021					0.00096 (J)				
3/9/2021							0.0021 (J)		
3/25/2021					0.0021 (J)				
3/26/2021				0.002 (J)		0.013			
3/29/2021	0.0038 (J)						0.0019 (J)		
3/30/2021		<0.005	0.016						<0.005
3/31/2021							<0.005		
8/19/2021							<0.005		
8/20/2021	0.0054			0.0021 (J)		0.014			
8/23/2021					0.0018 (J)				
8/24/2021			0.017					0.0028 (J)	0.0021 (J)
8/25/2021		0.0029 (J)							
2/14/2022					<0.005		0.0036 (J)		
2/15/2022									
2/16/2022	0.007	0.0041 (J)	0.02					0.0052	0.0032 (J)
2/17/2022				0.0065		0.011			
7/28/2022	0.0051		0.015	<0.005		0.013			<0.005
7/29/2022		<0.005			<0.005				
8/2/2022							0.0025 (J)	0.0055	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
1/14/2019	
3/4/2019	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.00092 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.0033 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.0017 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.0027 (J)
8/25/2021	
2/14/2022	
2/15/2022	0.0062
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.0034 (J)
8/2/2022	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.00018 (J)
6/8/2016								0.0024	
8/10/2016									<0.005
8/11/2016								0.0024 (J)	
10/4/2016									<0.005
10/5/2016									
10/6/2016								<0.005	
12/2/2016									<0.005
12/5/2016									
12/6/2016								<0.005	
2/14/2017									<0.005
2/15/2017								0.003 (J)	
4/14/2017									0.0007 (J)
4/17/2017									
4/18/2017								0.0029 (J)	
5/26/2017									0.0008 (J)
6/2/2017								0.0031 (J)	
7/10/2017									0.0011 (J)
7/11/2017									
7/14/2017								0.0017 (J)	
3/26/2018									0.0009 (J)
3/27/2018								0.0028 (J)	
6/12/2018									0.00065 (J)
6/13/2018								0.0023 (J)	
10/16/2018									0.00064 (J)
10/17/2018									
10/18/2018								0.0015 (J)	
2/25/2019									<0.005
2/28/2019								0.0011 (J)	
4/1/2019									0.00041 (J)
4/2/2019								0.0016 (J)	
9/24/2019								0.0031 (J)	0.00047 (J)
2/19/2020									0.0011 (J)
2/20/2020									
2/21/2020								0.0018 (J)	
3/18/2020									0.00042 (J)
3/19/2020								0.0018 (J)	
9/3/2020	0.0023 (J)	0.00099 (J)	0.0033 (J)						
9/23/2020									<0.005
9/24/2020									
9/25/2020								0.0025 (J)	
1/28/2021						0.0012 (J)	0.00099 (J)		
2/16/2021									<0.005
2/17/2021									
2/18/2021				0.0078				0.0026 (J)	
2/22/2021	0.0068								
2/23/2021						0.0048 (J)	0.0028 (J)		
3/8/2021		0.0013 (J)							
3/24/2021									0.0012 (J)
3/29/2021		0.001 (J)							
3/30/2021						0.0065 (J)	0.001 (J)	0.0017 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			0.0043 (J)						
4/1/2021	0.002 (J)								
4/19/2021				0.0023 (J)	0.0032 (J)				
8/18/2021			0.0019 (J)		0.0018 (J)				0.0014 (J)
8/19/2021								0.0045 (J)	
8/20/2021	0.0064								
8/23/2021		0.0022 (J)				0.0033 (J)	0.002 (J)		
8/24/2021				0.003 (J)					
2/9/2022			0.0062		0.0023 (J)				
2/10/2022									<0.005
2/11/2022								0.0022 (J)	
2/14/2022						<0.005	<0.005		
2/15/2022		0.0048 (J)							
2/17/2022	0.009			0.0057					
7/26/2022			0.0041 (J)		0.0035 (J)				<0.005
7/28/2022	0.0033 (J)						<0.005	0.0024 (J)	
8/1/2022		0.0045 (J)		0.0076		<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.0022
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0028 (J)
10/4/2016	
10/5/2016	0.002 (J)
10/6/2016	
12/2/2016	
12/5/2016	<0.005
12/6/2016	
2/14/2017	
2/15/2017	0.0033 (J)
4/14/2017	
4/17/2017	0.0028 (J)
4/18/2017	
5/26/2017	0.0035 (J)
6/2/2017	
7/10/2017	
7/11/2017	0.0033 (J)
7/14/2017	
3/26/2018	
3/27/2018	0.0021 (J)
6/12/2018	0.0015 (J)
6/13/2018	
10/16/2018	
10/17/2018	0.0035 (J)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.0026 (J)
4/2/2019	
9/24/2019	0.0033 (J)
2/19/2020	
2/20/2020	0.0019 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.0014 (J)
9/3/2020	
9/23/2020	
9/24/2020	0.0021 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.0019 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.0025 (J)
3/29/2021	
3/30/2021	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0025 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.0018 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.005
7/28/2022	
8/1/2022	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.2					0.015			
6/7/2016							0.091	0.027	
8/9/2016	0.188								
8/10/2016						0.0142			
8/11/2016									
8/12/2016								0.026	
8/16/2016							0.0667		
8/22/2016		0.0094 (J)							
10/3/2016	0.191								
10/4/2016		0.0188				0.0137			
10/6/2016								0.0308	
10/7/2016							0.0631		
11/29/2016	0.201								
12/1/2016		0.0334				0.0144			
12/5/2016								0.0258	
12/6/2016							0.0659		
1/10/2017		0.0306							
2/13/2017	0.218								
2/14/2017		0.0247				0.0114			
2/15/2017								0.029	
2/16/2017							0.0621		
4/13/2017	0.19					0.0115			
4/14/2017		0.0231							
4/18/2017							0.0545	0.0294	
5/25/2017	0.193	0.0235				0.0122			
5/30/2017									
6/2/2017							0.0555	0.0354	
7/7/2017	0.148					0.012			
7/10/2017		0.0207							
7/12/2017							0.0572		
7/13/2017								0.0329	
7/14/2017									
3/26/2018	0.17	0.016							
3/27/2018							0.051		
3/28/2018								0.034	
6/12/2018	0.18	0.018							
6/14/2018							0.053	0.032	
10/16/2018	0.17	0.016				0.011			
10/17/2018								0.033	
10/18/2018							0.053		
2/25/2019	0.16								
2/27/2019		0.013							
2/28/2019							0.053	0.033	
4/1/2019	0.16	0.014						0.023	
4/2/2019						0.011	0.045		
4/3/2019			0.025						
9/23/2019	0.21	0.016				0.012			
9/25/2019							0.047	0.035	
9/26/2019									
9/27/2019			0.035						
2/18/2020	0.15					0.012			
2/19/2020		0.013							

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							0.049		
2/21/2020			0.03						
2/24/2020								0.033	
3/18/2020	0.14	0.013							
3/19/2020						0.013		0.034	
3/20/2020			0.033						
3/23/2020							0.042		
5/22/2020				0.046					0.036
5/25/2020					0.12				
6/23/2020				0.065	0.067				0.029
7/28/2020				0.081	0.098				0.049
9/2/2020				0.058					0.04
9/3/2020					0.067				
9/23/2020	0.14	0.014				0.01			
9/24/2020							0.041		
9/25/2020			0.028					0.038	
10/1/2020				0.058	0.073				0.039
11/10/2020				0.057	0.071				0.037
12/15/2020				0.059	0.073				0.042
1/20/2021				0.058	0.071				0.042
2/16/2021	0.15	0.013							
2/17/2021				0.06	0.064				
2/18/2021						0.012	0.039		0.036
2/19/2021			0.03					0.043	
3/23/2021		0.013							
3/24/2021								0.039	0.032
3/25/2021				0.057	0.091				
3/26/2021	0.14								
3/30/2021							0.041		
3/31/2021						0.052			
4/1/2021			0.035						
8/16/2021	0.13	0.017		0.06	0.074	0.044			
8/18/2021							0.036	0.042	0.04
8/25/2021			0.029						
2/9/2022	0.12			0.057	0.054	0.043			0.022
2/10/2022		0.011							
2/11/2022							0.044	0.043	
2/16/2022			0.031						
7/26/2022	0.12	0.013		0.056	0.025	0.016			0.038
7/27/2022								0.045	
7/28/2022							0.042		
8/3/2022			0.061						

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	0.027
8/9/2016	
8/10/2016	
8/11/2016	0.0292
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0295
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.0367
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0315
4/13/2017	
4/14/2017	
4/18/2017	0.0272
5/25/2017	
5/30/2017	0.0316
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.029
3/26/2018	
3/27/2018	0.027
3/28/2018	
6/12/2018	0.029
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.026
2/25/2019	0.028
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.025
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.031
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.026
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.027
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.028
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.028
2/19/2021	
3/23/2021	
3/24/2021	0.028
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.027
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.03
2/16/2022	
7/26/2022	
7/27/2022	0.033
7/28/2022	
8/3/2022	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.017								
6/8/2016		0.039	0.036	0.036	0.054	0.092			0.038
6/9/2016							0.11	0.14	
8/11/2016	0.0152								
8/12/2016		0.031	0.0412	0.0283					
8/15/2016									0.0321
8/18/2016					0.0479	0.0953	0.0893	0.113	
10/7/2016	0.0225	0.0427	0.0427						
10/10/2016				0.0288	0.0433	0.0954	0.0839	0.0888	0.0283
12/6/2016	0.0171	0.0398							
12/7/2016			0.0338	0.0279			0.0912	0.0289	
12/8/2016					0.0474	0.0991			0.0294
1/23/2017									
2/7/2017									
2/16/2017	0.0187	0.0309	0.0407						
2/17/2017				0.0316	0.0483	0.0927			
2/20/2017							0.0813	0.0999	0.0275
3/27/2017									
4/17/2017									
4/19/2017	0.0183	0.0325	0.042	0.0367	0.0486		0.087	0.114	
4/20/2017						0.086			0.0279
5/22/2017									
5/30/2017	0.0179								
6/1/2017		0.0331	0.0341	0.0361	0.0468				0.0313
6/5/2017						0.0875	0.084	0.135	
7/11/2017									
7/14/2017	0.0191	0.0349	0.0405						
7/17/2017							0.0809	0.134	0.0251
7/18/2017				0.0346	0.0494				
7/19/2017						0.0877			
8/23/2017									
3/26/2018									
3/27/2018	0.015	0.027	0.029						
3/28/2018				0.03	0.043				0.018
3/29/2018						0.088	0.085	0.08	
6/13/2018				0.031			0.091	0.1	
6/14/2018	0.016	0.032			0.042	0.093			0.019
6/15/2018			0.032						
10/17/2018	0.015								
10/18/2018		0.033							
10/19/2018			0.037		0.038				
10/22/2018				0.03		0.088	0.087	0.1	0.018
2/27/2019	0.014	0.027		0.032					
3/1/2019			0.028			0.087	0.097	0.12	0.021
4/2/2019	0.015	0.028							
4/3/2019			0.033	0.029	0.033	0.082	0.087	0.095	
4/4/2019									0.016
9/26/2019	0.023	0.042	0.049	0.032					
9/27/2019						0.095	0.11		
9/30/2019					0.036			0.098	0.016
2/24/2020	0.014	0.028	0.024	0.033					
2/25/2020						0.062	0.12		

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					0.024			0.1	0.015
3/19/2020	0.017								
3/20/2020		0.031	0.034		0.03	0.075			
3/23/2020				0.032			0.11		
3/24/2020									0.015
3/25/2020								0.096	
9/24/2020	0.022	0.031			0.031	0.093	0.12		
9/25/2020								0.088	
9/28/2020			0.03	0.032					0.016
2/18/2021	0.017	0.034	0.026	0.039					
2/19/2021					0.03	0.086	0.12	0.081	
2/23/2021									0.019
3/8/2021									
3/24/2021	0.018	0.031							
3/25/2021									
3/26/2021			0.028				0.12	0.075	0.018
3/29/2021				0.033	0.025	0.079			
8/19/2021	0.015	0.029							0.019
8/20/2021			0.035	0.034	0.024				
8/23/2021						0.073	0.11	0.077	
2/11/2022	0.015								
2/14/2022							0.11		
2/15/2022						0.074		0.077	
2/16/2022		0.032	0.036	0.035	0.028				0.019
7/27/2022	0.015	0.029	0.039	0.032					0.016
7/28/2022					0.025				
8/1/2022							0.099		
8/2/2022						0.074		0.022	
10/21/2022								0.057 (R)	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.237
2/7/2017	0.191
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.197
4/17/2017	0.192
4/19/2017	
4/20/2017	
5/22/2017	0.197
5/30/2017	
6/1/2017	
6/5/2017	0.201
7/11/2017	0.179
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.15
3/26/2018	0.1
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.087
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.1
2/27/2019	
3/1/2019	0.078
4/2/2019	0.075
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.08
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	0.062
3/19/2020	
3/20/2020	
3/23/2020	0.075
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.07
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.074
3/24/2021	
3/25/2021	0.06
3/26/2021	
3/29/2021	
8/19/2021	0.094
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.072
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.061
8/2/2022	
10/21/2022	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.11				
10/18/2018	0.055								
10/19/2018			0.038						
10/22/2018		0.096		0.065					
4/2/2019					0.074				
4/4/2019	0.032		0.031	0.071					
4/5/2019		0.085							
9/24/2019	0.038		0.036						
9/26/2019		0.12		0.085					
9/27/2019					0.084				
2/25/2020				0.099		0.12			
2/26/2020	0.033				0.064				
2/27/2020		0.092	0.036				0.24	0.06	
2/28/2020									0.045
3/23/2020	0.038				0.062				
3/24/2020		0.094	0.043			0.1	0.17	0.04	
3/25/2020				0.12					0.048
9/2/2020							0.19		
9/25/2020		0.14		0.11		0.1			
9/28/2020	0.038		0.042		0.067				
9/29/2020								0.096	0.047
2/19/2021			0.053						
2/22/2021	0.041			0.091		0.09		0.054	0.061
2/23/2021		0.13							
3/8/2021					0.073				
3/9/2021							0.096		
3/25/2021					0.073				
3/26/2021				0.07		0.089			
3/29/2021	0.039						0.082		
3/30/2021		0.13	0.048						0.06
3/31/2021								0.06	
8/19/2021							0.14		
8/20/2021	0.041			0.069		0.09			
8/23/2021					0.066				
8/24/2021			0.048					0.065	0.053
8/25/2021		0.099							
2/14/2022					0.064		0.15		
2/15/2022									
2/16/2022	0.042	0.096	0.052					0.067	0.055
2/17/2022				0.071		0.087			
7/28/2022	0.039		0.051	0.06		0.094			0.047
7/29/2022		0.09			0.062				
8/2/2022							0.12	0.07	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.046
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.053
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.058
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.06
8/25/2021	
2/14/2022	
2/15/2022	0.063
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.06
8/2/2022	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.0051
6/8/2016								0.048	
8/10/2016									0.0264
8/11/2016								0.0428	
10/4/2016									0.0316
10/5/2016									
10/6/2016								0.0404	
12/2/2016									0.026
12/5/2016									
12/6/2016								0.0385	
2/14/2017									0.0299
2/15/2017								0.039	
4/14/2017									0.0275
4/17/2017									
4/18/2017								0.0392	
5/26/2017									0.0328
6/2/2017								0.0407	
7/10/2017									0.0305
7/11/2017									
7/14/2017								0.0394	
3/26/2018									0.029
3/27/2018								0.039	
6/12/2018									0.031
6/13/2018								0.038	
10/16/2018									0.034
10/17/2018									
10/18/2018								0.037	
2/25/2019									0.03
2/28/2019								0.041	
4/1/2019									0.025
4/2/2019								0.031	
9/24/2019								0.035	0.03
2/19/2020									0.032
2/20/2020									
2/21/2020								0.03	
3/18/2020									0.028
3/19/2020								0.031	
9/3/2020	0.087	0.083	0.02						
9/23/2020									0.029
9/24/2020									
9/25/2020								0.03	
1/28/2021						0.061	0.076		
2/16/2021									0.028
2/17/2021									
2/18/2021				0.026				0.031	
2/22/2021	0.13								
2/23/2021						0.054	0.095		
3/8/2021		0.068							
3/24/2021									0.027
3/29/2021		0.065							
3/30/2021						0.051	0.084	0.035	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			0.025						
4/1/2021	0.058								
4/19/2021				0.077	0.033				
8/18/2021			0.021		0.028				0.029
8/19/2021								0.028	
8/20/2021	0.12								
8/23/2021		0.07				0.044	0.063		
8/24/2021				0.094					
2/9/2022			0.023		0.049				
2/10/2022									0.027
2/11/2022								0.029	
2/14/2022						0.011	0.029		
2/15/2022		0.076							
2/17/2022	0.12			0.077					
7/26/2022			0.022		0.051				0.029
7/28/2022	0.084						0.021	0.028	
8/1/2022		0.066		0.062		0.0081			

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.034
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0305
10/4/2016	
10/5/2016	0.0289
10/6/2016	
12/2/2016	
12/5/2016	0.0269
12/6/2016	
2/14/2017	
2/15/2017	0.0299
4/14/2017	
4/17/2017	0.0318
4/18/2017	
5/26/2017	0.0341
6/2/2017	
7/10/2017	
7/11/2017	0.0355
7/14/2017	
3/26/2018	
3/27/2018	0.026
6/12/2018	0.024
6/13/2018	
10/16/2018	
10/17/2018	0.037
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.027
4/2/2019	
9/24/2019	0.035
2/19/2020	
2/20/2020	0.025
2/21/2020	
3/18/2020	
3/19/2020	0.028
9/3/2020	
9/23/2020	
9/24/2020	0.031
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.03
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.026
3/29/2021	
3/30/2021	

Time Series

Constituent: Barium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.025
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.026
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.029
7/28/2022	
8/1/2022	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.0005					<0.0005			
6/7/2016							<0.0005	<0.0005	
8/9/2016	<0.0005								
8/10/2016						<0.0005			
8/11/2016									
8/12/2016								<0.0005	
8/16/2016							<0.0005		
8/22/2016		<0.0005							
10/3/2016	<0.0005								
10/4/2016		<0.0005				<0.0005			
10/6/2016								<0.0005	
10/7/2016							<0.0005		
11/29/2016	<0.0005								
12/1/2016		<0.0005				<0.0005			
12/5/2016								<0.0005	
12/6/2016							<0.0005		
1/10/2017		<0.0005							
2/13/2017	<0.0005								
2/14/2017		<0.0005				<0.0005			
2/15/2017								<0.0005	
2/16/2017							<0.0005		
4/13/2017	<0.0005					<0.0005			
4/14/2017		<0.0005							
4/18/2017							<0.0005	<0.0005	
5/25/2017	<0.0005	<0.0005				<0.0005			
5/30/2017									
6/2/2017							<0.0005	<0.0005	
7/7/2017	<0.0005					<0.0005			
7/10/2017		<0.0005							
7/12/2017							<0.0005		
7/13/2017								<0.0005	
7/14/2017									
3/26/2018	<0.0005	<0.0005							
3/27/2018							<0.0005		
3/28/2018								<0.0005	
2/25/2019	<0.0005								
2/27/2019		<0.0005							
2/28/2019							<0.0005	7.6E-05 (J)	
4/1/2019	<0.0005	<0.0005						<0.0005	
4/2/2019						<0.0005	<0.0005		
4/3/2019			<0.0005						
9/23/2019	<0.0005	<0.0005				<0.0005			
9/25/2019							<0.0005	<0.0005	
9/26/2019									
9/27/2019			<0.0005						
2/18/2020	<0.0005					<0.0005			
2/19/2020		<0.0005							
2/20/2020							<0.0005		
2/21/2020			<0.0005						
2/24/2020								<0.0005	
3/18/2020	<0.0005	<0.0005							
3/19/2020						<0.0005		<0.0005	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.0005						
3/23/2020							<0.0005		
5/22/2020				<0.0005					<0.0005
5/25/2020					<0.0005				
6/23/2020				<0.0005	<0.0005				<0.0005
7/28/2020				<0.0005	<0.0005				<0.0005
9/2/2020				<0.0005					<0.0005
9/3/2020					<0.0005				
9/23/2020	<0.0005	<0.0005				<0.0005			
9/24/2020							<0.0005		
9/25/2020			<0.0005					<0.0005	
10/1/2020				<0.0005	5.7E-05 (J)				<0.0005
11/10/2020				<0.0005	<0.0005				<0.0005
12/15/2020				<0.0005	<0.0005				<0.0005
1/20/2021				<0.0005	<0.0005				<0.0005
2/16/2021	<0.0005	<0.0005							
2/17/2021				<0.0005	<0.0005				
2/18/2021						<0.0005	<0.0005		<0.0005
2/19/2021			<0.0005					4.6E-05 (J)	
3/23/2021		<0.0005							
3/24/2021								<0.0005	<0.0005
3/25/2021				<0.0005	<0.0005				
3/26/2021	<0.0005								
3/30/2021							<0.0005		
3/31/2021						<0.0005			
4/1/2021			<0.0005						
8/16/2021	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
8/18/2021							<0.0005	<0.0005	<0.0005
8/25/2021			<0.0005						
2/9/2022	<0.0005			<0.0005	<0.0005	<0.0005			<0.0005
2/10/2022		<0.0005							
2/11/2022							<0.0005	<0.0005	
2/16/2022			<0.0005						
7/26/2022	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			<0.0005
7/27/2022								<0.0005	
7/28/2022							<0.0005		
8/3/2022			<0.0005						

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.0005
8/9/2016	
8/10/2016	
8/11/2016	<0.0005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.0005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.0005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.0005
4/13/2017	
4/14/2017	
4/18/2017	<0.0005
5/25/2017	
5/30/2017	<0.0005
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.0005
3/26/2018	
3/27/2018	<0.0005
3/28/2018	
2/25/2019	8.7E-05 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	6.3E-05 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	8E-05 (J)
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	0.00012 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00012 (J)

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.00011 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.00013 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.00014 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.00013 (J)
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.00013 (J)
2/16/2022	
7/26/2022	
7/27/2022	0.00017 (J)
7/28/2022	
8/3/2022	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.0005								
6/8/2016		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
6/9/2016							<0.0005	<0.0005	
8/11/2016	<0.0005								
8/12/2016		<0.0005	<0.0005	<0.0005					
8/15/2016									<0.0005
8/18/2016					<0.0005	<0.0005	<0.0005	<0.0005	
10/7/2016	<0.0005	<0.0005	<0.0005						
10/10/2016				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
12/6/2016	<0.0005	<0.0005							
12/7/2016			<0.0005	<0.0005			<0.0005	<0.0005	
12/8/2016					<0.0005	<0.0005			<0.0005
1/23/2017									
2/7/2017									
2/16/2017	<0.0005	<0.0005	<0.0005						
2/17/2017				<0.0005	<0.0005	<0.0005			
2/20/2017							<0.0005	<0.0005	<0.0005
3/27/2017									
4/17/2017									
4/19/2017	<0.0005	<0.0005	8E-05 (J)	<0.0005	<0.0005		<0.0005	<0.0005	
4/20/2017						<0.0005			<0.0005
5/22/2017									
5/30/2017	<0.0005								
6/1/2017		9E-05 (J)	7E-05 (J)	<0.0005	<0.0005				<0.0005
6/5/2017						<0.0005	<0.0005	<0.0005	
7/11/2017									
7/14/2017	<0.0005	<0.0005	<0.0005						
7/17/2017							<0.0005	<0.0005	<0.0005
7/18/2017				<0.0005	<0.0005				
7/19/2017						<0.0005			
8/23/2017									
3/26/2018									
3/27/2018	<0.0005	<0.0005	<0.0005						
3/28/2018				<0.0005	<0.0005				<0.0005
3/29/2018						<0.0005	<0.0005	<0.0005	
2/27/2019	<0.0005	0.00011 (J)		<0.0005					
3/1/2019			<0.0005			0.00012 (J)	<0.0005	<0.0005	<0.0005
4/2/2019	<0.0005	5.2E-05 (J)							
4/3/2019			<0.0005	<0.0005	<0.0005	6.7E-05 (J)	<0.0005	<0.0005	
4/4/2019									<0.0005
9/26/2019	<0.0005	<0.0005	<0.0005	<0.0005					
9/27/2019						9.9E-05 (J)	<0.0005		
9/30/2019					<0.0005			9.3E-05 (J)	<0.0005
2/24/2020	<0.0005	<0.0005	<0.0005	<0.0005					
2/25/2020						9.3E-05 (J)	<0.0005		
2/26/2020					<0.0005			0.0001 (J)	<0.0005
3/19/2020	<0.0005								
3/20/2020		7.6E-05 (J)	<0.0005		<0.0005	8.8E-05 (J)			
3/23/2020				<0.0005			<0.0005		
3/24/2020									<0.0005
3/25/2020								0.0001 (J)	
9/24/2020	5.4E-05 (J)	<0.0005			<0.0005	0.00012 (J)	5.4E-05 (J)		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.00013 (J)	
9/28/2020			8.8E-05 (J)	<0.0005					<0.0005
2/18/2021	6.5E-05 (J)	6.8E-05 (J)	5.2E-05 (J)	<0.0005					
2/19/2021					<0.0005	0.00013 (J)	<0.0005	0.00018 (J)	
2/23/2021									<0.0005
3/8/2021									
3/24/2021	<0.0005	6.1E-05 (J)							
3/25/2021									
3/26/2021			5.5E-05 (J)				<0.0005	<0.0005	<0.0005
3/29/2021				<0.0005	<0.0005	0.00011 (J)			
8/19/2021	6.1E-05 (J)	<0.0005							<0.0005
8/20/2021			8.7E-05 (J)	<0.0005	<0.0005				
8/23/2021						0.00011 (J)	<0.0005	0.00017 (J)	
2/11/2022	<0.0005								
2/14/2022							<0.0005		
2/15/2022						0.00012 (J)		0.00027 (J)	
2/16/2022		6.3E-05 (J)	0.0001 (J)	<0.0005	<0.0005				<0.0005
7/27/2022	5.8E-05 (J)	<0.0005	6.1E-05 (J)	<0.0005					<0.0005
7/28/2022					<0.0005				
8/1/2022							<0.0005		
8/2/2022						0.00012 (J)		<0.0005	
10/21/2022								0.00022 (JR)	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	<0.0005
2/7/2017	<0.0005
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	<0.0005
4/17/2017	<0.0005
4/19/2017	
4/20/2017	
5/22/2017	<0.0005
5/30/2017	
6/1/2017	
6/5/2017	<0.0005
7/11/2017	<0.0005
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	<0.0005
3/26/2018	<0.0005
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.0005
4/2/2019	<0.0005
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	<0.0005
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	<0.0005
3/19/2020	
3/20/2020	
3/23/2020	<0.0005
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	<0.0005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.0005
3/24/2021	
3/25/2021	<0.0005
3/26/2021	
3/29/2021	
8/19/2021	<0.0005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.0005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.0005
8/2/2022	
10/21/2022	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					7E-05 (J)				
4/4/2019	<0.0005		<0.0005	<0.0005					
4/5/2019		<0.0005							
9/24/2019	<0.0005		<0.0005						
9/26/2019		<0.0005		<0.0005					
9/27/2019					<0.0005				
2/25/2020				<0.0005		<0.0005			
2/26/2020	<0.0005				<0.0005				
2/27/2020		<0.0005	<0.0005				8.8E-05 (J)	<0.0005	
2/28/2020									<0.0005
3/23/2020	<0.0005				<0.0005				
3/24/2020		<0.0005	<0.0005			<0.0005	<0.0005	7.9E-05 (J)	
3/25/2020				<0.0005					<0.0005
9/2/2020							6E-05 (J)		
9/25/2020		<0.0005		<0.0005		<0.0005			
9/28/2020	<0.0005		<0.0005		<0.0005				
9/29/2020								<0.0005	<0.0005
2/19/2021			<0.0005						
2/22/2021	<0.0005			<0.0005		<0.0005		<0.0005	<0.0005
2/23/2021		<0.0005							
3/8/2021					<0.0005				
3/9/2021							<0.0005		
3/25/2021					<0.0005				
3/26/2021				<0.0005		<0.0005			
3/29/2021	<0.0005						<0.0005		
3/30/2021		<0.0005	<0.0005						<0.0005
3/31/2021								<0.0005	
8/19/2021							5.9E-05 (J)		
8/20/2021	<0.0005			<0.0005		<0.0005			
8/23/2021					<0.0005				
8/24/2021			<0.0005					<0.0005	<0.0005
8/25/2021		<0.0005							
2/14/2022					<0.0005		<0.0005		
2/15/2022									
2/16/2022	<0.0005	<0.0005	<0.0005					<0.0005	<0.0005
2/17/2022				<0.0005		<0.0005			
7/28/2022	<0.0005		<0.0005	<0.0005		<0.0005			<0.0005
7/29/2022		<0.0005			<0.0005				
8/2/2022							5.4E-05 (J)	<0.0005	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.0005
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.0005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.0005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.0005
8/25/2021	
2/14/2022	
2/15/2022	<0.0005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.0005
8/2/2022	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.0005
6/8/2016								<0.0005	
8/10/2016									<0.0005
8/11/2016								<0.0005	
10/4/2016									<0.0005
10/5/2016									
10/6/2016								<0.0005	
12/2/2016									<0.0005
12/5/2016									
12/6/2016								<0.0005	
2/14/2017									<0.0005
2/15/2017								<0.0005	
4/14/2017									<0.0005
4/17/2017									
4/18/2017								<0.0005	
5/26/2017									<0.0005
6/2/2017								<0.0005	
7/10/2017									<0.0005
7/11/2017									
7/14/2017								<0.0005	
3/26/2018									<0.0005
3/27/2018								<0.0005	
2/25/2019									<0.0005
2/28/2019								<0.0005	
4/1/2019									<0.0005
4/2/2019								<0.0005	
9/24/2019								<0.0005	<0.0005
2/19/2020									<0.0005
2/20/2020									
2/21/2020								<0.0005	
3/18/2020									<0.0005
3/19/2020								<0.0005	
9/3/2020	<0.0005	<0.0005	<0.0005						
9/23/2020									<0.0005
9/24/2020									
9/25/2020								<0.0005	
1/28/2021						8.3E-05 (J)	<0.0005		
2/16/2021									<0.0005
2/17/2021									
2/18/2021				<0.0005				<0.0005	
2/22/2021	<0.0005								
2/23/2021						0.00011 (J)	<0.0005		
3/8/2021		<0.0005							
3/24/2021									<0.0005
3/29/2021		<0.0005							
3/30/2021						0.00021 (J)	5.2E-05 (J)	<0.0005	
3/31/2021				<0.0005					
4/1/2021	<0.0005								
4/19/2021				<0.0005	<0.0005				
8/18/2021				<0.0005	<0.0005				<0.0005
8/19/2021								<0.0005	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.0005								
8/23/2021		<0.0005				0.00013 (J)	<0.0005		
8/24/2021				<0.0005					
2/9/2022			<0.0005		<0.0005				
2/10/2022									<0.0005
2/11/2022								<0.0005	
2/14/2022						7E-05 (J)	<0.0005		
2/15/2022		<0.0005							
2/17/2022	<0.0005			<0.0005					
7/26/2022			<0.0005		<0.0005				<0.0005
7/28/2022	<0.0005						<0.0005	<0.0005	
8/1/2022		<0.0005		<0.0005		<0.0005			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.0005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.0005
10/4/2016	
10/5/2016	<0.0005
10/6/2016	
12/2/2016	
12/5/2016	<0.0005
12/6/2016	
2/14/2017	
2/15/2017	<0.0005
4/14/2017	
4/17/2017	<0.0005
4/18/2017	
5/26/2017	<0.0005
6/2/2017	
7/10/2017	
7/11/2017	<0.0005
7/14/2017	
3/26/2018	
3/27/2018	<0.0005
2/25/2019	
2/28/2019	
4/1/2019	<0.0005
4/2/2019	
9/24/2019	<0.0005
2/19/2020	
2/20/2020	<0.0005
2/21/2020	
3/18/2020	
3/19/2020	<0.0005
9/3/2020	
9/23/2020	
9/24/2020	<0.0005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.0005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.0005
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.0005
8/19/2021	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.0005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.0005
7/28/2022	
8/1/2022	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.04					<0.04			
6/7/2016							0.37	1.1	
8/9/2016	0.0336 (J)								
8/10/2016						0.0876 (J)			
8/11/2016									
8/12/2016								0.867	
8/16/2016							0.525		
8/22/2016		0.0132 (J)							
10/3/2016	0.0226 (J)								
10/4/2016		0.0065 (J)				0.0145 (J)			
10/6/2016								0.863	
10/7/2016							0.492		
11/29/2016	0.0085 (J)								
12/1/2016		<0.04				0.0146 (J)			
12/5/2016								0.879	
12/6/2016							0.515		
1/10/2017		<0.04							
2/13/2017	<0.04								
2/14/2017		<0.04				0.0114 (J)			
2/15/2017								0.886	
2/16/2017							0.482		
4/13/2017	0.0084 (J)					0.0195 (J)			
4/14/2017		<0.04							
4/18/2017							0.515	0.941	
5/25/2017	0.01 (J)	<0.04				0.0179 (J)			
5/30/2017									
6/2/2017							0.513	1.02	
7/7/2017	0.009 (J)					0.019 (J)			
7/10/2017		<0.04							
7/12/2017							0.508		
7/13/2017								0.945	
7/14/2017									
10/9/2017	0.0063 (J)					0.0271 (J)			
10/10/2017		<0.04						0.908	
10/11/2017							0.486		
6/12/2018	0.0058 (J)	0.0056 (J)							
6/14/2018							0.54	1	
10/16/2018	0.0066 (J)	0.0071 (J)				0.0088 (J)			
10/17/2018								1	
10/18/2018							0.49		
4/1/2019	0.0076 (J)	0.0048 (J)						0.86 (J)	
4/2/2019						0.037 (J)	0.51 (J)		
4/3/2019			0.66 (o)						
5/2/2019	0.015 (J)								
7/9/2019			0.027 (J)						
9/23/2019	0.0069 (J)	0.0052 (J)				0.0099 (J)			
9/25/2019							0.49	1.1	
9/26/2019									
9/27/2019			0.033 (J)						
2/18/2020						0.017 (J)			
2/19/2020		0.0057 (J)							
2/21/2020			0.02 (J)						

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/18/2020	0.016 (J)	0.0054 (J)							
3/19/2020						0.021 (J)		1	
3/20/2020			0.043 (J)						
3/23/2020							0.5		
5/22/2020				0.024 (J)					0.54
5/25/2020					0.018 (J)				
6/23/2020				0.019 (J)	0.015 (J)				0.45
7/28/2020				0.03 (J)	0.024 (J)				0.97
9/2/2020				0.022 (J)					1.1
9/3/2020					0.022 (J)				
9/23/2020	0.0086 (J)	<0.04				0.0081 (J)			
9/24/2020							0.47		
9/25/2020			0.02 (J)					1	
10/1/2020				0.025 (J)	0.027 (J)				1.2
11/10/2020				0.025 (J)	0.032 (J)				1.1
12/15/2020				0.031 (J)	0.034 (J)				1.2
1/20/2021				0.022 (J)	0.034 (J)				1.1
3/23/2021		<0.04							
3/24/2021								1.2	0.6
3/25/2021				0.017 (J)	0.026 (J)				
3/26/2021	0.0094 (J)								
3/30/2021							0.56		
3/31/2021						0.013 (J)			
4/1/2021			0.0069 (J)						
8/16/2021	0.013 (J)	<0.04		0.021 (J)	0.034 (J)	0.012 (J)			
8/18/2021							0.51	1.2	1.3
8/25/2021			0.0093 (J)						
2/9/2022	0.0099 (J)			0.017 (J)	0.038 (J)	0.019 (J)			0.57
2/10/2022		0.012 (J)							
2/11/2022							0.5	1.2	
2/16/2022			0.01 (J)						
7/26/2022	0.014 (J)	0.013 (J)		0.022 (J)	0.017 (J)	0.017 (J)			1.3
7/27/2022								1.2	
7/28/2022							0.52		
8/3/2022			0.015 (J)						

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	1.7
8/9/2016	
8/10/2016	
8/11/2016	1.37
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	1.49
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	1.65
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	1.73
4/13/2017	
4/14/2017	
4/18/2017	1.77
5/25/2017	
5/30/2017	1.52
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	1.26
10/9/2017	
10/10/2017	
10/11/2017	1.36
6/12/2018	1.3
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	1.3
4/1/2019	
4/2/2019	1.1
4/3/2019	
5/2/2019	
7/9/2019	
9/23/2019	
9/25/2019	
9/26/2019	1.5
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/18/2020	
3/19/2020	1.3
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	1.3
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	1.3
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	1.5
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	1.5
2/16/2022	
7/26/2022	
7/27/2022	1.7
7/28/2022	
8/3/2022	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	1.5								
6/8/2016		1.2	0.49	2.6	0.12	7.6			0.029 (J)
6/9/2016							12	26	
8/11/2016	1.41								
8/12/2016		0.895	0.647	2.74					
8/15/2016									0.0228 (J)
8/18/2016					0.191	8.37	5.2	22	
10/7/2016	1.76	1.33	0.868						
10/10/2016				3	0.13	9.46	6.13	18.1	0.0305 (J)
12/6/2016	1.79	1.5							
12/7/2016			0.51	3.08			5.7	9.19	
12/8/2016					0.144	11.1			0.0164 (J)
1/23/2017									
2/7/2017									
2/16/2017	1.63	0.753	0.68						
2/17/2017				3.63	0.0685	12.2			
2/20/2017							5.7	31.4	0.0154 (J)
3/27/2017									
4/17/2017									
4/19/2017	1.47	0.762	0.701	4.68	0.0743		8.79	31.4	
4/20/2017						13.3			0.0283 (J)
5/22/2017									
5/30/2017	1.7								
6/1/2017		0.663	0.383	3.57	0.0499				0.0467
6/5/2017						9.19	6.39	29	
7/11/2017									
7/14/2017	1.26	0.787	0.645						
7/17/2017							7.06	33.8	0.0171 (J)
7/18/2017				3.37	0.0544				
7/19/2017						10.6			
8/23/2017									
10/10/2017									
10/11/2017	1.37	0.889	0.594	3.54			7.18	31.7	0.0141 (J)
10/12/2017					0.0494	12.7			
6/13/2018				3.6			8.3	30.1	
6/14/2018	1.4	0.75			0.035 (J)	11			0.017 (J)
6/15/2018			0.44						
10/17/2018	1.4								
10/18/2018		0.8							
10/19/2018			0.65		0.028 (J)				
10/22/2018				3.6		16.1	9	44.7	0.03 (J)
4/2/2019	0.95 (J)	0.56 (J)							
4/3/2019			0.51	2.6	0.12	7.9	6.5	23.3	
4/4/2019									0.02 (J)
5/2/2019						10.1			
9/26/2019	2.5	1.1	0.96	4.4					
9/27/2019						16.4	12		
9/30/2019					0.04 (J)			36.8	0.038 (J)
2/25/2020						11.2			
2/26/2020									
3/19/2020	1								
3/20/2020		0.53	0.29		0.03 (J)	11.1			

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/23/2020				3.5			13		
3/24/2020									0.032 (J)
3/25/2020								34.5	
9/24/2020	1.5	0.72			0.037 (J)	18.8	13.7		
9/25/2020								30.8	
9/28/2020			0.4	3.7					0.049 (J)
3/24/2021	1.1	0.5							
3/25/2021									
3/26/2021			0.24				15.8	31	0.17
3/29/2021				4.1	0.038 (J)	17.3			
7/19/2021						17.8	14	24	
7/20/2021									
8/19/2021	1.3	0.57							0.038 (J)
8/20/2021			0.29	3.3	0.045				
8/23/2021						17.2	14.4	22.8	
11/1/2021						18.3	17	25.8	
2/11/2022	1.2								
2/14/2022							18.1		
2/15/2022						19.3		28.5	
2/16/2022		0.56	0.35	4.2	0.053				0.048
7/27/2022	1.2	0.53	0.43	3.8					0.051
7/28/2022					0.035 (J)				
8/1/2022							14.8		
8/2/2022						21.5		0.52	
10/21/2022								19.7 (R)	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	18.6
2/7/2017	20.4
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	19.1
4/17/2017	21.8
4/19/2017	
4/20/2017	
5/22/2017	26
5/30/2017	
6/1/2017	
6/5/2017	18.6
7/11/2017	25
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	20.2
10/10/2017	17
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	8.5
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	9.5
4/2/2019	6.1 (J)
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	2.4
9/30/2019	
2/25/2020	
2/26/2020	1.5
3/19/2020	
3/20/2020	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	2.4
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	2.1
9/28/2020	
3/24/2021	
3/25/2021	1.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	1.4
8/19/2021	2.6
8/20/2021	
8/23/2021	
11/1/2021	3.2
2/11/2022	
2/14/2022	3.5
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	2.7
8/2/2022	
10/21/2022	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					9.7				
10/18/2018	1.1								
10/19/2018			0.19						
10/22/2018		4		8.8					
4/2/2019					6.7 (J)				
4/4/2019	0.59 (J)		0.15	8.3					
4/5/2019		4.6 (J)							
5/3/2019		3.4							
9/24/2019	0.72		0.26						
9/26/2019		6.1		10					
9/27/2019					6.8				
11/15/2019		6.3							
12/13/2019								13.4	
12/16/2019									2.5
2/25/2020				6.5		2.3			
2/26/2020					2.8				
2/27/2020							11		
3/23/2020	0.68				3.4				
3/24/2020		3	0.22			2	12.3	3.2	
3/25/2020				4.1					1.9
5/4/2020									
9/2/2020							7.8		
9/25/2020		5.5		3.2		1.6			
9/28/2020	0.66		0.28		4.8				
9/29/2020								11.1	2.7
3/25/2021					5.9				
3/26/2021				11.2		1.5			
3/29/2021	0.7						6.8		
3/30/2021		5.2	0.27						3.6
3/31/2021								6.7	
8/19/2021							5.5		
8/20/2021	0.72			8.8		1.4			
8/23/2021					5.3				
8/24/2021			0.36					9	3.4
8/25/2021		4							
11/1/2021							6.5		
2/14/2022					5.7		7.9		
2/15/2022									
2/16/2022	0.73	4.2	0.38					9	3.9
2/17/2022				12.2		1.3			
7/28/2022	0.69		0.4	11		1.3			2.9
7/29/2022		3.8			4.6				
8/2/2022							7.1	10.5	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	1.1
9/2/2020	0.91
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	1.1
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	1.1
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	1.2
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	1.3
8/2/2022	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.02
6/8/2016								1.7	
8/10/2016									0.117
8/11/2016								1.95	
10/4/2016									0.177
10/5/2016									
10/6/2016								2.06	
12/2/2016									0.0668
12/5/2016									
12/6/2016								2.05	
2/14/2017									0.122
2/15/2017								2.01	
4/14/2017									0.054
4/17/2017									
4/18/2017								2.58	
5/26/2017									0.0817
6/2/2017								2.22	
7/10/2017									0.0534
7/11/2017									
7/14/2017								1.85	
10/10/2017									0.0515
10/11/2017								1.72	
6/12/2018									0.074
6/13/2018								1.8	
10/16/2018									0.16
10/17/2018									
10/18/2018								1.9	
4/1/2019									0.046 (J)
4/2/2019								1.4	
9/24/2019								1.6	0.06
3/18/2020									0.058
3/19/2020								1.4	
5/4/2020		14.1	0.12						
5/11/2020	2.4								
5/20/2020	2.2	15.9							
9/3/2020	1.6	14.6	0.083 (J)						
9/23/2020									0.054 (J)
9/24/2020									
9/25/2020								1.3	
1/28/2021						24.9	9.7		
3/24/2021									0.04 (J)
3/29/2021		12.8							
3/30/2021						23.3	9.7	1.4	
3/31/2021			0.038 (J)						
4/1/2021	1.9								
4/19/2021				7.8	0.16				
7/20/2021		12.2							
8/18/2021			0.048		0.041				0.093
8/19/2021								1.3	
8/20/2021	1.9								
8/23/2021		13.3				21.1	7.7		

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/24/2021				8					
2/9/2022			0.033 (J)		0.034 (J)				
2/10/2022									0.051
2/11/2022								1.2	
2/14/2022						4.5	1.2		
2/15/2022		14.4							
2/17/2022	1.9			7.5					
7/26/2022			0.036 (J)		0.035 (J)				0.052
7/28/2022	1.9						0.87	1.1	
8/1/2022		14.4		7.5		2.9			

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.55
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.612
10/4/2016	
10/5/2016	0.659
10/6/2016	
12/2/2016	
12/5/2016	0.71
12/6/2016	
2/14/2017	
2/15/2017	0.707
4/14/2017	
4/17/2017	0.675
4/18/2017	
5/26/2017	0.711
6/2/2017	
7/10/2017	
7/11/2017	0.633
7/14/2017	
10/10/2017	0.619
10/11/2017	
6/12/2018	0.56
6/13/2018	
10/16/2018	
10/17/2018	0.61
10/18/2018	
4/1/2019	0.5
4/2/2019	
9/24/2019	0.51
3/18/2020	
3/19/2020	0.41
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.44
9/25/2020	
1/28/2021	
3/24/2021	0.45
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	0.47
8/19/2021	
8/20/2021	
8/23/2021	

Time Series

Constituent: Boron (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/24/2021	
2/9/2022	
2/10/2022	0.46
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.47
7/28/2022	
8/1/2022	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.0005					<0.0005			
6/7/2016							<0.0005	<0.0005	
8/9/2016	<0.0005								
8/10/2016						<0.0005			
8/11/2016									
8/12/2016								<0.0005	
8/16/2016							<0.0005		
8/22/2016		<0.0005							
10/3/2016	<0.0005								
10/4/2016		<0.0005				<0.0005			
10/6/2016								<0.0005	
10/7/2016							<0.0005		
11/29/2016	<0.0005								
12/1/2016		<0.0005				<0.0005			
12/5/2016								<0.0005	
12/6/2016							<0.0005		
1/10/2017		9E-05 (J)							
2/13/2017	<0.0005								
2/14/2017		<0.0005				<0.0005			
2/15/2017								<0.0005	
2/16/2017							<0.0005		
4/13/2017	<0.0005					<0.0005			
4/14/2017		<0.0005							
4/18/2017							<0.0005	<0.0005	
5/25/2017	<0.0005	<0.0005				<0.0005			
5/30/2017									
6/2/2017							<0.0005	<0.0005	
7/7/2017	<0.0005					<0.0005			
7/10/2017		<0.0005							
7/12/2017							<0.0005		
7/13/2017								<0.0005	
7/14/2017									
3/26/2018	<0.0005	<0.0005							
3/27/2018							<0.0005		
3/28/2018								<0.0005	
6/12/2018	<0.0005	<0.0005							
6/14/2018							<0.0005	<0.0005	
10/16/2018	<0.0005	<0.0005				<0.0005			
10/17/2018								<0.0005	
10/18/2018							<0.0005		
2/25/2019	<0.0005								
2/27/2019		<0.0005							
2/28/2019							<0.0005	<0.0005	
4/1/2019	<0.0005	<0.0005						<0.0005	
4/2/2019						<0.0005	<0.0005		
4/3/2019			<0.0005						
9/23/2019	<0.0005	<0.0005				<0.0005			
9/25/2019							<0.0005	<0.0005	
9/26/2019									
9/27/2019			<0.0005						
2/18/2020	<0.0005					<0.0005			
2/19/2020		<0.0005							

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							<0.0005		
2/21/2020			<0.0005						
2/24/2020								<0.0005	
3/18/2020	<0.0005	<0.0005							
3/19/2020						<0.0005		<0.0005	
3/20/2020			<0.0005						
3/23/2020							<0.0005		
5/22/2020				<0.0005					<0.0005
5/25/2020					<0.0005				
6/23/2020				<0.0005	<0.0005				<0.0005
7/28/2020				<0.0005	<0.0005				<0.0005
9/2/2020				<0.0005					0.00014 (J)
9/3/2020					<0.0005				
9/23/2020	<0.0005	<0.0005				<0.0005			
9/24/2020							<0.0005		
9/25/2020			<0.0005					<0.0005	
10/1/2020				<0.0005	<0.0005				0.00019 (J)
11/10/2020				<0.0005	<0.0005				0.00019 (J)
12/15/2020				<0.0005	<0.0005				0.00017
1/20/2021				<0.0005	<0.0005				<0.0005
2/16/2021	<0.0005	<0.0005							
2/17/2021				<0.0005	<0.0005				
2/18/2021						<0.0005	<0.0005		<0.0005
2/19/2021			<0.0005					<0.0005	
3/23/2021		<0.0005							
3/24/2021								<0.0005	0.00016 (J)
3/25/2021				<0.0005	<0.0005				
3/26/2021	0.00018 (J)								
3/30/2021							<0.0005		
3/31/2021						<0.0005			
4/1/2021			<0.0005						
8/16/2021	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
8/18/2021							<0.0005	<0.0005	0.00021 (J)
8/25/2021			<0.0005						
2/9/2022	<0.0005			<0.0005	<0.0005	<0.0005			0.00021 (J)
2/10/2022		<0.0005							
2/11/2022							<0.0005	<0.0005	
2/16/2022			<0.0005						
7/26/2022	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			0.0004 (J)
7/27/2022								<0.0005	
7/28/2022							<0.0005		
8/3/2022			<0.0005						

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	0.0011 (J)
8/9/2016	
8/10/2016	
8/11/2016	0.0011
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0012
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.0012
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0015
4/13/2017	
4/14/2017	
4/18/2017	0.0012
5/25/2017	
5/30/2017	0.0011
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0012
3/26/2018	
3/27/2018	0.0013
3/28/2018	
6/12/2018	0.0011
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.0012
2/25/2019	0.0016
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0014
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.0017 (J)
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.0019 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.0017 (J)
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.0018 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0018
2/19/2021	
3/23/2021	
3/24/2021	0.0018
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.0018
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.0019
2/16/2022	
7/26/2022	
7/27/2022	0.0024
7/28/2022	
8/3/2022	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.0005								
6/8/2016		0.00063 (J)	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
6/9/2016							<0.0005	0.00052 (J)	
8/11/2016	0.0001 (J)								
8/12/2016		0.0004 (J)	<0.0005	<0.0005					
8/15/2016									<0.0005
8/18/2016					<0.0005	<0.0005	<0.0005	0.0009 (J)	
10/7/2016	0.0002 (J)	0.0008 (J)	0.0001 (J)						
10/10/2016				<0.0005	<0.0005	<0.0005	<0.0005	0.0017	<0.0005
12/6/2016	0.0001 (J)	0.0006 (J)							
12/7/2016			<0.0005	<0.0005			<0.0005	0.0004 (J)	
12/8/2016					<0.0005	0.0002 (J)			<0.0005
1/23/2017									
2/7/2017									
2/16/2017	0.0001 (J)	0.0002 (J)	<0.0005						
2/17/2017				8E-05 (J)	<0.0005	<0.0005			
2/20/2017							<0.0005	0.0028	<0.0005
3/27/2017									
4/17/2017									
4/19/2017	0.0001 (J)	9E-05 (J)	<0.0005	<0.0005	<0.0005		<0.0005	0.0035	
4/20/2017						<0.0005			<0.0005
5/22/2017									
5/30/2017	0.0002 (J)								
6/1/2017		0.0003 (J)	0.0001 (J)	<0.0005	<0.0005				<0.0005
6/5/2017						<0.0005	<0.0005	0.0035	
7/11/2017									
7/14/2017	0.0002 (J)	0.0002 (J)	<0.0005						
7/17/2017							<0.0005	0.0037	<0.0005
7/18/2017				<0.0005	<0.0005				
7/19/2017						<0.0005			
8/23/2017									
3/26/2018									
3/27/2018	<0.0005	<0.0005	<0.0005						
3/28/2018				<0.0005	<0.0005				<0.0005
3/29/2018						<0.0005	<0.0005	0.0063	
6/13/2018				<0.0005			<0.0005	0.0053	
6/14/2018	0.00015 (J)	<0.0005			<0.0005	<0.0005			<0.0005
6/15/2018			<0.0005						
10/17/2018	<0.0005								
10/18/2018		0.00032 (J)							
10/19/2018			<0.0005		<0.0005				
10/22/2018				<0.0005		<0.0005	<0.0005	0.0053	<0.0005
2/27/2019	<0.0005	<0.0005		<0.0005					
3/1/2019			<0.0005			0.00013 (J)	0.00019 (J)	0.0058	<0.0005
4/2/2019	<0.0005	7.3E-05 (J)							
4/3/2019			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0053	
4/4/2019									<0.0005
9/26/2019	0.00015 (J)	<0.0005	0.0002 (J)	<0.0005					
9/27/2019						<0.0005	<0.0005		
9/30/2019					<0.0005			0.0075	<0.0005
2/24/2020	<0.0005	0.00024 (J)	<0.0005	<0.0005					
2/25/2020						<0.0005	<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					<0.0005			0.0064	<0.0005
3/19/2020	<0.0005								
3/20/2020		<0.0005	<0.0005		<0.0005	<0.0005			
3/23/2020				<0.0005			<0.0005		
3/24/2020									<0.0005
3/25/2020								0.0082	
9/24/2020	0.00024 (J)	<0.0005			<0.0005	0.00033 (J)	<0.0005		
9/25/2020								0.0081	
9/28/2020			<0.0005	<0.0005					<0.0005
2/18/2021	<0.0005	<0.0005	<0.0005	<0.0005					
2/19/2021					<0.0005	0.00038 (J)	<0.0005	0.0068	
2/23/2021									<0.0005
3/8/2021									
3/24/2021	<0.0005	<0.0005							
3/25/2021									
3/26/2021			<0.0005				<0.0005	0.0062	<0.0005
3/29/2021				<0.0005	<0.0005	<0.0005			
8/19/2021	0.00017 (J)	<0.0005							<0.0005
8/20/2021			<0.0005	<0.0005	<0.0005				
8/23/2021						0.00019 (J)	<0.0005	0.0039	
2/11/2022	0.00016 (J)								
2/14/2022							<0.0005		
2/15/2022						0.0002 (J)		0.0042	
2/16/2022		<0.0005	<0.0005	<0.0005	<0.0005				<0.0005
7/27/2022	0.00029 (J)	<0.0005	<0.0005	<0.0005					<0.0005
7/28/2022					<0.0005				
8/1/2022							<0.0005		
8/2/2022						0.00012 (J)		0.00026 (J)	
10/21/2022								0.0031 (R)	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0003 (J)
2/7/2017	0.0006 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0003 (J)
4/17/2017	0.0002 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0003 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0003 (J)
7/11/2017	0.0005 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0004 (J)
3/26/2018	<0.0005
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.0002 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	<0.0005
2/27/2019	
3/1/2019	<0.0005
4/2/2019	7.9E-05 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	<0.0005
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	<0.0005
3/19/2020	
3/20/2020	
3/23/2020	<0.0005
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.0005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.0005
3/24/2021	
3/25/2021	<0.0005
3/26/2021	
3/29/2021	
8/19/2021	<0.0005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.0005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.0005
8/2/2022	
10/21/2022	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					<0.0005				
10/18/2018	<0.0005								
10/19/2018			<0.0005						
10/22/2018		<0.0005		<0.0005					
4/2/2019					<0.0005				
4/4/2019	<0.0005		<0.0005	<0.0005					
4/5/2019		<0.0005							
9/24/2019	<0.0005		<0.0005						
9/26/2019		<0.0005		<0.0005					
9/27/2019					<0.0005				
2/25/2020				<0.0005		<0.0005			
2/26/2020	<0.0005				<0.0005				
2/27/2020		<0.0005	<0.0005				0.00081 (J)	<0.0005	
2/28/2020									<0.0005
3/23/2020	<0.0005				<0.0005				
3/24/2020		<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	
3/25/2020				<0.0005					<0.0005
9/2/2020							0.00032 (J)		
9/25/2020		<0.0005		<0.0005		<0.0005			
9/28/2020	<0.0005		<0.0005		<0.0005				
9/29/2020								0.0002 (J)	<0.0005
2/19/2021			<0.0005						
2/22/2021	<0.0005			<0.0005		<0.0005		0.00014 (J)	<0.0005
2/23/2021		<0.0005							
3/8/2021					<0.0005				
3/9/2021							<0.0005		
3/25/2021					<0.0005				
3/26/2021				<0.0005		<0.0005			
3/29/2021	<0.0005						<0.0005		
3/30/2021		<0.0005	<0.0005						<0.0005
3/31/2021								0.00018 (J)	
8/19/2021							<0.0005		
8/20/2021	<0.0005			<0.0005		<0.0005			
8/23/2021					<0.0005				
8/24/2021			<0.0005					0.00031 (J)	<0.0005
8/25/2021		<0.0005							
2/14/2022					<0.0005		<0.0005		
2/15/2022									
2/16/2022	<0.0005	<0.0005	<0.0005					0.00012 (J)	<0.0005
2/17/2022				<0.0005		<0.0005			
7/28/2022	<0.0005		<0.0005	<0.0005		<0.0005			<0.0005
7/29/2022		<0.0005			<0.0005				
8/2/2022							<0.0005	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.0005
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.0005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.0005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.0005
8/25/2021	
2/14/2022	
2/15/2022	<0.0005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.0005
8/2/2022	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.0005
6/8/2016								<0.0005	
8/10/2016									<0.0005
8/11/2016								<0.0005	
10/4/2016									<0.0005
10/5/2016									
10/6/2016								<0.0005	
12/2/2016									<0.0005
12/5/2016									
12/6/2016								<0.0005	
2/14/2017									<0.0005
2/15/2017								<0.0005	
4/14/2017									<0.0005
4/17/2017									
4/18/2017								<0.0005	
5/26/2017									<0.0005
6/2/2017								<0.0005	
7/10/2017									<0.0005
7/11/2017									
7/14/2017								<0.0005	
3/26/2018									<0.0005
3/27/2018								<0.0005	
6/12/2018									<0.0005
6/13/2018								<0.0005	
10/16/2018									<0.0005
10/17/2018									
10/18/2018								<0.0005	
2/25/2019									<0.0005
2/28/2019								<0.0005	
4/1/2019									<0.0005
4/2/2019								<0.0005	
9/24/2019								<0.0005	<0.0005
2/19/2020									<0.0005
2/20/2020									
2/21/2020								<0.0005	
3/18/2020									<0.0005
3/19/2020								<0.0005	
9/3/2020	<0.0005	0.0011 (J)	<0.0005						
9/23/2020									<0.0005
9/24/2020									
9/25/2020								<0.0005	
1/28/2021						0.00031 (J)	0.00025 (J)		
2/16/2021									<0.0005
2/17/2021									
2/18/2021				<0.0005				<0.0005	
2/22/2021	<0.0005								
2/23/2021						0.00043 (J)	<0.0005		
3/8/2021		0.0003 (J)							
3/24/2021									<0.0005
3/29/2021		0.00019 (J)							
3/30/2021						0.0007	0.00018 (J)	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			<0.0005						
4/1/2021	<0.0005								
4/19/2021				<0.0005	<0.0005				
8/18/2021			<0.0005		<0.0005				<0.0005
8/19/2021								<0.0005	
8/20/2021	<0.0005								
8/23/2021		0.00036 (J)				0.00043 (J)	0.00018 (J)		
8/24/2021				<0.0005					
2/9/2022			<0.0005		<0.0005				
2/10/2022									<0.0005
2/11/2022								<0.0005	
2/14/2022						<0.0005	<0.0005		
2/15/2022		0.0015							
2/17/2022	<0.0005			<0.0005					
7/26/2022			<0.0005		<0.0005				<0.0005
7/28/2022	<0.0005						<0.0005	<0.0005	
8/1/2022		0.0011		<0.0005		<0.0005			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.0005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.0005
10/4/2016	
10/5/2016	<0.0005
10/6/2016	
12/2/2016	
12/5/2016	<0.0005
12/6/2016	
2/14/2017	
2/15/2017	<0.0005
4/14/2017	
4/17/2017	<0.0005
4/18/2017	
5/26/2017	<0.0005
6/2/2017	
7/10/2017	
7/11/2017	<0.0005
7/14/2017	
3/26/2018	
3/27/2018	<0.0005
6/12/2018	<0.0005
6/13/2018	
10/16/2018	
10/17/2018	<0.0005
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	<0.0005
4/2/2019	
9/24/2019	<0.0005
2/19/2020	
2/20/2020	<0.0005
2/21/2020	
3/18/2020	
3/19/2020	<0.0005
9/3/2020	
9/23/2020	
9/24/2020	<0.0005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.0005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.0005
3/29/2021	
3/30/2021	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.0005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.0005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.0005
7/28/2022	
8/1/2022	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	39					59			
6/7/2016							50	90	
8/9/2016	32.2								
8/10/2016						56			
8/11/2016									
8/12/2016								76.6	
8/16/2016							49.2		
8/22/2016		21.4							
10/3/2016	34.1								
10/4/2016		20.9				51.4			
10/6/2016								78.7	
10/7/2016							52.6		
11/29/2016	29.7								
12/1/2016		19.8				55.9			
12/5/2016								80.9	
12/6/2016							55.4		
1/10/2017		20.4							
2/13/2017	31.2								
2/14/2017		20.9				51.1			
2/15/2017								90.7	
2/16/2017							53.2		
4/13/2017	30.5					53.4			
4/14/2017		20.7 (J)							
4/18/2017							58	94.8	
5/25/2017	33.8	22.8 (J)				59.8			
5/30/2017									
6/2/2017							55.8	108	
7/7/2017	33.1					57.8			
7/10/2017		22.3							
7/12/2017							58.1		
7/13/2017								111	
7/14/2017									
10/9/2017	33.6					58.9			
10/10/2017		4.09						93	
10/11/2017							55.7		
6/12/2018	32.4	20.3 (J)							
6/14/2018							58.4	109	
10/16/2018	34.6	19.4 (J)				55.6			
10/17/2018								110	
10/18/2018							57.8		
4/1/2019	48.2	24.6						94.8	
4/2/2019						64.1	57.8		
4/3/2019			44.9						
5/2/2019	44.8								
9/23/2019	36.3	19.2				57.9			
9/25/2019							58.1	115	
9/26/2019									
9/27/2019			41.2						
2/18/2020						66.3			
2/19/2020		20.8							
2/21/2020			50.1						
3/18/2020	40.1	22.4							

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/19/2020						67.8		120	
3/20/2020			52.2						
3/23/2020							61.1		
5/22/2020				74					73.4
5/25/2020					36.5				
6/23/2020				99.5	39.4				80.1
7/28/2020				96.2	40.3				140
9/2/2020				109					159
9/3/2020					51.8				
9/23/2020	45.2	20.1				67.3			
9/24/2020							58.8		
9/25/2020			51.8					135	
10/1/2020				107	61.9				162
11/10/2020				117	80.3				170
12/15/2020				110	70.3				169
1/20/2021				111	67.5				157
3/23/2021		22.1							
3/24/2021								144	91.9
3/25/2021				109	68.3				
3/26/2021	46.7								
3/30/2021							61.3		
3/31/2021						63.4			
4/1/2021			49.5						
8/16/2021	48.3	21.5		108	61	66.2			
8/18/2021							61.1	156	166
8/25/2021			46.3						
2/9/2022	52.3			112	46.3	65.7			97.5
2/10/2022		20.3							
2/11/2022							66.2	164	
2/16/2022			47.5						
7/26/2022	46.7	20		105	34.5	66.1			185
7/27/2022								175	
7/28/2022							63		
8/3/2022			69.4						

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	120
8/9/2016	
8/10/2016	
8/11/2016	111
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	103
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	117
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	124
4/13/2017	
4/14/2017	
4/18/2017	120
5/25/2017	
5/30/2017	111
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	109
10/9/2017	
10/10/2017	
10/11/2017	109
6/12/2018	104
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	112
4/1/2019	
4/2/2019	117
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	136
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
3/19/2020	130
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	141
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	140
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	139
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	160
2/16/2022	
7/26/2022	
7/27/2022	194
7/28/2022	
8/3/2022	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	65								
6/8/2016		76	55	200	43	350			32
6/9/2016							300	800	
8/11/2016	61								
8/12/2016		61.7	61.2	196					
8/15/2016									33.1
8/18/2016					38.6	370	290	730	
10/7/2016	71	84.7	70.2						
10/10/2016				198	37.5	375	296	680	41
12/6/2016	68.7	88.1							
12/7/2016			48.6	215			271	387	
12/8/2016					43.4	434			38.5
1/23/2017									
2/7/2017									
2/16/2017	65.5	53.7	64.7						
2/17/2017				221	41	434			
2/20/2017							323	823	40.7
3/27/2017									
4/17/2017									
4/19/2017	68.9	57.1	69.5	240	39.4		298	893 (J)	
4/20/2017						422			40.7
5/22/2017									
5/30/2017	72.6								
6/1/2017		44.8	50.8	286	42.3				44.2
6/5/2017						398	310	1080	
7/11/2017									
7/14/2017	70.6	60	67						
7/17/2017							319	1120	41.9
7/18/2017				244	40.9				
7/19/2017						461			
8/23/2017									
10/10/2017									
10/11/2017	67.3	67	57.3	222			438	1310	41.1
10/12/2017					43.3	515			
6/13/2018				234			385	970	
6/14/2018	65.7	53.1			39.4	482			44.8
6/15/2018			49.7						
10/17/2018	69.7								
10/18/2018		60.4							
10/19/2018			63.1		40.6				
10/22/2018				241		575	424	1150	52.2
4/2/2019	63.9	53.3							
4/3/2019			51.3	220	43.4	458	396	945	
4/4/2019									54.8
5/2/2019						647			
9/26/2019	94.2	91.7	80.8	243					
9/27/2019						658	533		
9/30/2019					43.2			1050	47.8
2/25/2020						445			
2/26/2020									
3/19/2020	68.1								
3/20/2020		49.3	52.1		48.2	514			

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:56 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/23/2020				253			602		
3/24/2020									49.6
3/25/2020								1100	
9/24/2020	84.9	68.7			42	750	647		
9/25/2020								998	
9/28/2020			50.1	273					50.7
3/24/2021	72	48.2							
3/25/2021									
3/26/2021			46.4				717	821	52.8
3/29/2021				296	46.6	714			
7/19/2021						693	728	717	
7/20/2021									
8/19/2021	74	49.2							51.2
8/20/2021			47.2	262	45.1				
8/23/2021						681	638	827	
11/1/2021						708	695	808	
2/11/2022	83.5								
2/14/2022							740		
2/15/2022						680		791	
2/16/2022		49	60.5	288	44.1				51.4
7/27/2022	80.9	65.9	63.2	284					52.1
7/28/2022					43.1				
8/1/2022							559		
8/2/2022						717		90	
10/21/2022								600 (R)	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	372
2/7/2017	351
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	417
4/17/2017	415
4/19/2017	
4/20/2017	
5/22/2017	885
5/30/2017	
6/1/2017	
6/5/2017	413
7/11/2017	449
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	409
10/10/2017	339
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	198
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	230
4/2/2019	181
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	103
9/30/2019	
2/25/2020	
2/26/2020	85.3
3/19/2020	
3/20/2020	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	107
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	93.3
9/28/2020	
3/24/2021	
3/25/2021	81.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	87.8
8/19/2021	109
8/20/2021	
8/23/2021	
11/1/2021	108
2/11/2022	
2/14/2022	129
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	111
8/2/2022	
10/21/2022	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					262				
10/18/2018	90.1								
10/19/2018			105						
10/22/2018		234		384					
4/2/2019					200				
4/4/2019	69.3		104	442					
4/5/2019		265							
5/3/2019		203							
9/24/2019	70.7		102						
9/26/2019		290		417					
9/27/2019					184				
11/15/2019		346							
12/13/2019								558	
12/16/2019									162
2/25/2020				341		107			
2/26/2020					107				
2/27/2020							268		
3/23/2020	72.5				122				
3/24/2020		210	112			112	314	161	
3/25/2020				234					160
5/4/2020									
9/2/2020							228		
9/25/2020		338		169		99.9			
9/28/2020	77.8		117		165				
9/29/2020								576	165
3/25/2021					162				
3/26/2021				529		103			
3/29/2021	77.2						161		
3/30/2021		289	112						158
3/31/2021								336	
8/19/2021							124		
8/20/2021	78.7			379		100			
8/23/2021					174				
8/24/2021			110					439	150
8/25/2021		244							
11/1/2021							144		
2/14/2022					188		187		
2/15/2022									
2/16/2022	81.4	247	127					424	155
2/17/2022				483		112			
7/28/2022	75.4		123	403		109			138
7/29/2022		226			156				
8/2/2022							186	488	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	155
9/2/2020	159
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	166
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	173
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	198
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	202
8/2/2022	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									7.9
6/8/2016								140	
8/10/2016									36.8
8/11/2016								141	
10/4/2016									39.7
10/5/2016									
10/6/2016								147	
12/2/2016									37.8
12/5/2016									
12/6/2016								146	
2/14/2017									35.2
2/15/2017								163	
4/14/2017									37.5
4/17/2017									
4/18/2017								155	
5/26/2017									41.7
6/2/2017								156	
7/10/2017									39
7/11/2017									
7/14/2017								157	
10/10/2017									36.9
10/11/2017								137	
6/12/2018									38.1
6/13/2018								151	
10/16/2018									44.8
10/17/2018									
10/18/2018								154	
4/1/2019									47.2
4/2/2019								140	
9/24/2019								151	42.4
3/18/2020									43
3/19/2020								142	
5/4/2020		361	51.1						
5/11/2020	109								
5/20/2020	76.6	335							
9/3/2020	100	383	50.2						
9/23/2020									41.6
9/24/2020									
9/25/2020								138	
1/28/2021						624	350		
3/24/2021									42.1
3/29/2021		326							
3/30/2021						562	353	145	
3/31/2021			50.9						
4/1/2021	94								
4/19/2021				204	50.8				
7/20/2021		297							
8/18/2021			54.2		56.7				44.5
8/19/2021								141	
8/20/2021	99.7								
8/23/2021		349				561	286		

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/24/2021				238					
2/9/2022			49.1		60.3				
2/10/2022									44.9
2/11/2022								148	
2/14/2022						155	72.8		
2/15/2022		344							
2/17/2022	98.4			239					
7/26/2022			49.7		61.1				41.8
7/28/2022	93.4						52.3	136	
8/1/2022		350		236		112			

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	66
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	65.2
10/4/2016	
10/5/2016	66.7
10/6/2016	
12/2/2016	
12/5/2016	74.6
12/6/2016	
2/14/2017	
2/15/2017	74.6
4/14/2017	
4/17/2017	65.6
4/18/2017	
5/26/2017	70.4
6/2/2017	
7/10/2017	
7/11/2017	66.9
7/14/2017	
10/10/2017	61.7
10/11/2017	
6/12/2018	53.4
6/13/2018	
10/16/2018	
10/17/2018	63
10/18/2018	
4/1/2019	59.3
4/2/2019	
9/24/2019	57.6
3/18/2020	
3/19/2020	61.5
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	59
9/25/2020	
1/28/2021	
3/24/2021	59.9
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	63
8/19/2021	
8/20/2021	
8/23/2021	

Time Series

Constituent: Calcium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/24/2021	
2/9/2022	
2/10/2022	65.6
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	66.3
7/28/2022	
8/1/2022	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	2.9					5.6			
6/7/2016							19	44	
8/9/2016	2.5								
8/10/2016						5.3			
8/11/2016									
8/12/2016								43	
8/16/2016							20		
8/22/2016		4.2							
10/3/2016	2.5								
10/4/2016		2.1				5.6			
10/6/2016								41	
10/7/2016							21		
11/29/2016	2.6								
12/1/2016		1.8				6.2			
12/5/2016								41	
12/6/2016							22		
1/10/2017		1.6							
2/13/2017	2.1								
2/14/2017		1.9				8.8			
2/15/2017								39	
2/16/2017							22		
4/13/2017	2.1					10			
4/14/2017		1.5							
4/18/2017							21	39	
5/25/2017	2.4	1.5				11			
5/30/2017									
6/2/2017							20	37	
7/7/2017	1.9					12			
7/10/2017		1.6							
7/12/2017							23		
7/13/2017								38	
7/14/2017									
10/9/2017	1.9					18			
10/10/2017		1.7						38	
10/11/2017							24		
6/12/2018	3.4	1.8							
6/14/2018							23.1	30.5	
10/16/2018	3.3	1.5				10.7			
10/17/2018								30.7	
10/18/2018							26.9		
4/1/2019	4.2	1.6						24.1	
4/2/2019						9	24.1		
4/3/2019			5.2						
5/2/2019	4.3								
9/23/2019	3.1	1.2				8.6			
9/25/2019							25.1	23.6	
9/26/2019									
9/27/2019			394 (o)						
2/18/2020						8.2			
2/19/2020		1.3							
2/21/2020			2.6						
3/18/2020	3.1	1.4							

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/19/2020						7.8		20.5	
3/20/2020			4						
3/23/2020							20.8		
5/22/2020				6.6					32
5/25/2020					4				
6/23/2020				5.9	5.5				15.7
7/28/2020				5.9	4.6				20.6
9/2/2020				6					18.9
9/3/2020					6.3				
9/23/2020	4.2	1.1				8.4			
9/24/2020							25.4		
9/25/2020			3.3					20.2	
10/1/2020				6	7.5				18.6
11/10/2020				5.5	7.7				19.6
12/15/2020				6.3	8				20.7
1/20/2021				5.7	7.2				21.9
3/23/2021		1.2							
3/24/2021								18.4	14.1
3/25/2021				5.7	7.5				
3/26/2021	3.6								
3/30/2021							23.8		
3/31/2021						13.4			
4/1/2021			2.9						
8/16/2021	3.4	1.1		5.7	8	15.6			
8/18/2021							25.1	15.8	17.1
8/25/2021			3.3						
2/9/2022	3.7			5.4	8.9	10.1			10.8
2/10/2022		1.2							
2/11/2022							28.2	16.4	
2/16/2022			2.8						
7/26/2022	3.2	0.97 (J)		5.5	4.6	8.5			19.6
7/27/2022								16.2	
7/28/2022							30		
8/3/2022			3.4						

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	37
8/9/2016	
8/10/2016	
8/11/2016	41
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	44
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	48
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	46
4/13/2017	
4/14/2017	
4/18/2017	41
5/25/2017	
5/30/2017	38
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	35
10/9/2017	
10/10/2017	
10/11/2017	36
6/12/2018	27.2
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	25.2
4/1/2019	
4/2/2019	20.3
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	28.7
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
3/19/2020	22
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	28.8
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	24
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	19.9
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	22.3
2/16/2022	
7/26/2022	
7/27/2022	23.1
7/28/2022	
8/3/2022	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	26								
6/8/2016		48	23	130	7.1	440			6.4
6/9/2016							480	1900	
8/11/2016	34								
8/12/2016		27	26	130					
8/15/2016									4.3
8/18/2016					6.9	500	400	1600	
10/7/2016	38	72	41						
10/10/2016				140	7.1	480	390	1400	3.5
12/6/2016	45	73							
12/7/2016			23	130			450	970	
12/8/2016					6.3	540			2.8
1/23/2017									
2/7/2017									
2/16/2017	40	19	31						
2/17/2017				140	5.6	570			
2/20/2017							470	1900	4.2
3/27/2017									
4/17/2017									
4/19/2017	38	13	30	140	5		420	1900	
4/20/2017						740			4.1
5/22/2017									
5/30/2017	41								
6/1/2017		8	13	130	4.9				4.4
6/5/2017						530	450	1900	
7/11/2017									
7/14/2017	36	11	19						
7/17/2017							470	2100	5
7/18/2017				140	4.2				
7/19/2017						540			
8/23/2017									
10/10/2017									
10/11/2017	45	24	19	130			510	1600	4.1
10/12/2017					4.8	700			
6/13/2018				150			598	1880	
6/14/2018	33.3	7.3			3.3	725			3.4
6/15/2018			9.3						
10/17/2018	41.8								
10/18/2018		10.9							
10/19/2018			15.3		4.1				
10/22/2018				149		827	639	2050	3.9
4/2/2019	18.7	4.5							
4/3/2019			9.7	144	5	856	679	1890	
4/4/2019									3.8
5/2/2019						999			
9/26/2019	47.1	60.5	26	128					
9/27/2019						996	918		
9/30/2019					4.7			2040	5.2
2/25/2020						547			
2/26/2020									
3/19/2020	21.9								
3/20/2020		5.3	6.6		4.2	665			

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/23/2020				125			788		
3/24/2020									3.6
3/25/2020								1670	
9/24/2020	50.1	30.3			4	1050	988		
9/25/2020								1640	
9/28/2020			8.6	152					5.6
3/24/2021	35.6	6.1							
3/25/2021									
3/26/2021			5.8				928	1240	5.7
3/29/2021				131	5	886			
7/19/2021						579	570	575	
7/20/2021									
8/19/2021	38.2	10.4							5.1
8/20/2021			4.4	144	4.4				
8/23/2021						879	898	1250	
11/1/2021						744	688	661	
2/11/2022	38.5								
2/14/2022							925		
2/15/2022						789		1120	
2/16/2022		7.7	6.7	141	4				5.7
7/27/2022	43.2	14.9	7.8	169					6.2
7/28/2022					4.7				
8/1/2022							794		
8/2/2022						828		17.1	
10/21/2022								836 (R)	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	780
2/7/2017	780
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	790
4/17/2017	770
4/19/2017	
4/20/2017	
5/22/2017	890
5/30/2017	
6/1/2017	
6/5/2017	870
7/11/2017	840
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	800
10/10/2017	730
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	390
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	400
4/2/2019	333
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	143
9/30/2019	
2/25/2020	
2/26/2020	100
3/19/2020	
3/20/2020	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	117
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	127
9/28/2020	
3/24/2021	
3/25/2021	85.5
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	95.3
8/19/2021	117
8/20/2021	
8/23/2021	
11/1/2021	133
2/11/2022	
2/14/2022	146
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	114
8/2/2022	
10/21/2022	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					492				
10/18/2018	51.2								
10/19/2018			28						
10/22/2018		274		573					
4/2/2019					378				
4/4/2019	32.7		28.4	605					
4/5/2019		270							
5/3/2019		257							
9/24/2019	38		32.2						
9/26/2019		358		500					
9/27/2019					357				
11/15/2019		455							
12/13/2019								703	
12/16/2019									254
2/25/2020				441		160			
2/26/2020					185				
2/27/2020							386		
3/23/2020	28.4				187				
3/24/2020		203	28.4			127	445	155	
3/25/2020				291					219
5/4/2020									
9/2/2020							309		
9/25/2020		449		435		105			
9/28/2020	34.5		36.6		277				
9/29/2020								792	218
3/25/2021					248				
3/26/2021				696		87.7			
3/29/2021	9.4						227		
3/30/2021		355	37.2						175
3/31/2021								337	
8/19/2021							155		
8/20/2021	34.9			545		92.3			
8/23/2021					268				
8/24/2021			40.1					521	156
8/25/2021		274							
11/1/2021							206		
2/14/2022					241		237		
2/15/2022									
2/16/2022	30.9	262	39.2					409	150
2/17/2022				627		105			
7/28/2022	32.9		44.9	666		138			149
7/29/2022		292			283				
8/2/2022							244	560	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	218
9/2/2020	210
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	261
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	262
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	296
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	381
8/2/2022	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									2
6/8/2016								11	
8/10/2016									2.1
8/11/2016								11	
10/4/2016									2.3
10/5/2016									
10/6/2016								11	
12/2/2016									2.1
12/5/2016									
12/6/2016								11	
2/14/2017									2
2/15/2017								12	
4/14/2017									1.7
4/17/2017									
4/18/2017								12	
5/26/2017									1.6
6/2/2017								11	
7/10/2017									1.5
7/11/2017									
7/14/2017								11	
10/10/2017									1.9
10/11/2017								12	
6/12/2018									2.3
6/13/2018								10.8	
10/16/2018									2.6
10/17/2018									
10/18/2018								11.7	
4/1/2019									1.8
4/2/2019								9.4	
9/24/2019								8	1.5
3/18/2020									1.5
3/19/2020								8.4	
5/4/2020		535	12.7						
5/11/2020	84.6								
5/20/2020	73.4	550							
9/3/2020	115	564	18.6						
9/23/2020									1.5
9/24/2020									
9/25/2020								13.1	
1/28/2021						835	484		
3/24/2021									1.5
3/29/2021		443							
3/30/2021						772	472	8.8	
3/31/2021			21.9						
4/1/2021	98.2								
4/19/2021				419	25.6				
7/20/2021		384							
8/18/2021			12.8		10				1.7
8/19/2021								7.6	
8/20/2021	131								
8/23/2021		478				756	384		

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/24/2021				433					
2/9/2022			17		15.3				
2/10/2022									1.6
2/11/2022								8	
2/14/2022						128	46.8		
2/15/2022		496							
2/17/2022	126			410					
7/26/2022			14.7		18.2				1.6
7/28/2022	117						33.9	8.9	
8/1/2022		487		415		95.4			

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	27
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	30
10/4/2016	
10/5/2016	36
10/6/2016	
12/2/2016	
12/5/2016	40
12/6/2016	
2/14/2017	
2/15/2017	38
4/14/2017	
4/17/2017	35
4/18/2017	
5/26/2017	35
6/2/2017	
7/10/2017	
7/11/2017	33
7/14/2017	
10/10/2017	35
10/11/2017	
6/12/2018	21.3
6/13/2018	
10/16/2018	
10/17/2018	29.4
10/18/2018	
4/1/2019	13.4
4/2/2019	
9/24/2019	13.2
3/18/2020	
3/19/2020	7.3
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	9.2
9/25/2020	
1/28/2021	
3/24/2021	8
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	8.5
8/19/2021	
8/20/2021	
8/23/2021	

Time Series

Constituent: Chloride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/24/2021	
2/9/2022	
2/10/2022	8.9
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	10.9
7/28/2022	
8/1/2022	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.005					<0.005			
6/7/2016							<0.005	<0.005	
8/9/2016	0.0019 (J)								
8/10/2016						0.0044 (J)			
8/11/2016									
8/12/2016								<0.005	
8/16/2016							<0.005		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		0.0013 (J)				<0.005			
10/6/2016								<0.005	
10/7/2016							<0.005		
11/29/2016	<0.005								
12/1/2016		<0.005				<0.005			
12/5/2016								<0.005	
12/6/2016							<0.005		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							<0.005		
4/13/2017	0.0005 (J)					<0.005			
4/14/2017		0.0005 (J)							
4/18/2017							<0.005	<0.005	
5/25/2017	<0.005	0.0004 (J)				<0.005			
5/30/2017									
6/2/2017							<0.005	0.0003 (J)	
7/7/2017	0.0008 (J)					<0.005			
7/10/2017		0.0005 (J)							
7/12/2017							<0.005		
7/13/2017								<0.005	
7/14/2017									
3/26/2018	<0.005	<0.005							
3/27/2018							<0.005		
3/28/2018								<0.005	
2/25/2019	<0.005								
2/27/2019		<0.005							
2/28/2019							<0.005	<0.005	
4/1/2019	<0.005	<0.005						<0.005	
4/2/2019						<0.005	<0.005		
4/3/2019			<0.005						
9/23/2019	<0.005	0.00047 (J)				<0.005			
9/25/2019							<0.005	0.00055 (J)	
9/26/2019									
9/27/2019			<0.005						
2/18/2020	0.00048 (J)					<0.005			
2/19/2020		0.00053 (J)							
2/20/2020							<0.005		
2/21/2020			0.00051 (J)						
2/24/2020								<0.005	
3/18/2020	<0.005	0.00052 (J)							
3/19/2020						0.0015 (J)		0.0004 (J)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			0.0007 (J)						
3/23/2020							0.0011 (J)		
5/22/2020				0.00044 (J)					<0.005
5/25/2020					<0.005				
6/23/2020				0.00043 (J)	0.00042 (J)				<0.005
7/28/2020				<0.005	<0.005				<0.005
9/2/2020				<0.005					<0.005
9/3/2020					<0.005				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005		
9/25/2020			0.00083 (J)					0.00058 (J)	
10/1/2020				0.0014 (J)	0.00056 (J)				<0.005
11/10/2020				0.00059 (J)	<0.005				<0.005
12/15/2020				0.00069	<0.005				<0.005
1/20/2021				0.00061 (J)	<0.005				<0.005
2/16/2021	<0.005	0.00071 (J)							
2/17/2021				0.00099 (J)	0.00069 (J)				
2/18/2021						<0.005	<0.005		0.026
2/19/2021			0.00077 (J)					<0.005	
3/23/2021		0.00059 (J)							
3/24/2021								0.00079 (J)	<0.005
3/25/2021				<0.005	<0.005				
3/26/2021	0.00071 (J)								
3/30/2021							<0.005		
3/31/2021						<0.005			
4/1/2021			0.00076 (J)						
8/16/2021	<0.005	<0.005		0.0022 (J)	<0.005	<0.005			
8/18/2021							<0.005	<0.005	<0.005
8/25/2021			<0.005						
2/9/2022	<0.005			<0.005	<0.005	<0.005			<0.005
2/10/2022		<0.005							
2/11/2022							<0.005	<0.005	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		<0.005	<0.005	<0.005			<0.005
7/27/2022								<0.005	
7/28/2022							<0.005		
8/3/2022			<0.005						

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.005
8/9/2016	
8/10/2016	
8/11/2016	<0.005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.005
4/13/2017	
4/14/2017	
4/18/2017	<0.005
5/25/2017	
5/30/2017	<0.005
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.005
3/26/2018	
3/27/2018	<0.005
3/28/2018	
2/25/2019	<0.005
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.005
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.005
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.005
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00071 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0019 (J)
2/19/2021	
3/23/2021	
3/24/2021	<0.005
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.005
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.005
2/16/2022	
7/26/2022	
7/27/2022	<0.005
7/28/2022	
8/3/2022	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.005								
6/8/2016		<0.005	<0.005	<0.005	<0.005	<0.005			<0.005
6/9/2016							<0.005	<0.005	
8/11/2016	<0.005								
8/12/2016		<0.005	<0.005	<0.005					
8/15/2016									<0.005
8/18/2016					<0.005	<0.005	<0.005	<0.005	
10/7/2016	<0.005	0.0011 (J)	<0.005						
10/10/2016				<0.005	<0.005	<0.005	<0.005	0.0009 (J)	<0.005
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	<0.005			0.002 (J)	<0.005	
12/8/2016					<0.005	<0.005			<0.005
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	<0.005			
2/20/2017							<0.005	<0.005	<0.005
3/27/2017									
4/17/2017									
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	<0.005	
4/20/2017						<0.005			<0.005
5/22/2017									
5/30/2017	<0.005								
6/1/2017		<0.005	<0.005	<0.005	<0.005				<0.005
6/5/2017						<0.005	<0.005	<0.005	
7/11/2017									
7/14/2017	<0.005	<0.005	<0.005						
7/17/2017							<0.005	<0.005	<0.005
7/18/2017				<0.005	<0.005				
7/19/2017						<0.005			
8/23/2017									
3/26/2018									
3/27/2018	<0.005	<0.005	<0.005						
3/28/2018				<0.005	<0.005				<0.005
3/29/2018						<0.005	<0.005	<0.005	
2/27/2019	<0.005	<0.005		0.0048 (J)					
3/1/2019			<0.005			<0.005	0.0033 (J)	<0.005	<0.005
4/2/2019	0.00044 (J)	<0.005							
4/3/2019			<0.005	0.00088 (J)	<0.005	<0.005	0.00057 (J)	<0.005	
4/4/2019									<0.005
9/26/2019	<0.005	<0.005	<0.005	0.0022 (J)					
9/27/2019						<0.005	<0.005		
9/30/2019					<0.005			<0.005	0.0021 (J)
2/24/2020	<0.005	<0.005	<0.005	0.00096 (J)					
2/25/2020						<0.005	<0.005		
2/26/2020					<0.005			0.00051 (J)	<0.005
3/19/2020	0.00039 (J)								
3/20/2020		0.00046 (J)	<0.005		0.00041 (J)	<0.005			
3/23/2020				0.00091 (J)			0.00043 (J)		
3/24/2020									<0.005
3/25/2020								<0.005	
9/24/2020	<0.005	<0.005			<0.005	<0.005	<0.005		

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.00058 (J)	
9/28/2020			<0.005	0.0028 (J)					<0.005
2/18/2021	<0.005	<0.005	<0.005	0.00078 (J)					
2/19/2021					<0.005	<0.005	<0.005	<0.005	
2/23/2021									<0.005
3/8/2021									
3/24/2021	<0.005	0.00065 (J)							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.005	<0.005
3/29/2021				0.0011 (J)	0.0025 (J)	<0.005			
8/19/2021	<0.005	<0.005							<0.005
8/20/2021			<0.005	<0.005	<0.005				
8/23/2021						<0.005	0.0015 (J)	<0.005	
2/11/2022	<0.005								
2/14/2022							<0.005		
2/15/2022						<0.005		<0.005	
2/16/2022		<0.005	<0.005	<0.005	<0.005				<0.005
7/27/2022	<0.005	<0.005	<0.005	<0.005					<0.005
7/28/2022					<0.005				
8/1/2022							<0.005		
8/2/2022						<0.005		<0.005	
10/21/2022								<0.005 (R)	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.001 (J)
2/7/2017	<0.005
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	<0.005
4/17/2017	<0.005
4/19/2017	
4/20/2017	
5/22/2017	0.0004 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0004 (J)
7/11/2017	0.0012 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0009 (J)
3/26/2018	<0.005
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.005
4/2/2019	0.00095 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00056 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	0.00073 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.00098 (J)
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	0.00087 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0011 (J)
3/24/2021	
3/25/2021	0.00082 (J)
3/26/2021	
3/29/2021	
8/19/2021	<0.005
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.0014 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.005
8/2/2022	
10/21/2022	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					0.001 (J)				
4/4/2019	<0.005		<0.005	0.0011 (J)					
4/5/2019		<0.005							
9/24/2019	0.00064 (J)		<0.005						
9/26/2019		0.00062 (J)		0.00067 (J)					
9/27/2019					0.0006 (J)				
2/25/2020				<0.005		<0.005			
2/26/2020	<0.005				<0.005				
2/27/2020		0.00072 (J)	<0.005				0.0031 (J)	<0.005	
2/28/2020									0.00043 (J)
3/23/2020	0.0011 (J)				<0.005				
3/24/2020		0.0012 (J)	<0.005			0.00068 (J)	0.00042 (J)	0.001 (J)	
3/25/2020				<0.005					0.00058 (J)
9/2/2020							<0.005		
9/25/2020		0.00057 (J)		0.00072 (J)		0.00068 (J)			
9/28/2020	0.00056 (J)		<0.005		<0.005				
9/29/2020								<0.005	0.00082 (J)
2/19/2021			<0.005						
2/22/2021	<0.005			<0.005		<0.005		<0.005	<0.005
2/23/2021		<0.005							
3/8/2021					0.00057 (J)				
3/9/2021							<0.005		
3/25/2021					0.00057 (J)				
3/26/2021				<0.005		<0.005			
3/29/2021	<0.005						<0.005		
3/30/2021		<0.005	<0.005						0.00081 (J)
3/31/2021								<0.005	
8/19/2021							<0.005		
8/20/2021	<0.005			<0.005		<0.005			
8/23/2021					<0.005				
8/24/2021			<0.005				<0.005		<0.005
8/25/2021		0.0043 (J)							
2/14/2022					<0.005		<0.005		
2/15/2022									
2/16/2022	<0.005	<0.005	<0.005					<0.005	0.0011 (J)
2/17/2022				<0.005		<0.005			
7/28/2022	<0.005		<0.005	<0.005		<0.005			<0.005
7/29/2022		<0.005			<0.005				
8/2/2022							<0.005	<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.005
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.00068 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.005
8/25/2021	
2/14/2022	
2/15/2022	<0.005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.005
8/2/2022	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.005
6/8/2016								<0.005	
8/10/2016									0.0052 (J)
8/11/2016								<0.005	
10/4/2016									0.0015 (J)
10/5/2016									
10/6/2016								<0.005	
12/2/2016									0.0013 (J)
12/5/2016									
12/6/2016								<0.005	
2/14/2017									<0.005
2/15/2017								<0.005	
4/14/2017									0.0011 (J)
4/17/2017									
4/18/2017								<0.005	
5/26/2017									0.0008 (J)
6/2/2017								<0.005	
7/10/2017									0.0009 (J)
7/11/2017									
7/14/2017								<0.005	
3/26/2018									<0.005
3/27/2018								<0.005	
2/25/2019									<0.005
2/28/2019								<0.005	
4/1/2019									0.00091 (J)
4/2/2019								<0.005	
9/24/2019								0.00055 (J)	0.063
2/19/2020									0.0011 (J)
2/20/2020									
2/21/2020								<0.005	
3/18/2020									0.0014 (J)
3/19/2020								0.00061 (J)	
9/3/2020	<0.005	<0.005	<0.005						
9/23/2020									0.0013 (J)
9/24/2020									
9/25/2020								<0.005	
1/28/2021						<0.005	<0.005		
2/16/2021									0.001 (J)
2/17/2021									
2/18/2021				0.00093 (J)				<0.005	
2/22/2021	0.0011 (J)								
2/23/2021						0.0006 (J)	<0.005		
3/8/2021		<0.005							
3/24/2021									0.0013 (J)
3/29/2021		<0.005							
3/30/2021						<0.005	0.00061 (J)	0.00095 (J)	
3/31/2021				0.00094 (J)					
4/1/2021	0.00062 (J)								
4/19/2021				0.00071 (J)	<0.005				
8/18/2021			<0.005		<0.005				0.0012 (J)
8/19/2021								<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.005								
8/23/2021		<0.005				<0.005	<0.005		
8/24/2021				<0.005					
2/9/2022			<0.005		<0.005				
2/10/2022									0.0014 (J)
2/11/2022								<0.005	
2/14/2022						<0.005	0.0013 (J)		
2/15/2022		0.0024 (J)							
2/17/2022	<0.005			<0.005					
7/26/2022			<0.005		<0.005				<0.005
7/28/2022	<0.005						<0.005	<0.005	
8/1/2022		<0.005		<0.005		<0.005			

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.005
10/4/2016	
10/5/2016	0.002 (J)
10/6/2016	
12/2/2016	
12/5/2016	<0.005
12/6/2016	
2/14/2017	
2/15/2017	<0.005
4/14/2017	
4/17/2017	<0.005
4/18/2017	
5/26/2017	<0.005
6/2/2017	
7/10/2017	
7/11/2017	<0.005
7/14/2017	
3/26/2018	
3/27/2018	<0.005
2/25/2019	
2/28/2019	
4/1/2019	<0.005
4/2/2019	
9/24/2019	<0.005
2/19/2020	
2/20/2020	<0.005
2/21/2020	
3/18/2020	
3/19/2020	<0.005
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.005
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.005
8/19/2021	

Time Series

Constituent: Chromium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.005
7/28/2022	
8/1/2022	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.005					<0.005			
6/7/2016							<0.005	<0.005	
8/9/2016	0.0005 (J)								
8/10/2016						0.0006 (J)			
8/11/2016									
8/12/2016								<0.005	
8/16/2016							<0.005		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005			
10/6/2016								<0.005	
10/7/2016							<0.005		
11/29/2016	<0.005								
12/1/2016		<0.005				<0.005			
12/5/2016									0.0006 (J)
12/6/2016							<0.005		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							<0.005		
4/13/2017	<0.005					<0.005			
4/14/2017		<0.005							
4/18/2017							<0.005	<0.005	
5/25/2017	<0.005	<0.005				<0.005			
5/30/2017									
6/2/2017							<0.005	<0.005	
7/7/2017	<0.005					<0.005			
7/10/2017		<0.005							
7/12/2017							<0.005		
7/13/2017									0.0003 (J)
7/14/2017									
3/26/2018	<0.005	<0.005							
3/27/2018							<0.005		
3/28/2018								<0.005	
6/12/2018	<0.005	<0.005							
6/14/2018							<0.005	<0.005	
10/16/2018	<0.005	<0.005				0.00094 (J)			
10/17/2018								<0.005	
10/18/2018							<0.005		
2/25/2019	<0.005								
2/27/2019		<0.005							
2/28/2019							<0.005	<0.005	
4/1/2019	0.00014 (J)	<0.005							0.00034 (J)
4/2/2019						0.00016 (J)	0.00027 (J)		
4/3/2019			0.00011 (J)						
5/2/2019	<0.005								
9/23/2019	0.00047 (J)	<0.005				0.00042 (J)			
9/25/2019							0.00056 (J)	0.0004 (J)	
9/26/2019									
9/27/2019			<0.005						
2/18/2020	<0.005					0.00032 (J)			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/19/2020		<0.005							
2/20/2020							<0.005		
2/21/2020			<0.005						
2/24/2020								0.00034 (J)	
3/18/2020	<0.005	<0.005							
3/19/2020						<0.005		0.00035 (J)	
3/20/2020			<0.005						
3/23/2020							0.00031 (J)		
5/22/2020				<0.005					0.00041 (J)
5/25/2020					<0.005				
6/23/2020				0.00031 (J)	<0.005				<0.005
7/28/2020				<0.005	0.00064 (J)				<0.005
9/2/2020				<0.005					0.001 (J)
9/3/2020					<0.005				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005		
9/25/2020			<0.005					0.00049 (J)	
10/1/2020				<0.005	0.00039 (J)				0.0018 (J)
11/10/2020				<0.005	<0.005				0.0016 (J)
12/15/2020				<0.005	<0.005				0.0018
1/20/2021				<0.005	<0.005				0.0019 (J)
2/16/2021	<0.005	<0.005							
2/17/2021				<0.005	<0.005				
2/18/2021						<0.005	<0.005		0.0013 (J)
2/19/2021			<0.005					0.00066 (J)	
3/23/2021		<0.005							
3/24/2021								0.00048 (J)	<0.005
3/25/2021				<0.005	<0.005				
3/26/2021	<0.005								
3/30/2021							0.00052 (J)		
3/31/2021						0.00094 (J)			
4/1/2021			<0.005						
8/16/2021	<0.005	<0.005		<0.005	<0.005	0.00052 (J)			
8/18/2021							0.00042 (J)	0.00085 (J)	0.0034 (J)
8/25/2021			<0.005						
2/9/2022	<0.005			<0.005	<0.005	0.0005 (J)			<0.005
2/10/2022		<0.005							
2/11/2022							0.00047 (J)	0.00057 (J)	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		<0.005	<0.005	<0.005			0.003 (J)
7/27/2022								<0.005	
7/28/2022							0.00058 (J)		
8/3/2022			<0.005						

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	0.0037
8/9/2016	
8/10/2016	
8/11/2016	0.0039 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0043 (J)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.005 (J)
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0054 (J)
4/13/2017	
4/14/2017	
4/18/2017	0.0054 (J)
5/25/2017	
5/30/2017	0.0045 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0049 (J)
3/26/2018	
3/27/2018	<0.005
3/28/2018	
6/12/2018	0.0048 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.0047 (J)
2/25/2019	0.0071 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0056 (J)
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.0093
9/27/2019	
2/18/2020	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
2/19/2020	
2/20/2020	0.0092
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.0089
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.0095
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0088
2/19/2021	
3/23/2021	
3/24/2021	0.0078
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.0098
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.0097
2/16/2022	
7/26/2022	
7/27/2022	0.012
7/28/2022	
8/3/2022	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.005								
6/8/2016		0.00071 (J)	<0.005	<0.005	0.00041 (J)	0.0079			<0.005
6/9/2016							<0.005	0.0026	
8/11/2016	<0.005								
8/12/2016		0.0006 (J)	<0.005	<0.005					
8/15/2016									<0.005
8/18/2016					<0.005	0.0109	<0.005	0.0021 (J)	
10/7/2016	<0.005	0.0005 (J)	<0.005						
10/10/2016				<0.005	<0.005	0.011	<0.005	0.0018 (J)	<0.005
12/6/2016	<0.005	0.0009 (J)							
12/7/2016			<0.005	0.0008 (J)			0.0015 (J)	0.0018 (J)	
12/8/2016					0.0006 (J)	0.013			0.0006 (J)
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	0.0122			
2/20/2017							<0.005	0.0027 (J)	<0.005
3/27/2017									
4/17/2017									
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	0.0032 (J)	
4/20/2017						0.0116			<0.005
5/22/2017									
5/30/2017	<0.005								
6/1/2017		<0.005	<0.005	<0.005	<0.005				<0.005
6/5/2017						0.0112	<0.005	0.0034 (J)	
7/11/2017									
7/14/2017	<0.005	<0.005	<0.005						
7/17/2017							<0.005	0.0033 (J)	<0.005
7/18/2017				<0.005	0.0004 (J)				
7/19/2017						0.0131			
8/23/2017									
3/26/2018									
3/27/2018	<0.005	<0.005	<0.005						
3/28/2018				<0.005	<0.005				<0.005
3/29/2018						0.016	<0.005	<0.005	
6/13/2018				<0.005			<0.005	0.0039 (J)	
6/14/2018	<0.005	<0.005			<0.005	0.017			<0.005
6/15/2018			<0.005						
10/17/2018	<0.005								
10/18/2018		<0.005							
10/19/2018			<0.005		<0.005				
10/22/2018				<0.005		0.021	<0.005	0.0043 (J)	<0.005
2/27/2019	<0.005	<0.005		<0.005					
3/1/2019			<0.005			0.017	<0.005	0.0055 (J)	<0.005
4/2/2019	0.00015 (J)	0.00012 (J)							
4/3/2019			7.2E-05 (J)	0.00024 (J)	0.00064 (J)	0.019	0.00058 (J)	0.0048 (J)	
4/4/2019									0.00022 (J)
5/2/2019						0.023 (J)			
9/26/2019	<0.005	<0.005	<0.005	<0.005					
9/27/2019						0.027	0.00034 (J)		
9/30/2019					0.0004 (J)			0.0048 (J)	<0.005
2/24/2020	<0.005	<0.005	<0.005	<0.005					

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/25/2020						0.017	0.00046 (J)		
2/26/2020					0.00037 (J)			0.0045 (J)	<0.005
3/19/2020	<0.005								
3/20/2020		<0.005	<0.005		<0.005	0.02			
3/23/2020				0.00036 (J)			0.0004 (J)		
3/24/2020									<0.005
3/25/2020								0.0037 (J)	
9/24/2020	<0.005	<0.005			0.00098 (J)	0.041	<0.005		
9/25/2020								0.0038 (J)	
9/28/2020			<0.005	<0.005					<0.005
2/18/2021	<0.005	<0.005	<0.005	<0.005					
2/19/2021					0.0013 (J)	0.032	0.00044 (J)	0.0042 (J)	
2/23/2021									<0.005
3/8/2021									
3/24/2021	<0.005	<0.005							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.005	<0.005
3/29/2021				<0.005	0.00069 (J)	0.029 (J)			
7/19/2021						0.039	<0.005	0.0034 (J)	
7/20/2021									
8/19/2021	<0.005	<0.005							<0.005
8/20/2021			<0.005	<0.005	0.00058 (J)				
8/23/2021						0.029	0.00047 (J)	0.0062	
11/1/2021						0.04	<0.005	0.0038 (J)	
2/11/2022	<0.005								
2/14/2022							<0.005		
2/15/2022						0.03		0.0037 (J)	
2/16/2022		<0.005	<0.005	<0.005	0.0021 (J)				<0.005
7/27/2022	<0.005	<0.005	<0.005	<0.005					<0.005
7/28/2022					0.0027 (J)				
8/1/2022							<0.005		
8/2/2022						0.034		<0.005	
10/21/2022								0.0026 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0012 (J)
2/7/2017	0.0008 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.001 (J)
4/17/2017	0.0009 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0008 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0008 (J)
7/11/2017	0.0008 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0006 (J)
3/26/2018	<0.005
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	<0.005
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	<0.005
2/27/2019	
3/1/2019	<0.005
4/2/2019	0.00022 (J)
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	<0.005
9/30/2019	
2/24/2020	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

2/25/2020	
2/26/2020	<0.005
3/19/2020	
3/20/2020	
3/23/2020	<0.005
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.005
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.005
3/24/2021	
3/25/2021	<0.005
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	<0.005
8/19/2021	0.002 (J)
8/20/2021	
8/23/2021	
11/1/2021	<0.005
2/11/2022	
2/14/2022	<0.005
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.005
8/2/2022	
10/21/2022	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.00057 (J)				
10/18/2018	0.00079 (J)								
10/19/2018			0.0012 (J)						
10/22/2018		0.0037 (J)		<0.005					
4/2/2019					0.0011 (J)				
4/4/2019	0.00051 (J)		0.00042 (J)	0.0011 (J)					
4/5/2019		0.011							
5/3/2019		0.0078 (J)							
9/24/2019	0.00041 (J)		<0.005						
9/26/2019		0.01		0.0019 (J)					
9/27/2019					0.0009 (J)				
11/15/2019		0.0077							
12/13/2019								0.0033 (J)	
2/25/2020				0.0011 (J)		0.0015 (J)			
2/26/2020	0.00031 (J)				0.00058 (J)				
2/27/2020		0.00095 (J)	<0.005				0.014	0.00047 (J)	
2/28/2020									0.00049 (J)
3/23/2020	0.00036 (J)				0.00049 (J)				
3/24/2020		0.0037 (J)	0.00039 (J)			0.0019 (J)	0.0065	<0.005	
3/25/2020				0.00046 (J)					0.00056 (J)
9/2/2020							0.0043 (J)		
9/25/2020		0.0081		0.00082 (J)		0.0011 (J)			
9/28/2020	0.00046 (J)		0.00048 (J)		0.00038 (J)				
9/29/2020								0.00061 (J)	0.00044 (J)
2/19/2021			0.00057 (J)						
2/22/2021	<0.005			0.0011 (J)		0.0007 (J)		<0.005	0.0006 (J)
2/23/2021		0.0062							
3/8/2021					<0.005				
3/9/2021							0.0014 (J)		
3/25/2021					<0.005				
3/26/2021				0.0015 (J)		0.0011 (J)			
3/29/2021	<0.005						0.0015 (J)		
3/30/2021		0.0014 (J)	0.00065 (J)						0.00052 (J)
3/31/2021								<0.005	
8/19/2021							0.004 (J)		
8/20/2021	<0.005			0.0018 (J)		0.00088 (J)			
8/23/2021					<0.005				
8/24/2021			0.00085 (J)					<0.005	0.00061 (J)
8/25/2021		0.0018 (J)							
11/1/2021							0.0033 (J)		
2/14/2022					<0.005		0.0019 (J)		
2/15/2022									
2/16/2022	<0.005	<0.005	0.001 (J)					<0.005	0.00052 (J)
2/17/2022				0.0024 (J)		0.00056 (J)			
7/28/2022	<0.005		0.0012 (J)	0.0038 (J)		<0.005			0.00042 (J)
7/29/2022		0.0022 (J)			<0.005				
8/2/2022							0.0019 (J)	<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.00075 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.00053 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.00044 (J)
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	<0.005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.0004 (J)
8/2/2022	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.00013 (J)
6/8/2016								0.00081 (J)	
8/10/2016									0.0003 (J)
8/11/2016								0.0007 (J)	
10/4/2016									<0.005
10/5/2016									
10/6/2016								<0.005	
12/2/2016									<0.005
12/5/2016									
12/6/2016								0.0009 (J)	
2/14/2017									<0.005
2/15/2017								<0.005	
4/14/2017									<0.005
4/17/2017									
4/18/2017								0.0005 (J)	
5/26/2017									<0.005
6/2/2017								0.0006 (J)	
7/10/2017									<0.005
7/11/2017									
7/14/2017								0.0006 (J)	
3/26/2018									<0.005
3/27/2018								<0.005	
6/12/2018									<0.005
6/13/2018								0.00068 (J)	
10/16/2018									<0.005
10/17/2018									
10/18/2018								<0.005	
2/25/2019									<0.005
2/28/2019								0.00067 (J)	
4/1/2019									5.6E-05 (J)
4/2/2019								0.00094 (J)	
9/24/2019								0.00078 (J)	0.0012 (J)
2/19/2020									<0.005
2/20/2020									
2/21/2020								0.00081 (J)	
3/18/2020									<0.005
3/19/2020								0.00091 (J)	
9/3/2020	<0.005	0.002 (J)	<0.005						
9/23/2020									<0.005
9/24/2020									
9/25/2020								0.00077 (J)	
1/28/2021						<0.005	0.0048 (J)		
2/16/2021									<0.005
2/17/2021									
2/18/2021			<0.005					0.00074 (J)	
2/22/2021	<0.005								
2/23/2021						<0.005	0.0033 (J)		
3/8/2021		0.0043 (J)							
3/24/2021									<0.005
3/29/2021		0.0057							
3/30/2021						<0.005	0.0031 (J)	0.00085 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			<0.005						
4/1/2021	<0.005								
4/19/2021				0.00079 (J)	0.0013 (J)				
7/20/2021		0.0057							
8/18/2021			<0.005		0.0016 (J)				<0.005
8/19/2021								0.0008 (J)	
8/20/2021	<0.005								
8/23/2021		0.0051				<0.005	0.0036 (J)		
8/24/2021				0.001 (J)					
2/9/2022			<0.005		0.00079 (J)				
2/10/2022									<0.005
2/11/2022								0.00068 (J)	
2/14/2022						<0.005	0.00044 (J)		
2/15/2022		0.0038 (J)							
2/17/2022	<0.005			0.00088 (J)					
7/26/2022			<0.005		0.00072 (J)				<0.005
7/28/2022	<0.005						0.00082 (J)	0.00074 (J)	
8/1/2022		0.0024 (J)		0.00065 (J)		<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.005
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.0003 (J)
10/4/2016	
10/5/2016	<0.005
10/6/2016	
12/2/2016	
12/5/2016	0.0006 (J)
12/6/2016	
2/14/2017	
2/15/2017	<0.005
4/14/2017	
4/17/2017	<0.005
4/18/2017	
5/26/2017	<0.005
6/2/2017	
7/10/2017	
7/11/2017	<0.005
7/14/2017	
3/26/2018	
3/27/2018	<0.005
6/12/2018	<0.005
6/13/2018	
10/16/2018	
10/17/2018	<0.005
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.00024 (J)
4/2/2019	
9/24/2019	<0.005
2/19/2020	
2/20/2020	<0.005
2/21/2020	
3/18/2020	
3/19/2020	<0.005
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.005
3/29/2021	
3/30/2021	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	<0.005
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.005
7/28/2022	
8/1/2022	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.838					0.239 (U)			
6/7/2016							0.616	0.024 (U)	
8/9/2016	1.18								
8/10/2016						1.19			
8/11/2016									
8/12/2016								0.849	
8/16/2016							1.08		
8/22/2016		0.356 (U)							
10/3/2016	0.815 (U)								
10/4/2016		0.0834 (U)				0.231 (U)			
10/6/2016								1.57	
10/7/2016							2.82		
11/29/2016	0.887 (U)								
12/1/2016		0.208 (U)				0.428 (U)			
12/5/2016								0.956	
12/6/2016							0.719 (U)		
1/10/2017		0.024 (U)							
2/13/2017	0.869 (U)								
2/14/2017		0.105 (U)				0.36 (U)			
2/15/2017								0.229 (U)	
2/16/2017							0.966 (U)		
4/13/2017	1.21 (U)					0.387 (U)			
4/14/2017		0.803 (U)							
4/18/2017							1.01 (U)	0.0114 (U)	
5/25/2017	1.54	0.569 (U)				0.123 (U)			
5/30/2017									
6/2/2017							1.13 (U)	0.375 (U)	
7/7/2017	1.45					0.876 (U)			
7/10/2017		0.589 (U)							
7/12/2017							1.29		
7/13/2017								0.636 (U)	
7/14/2017									
3/26/2018	0.529 (U)	0.513 (U)							
3/27/2018							0.779 (U)		
3/28/2018								0.36 (U)	
6/12/2018	0.945 (U)	0.516 (U)							
6/14/2018							1.22 (U)	0.316 (U)	
10/16/2018	0.57 (U)	0.146 (U)				0.881 (U)			
10/17/2018								0.326 (U)	
10/18/2018							0.841 (U)		
2/25/2019	1.43								
2/27/2019		0.941 (U)							
2/28/2019							1.88	1.04	
4/1/2019	1.44 (U)	0.66 (U)						0.328 (U)	
4/2/2019						0.64 (U)	1.21 (U)		
4/3/2019			0.69 (U)						
9/23/2019	1.82	1.25				1.13			
9/25/2019							0.816 (U)	0.649 (U)	
9/26/2019									
10/4/2019			1.02 (U)						
2/18/2020	1.33					0.373 (U)			
2/19/2020		1.28							

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							1.47 (U)		
2/21/2020			0.504 (U)						
2/24/2020								0.455 (U)	
3/18/2020	1.31 (U)	1.2 (U)							
3/19/2020						0.431 (U)		0.838 (U)	
3/20/2020			0.6 (U)						
3/23/2020							1.69		
5/22/2020				1.21 (U)					1.82
5/25/2020					1.21 (U)				
6/23/2020				0.955 (U)	1.44				1.05 (U)
7/28/2020				1.59	0.592 (U)				1.71
9/2/2020				0.59 (U)					0.0158 (U)
9/3/2020					1.06 (U)				
9/23/2020	1.43	0.53 (U)				0.293 (U)			
9/24/2020							1.19 (U)		
9/25/2020								0.818 (U)	
9/28/2020			0.963 (U)						
10/1/2020				0.754 (U)	0.597 (U)				1.19 (U)
11/10/2020				0.403 (U)	0.188 (U)				0.675 (U)
12/15/2020				0.263 (U)	0.464 (U)				1.26
1/20/2021				0.669 (U)	1.33 (U)				0.701 (U)
2/16/2021	0.938 (U)	0.344 (U)							
2/17/2021				0.537 (U)	1.1 (U)				
2/18/2021						0.232 (U)	1.52		1
2/19/2021			1.11					0.608 (U)	
3/23/2021		0.322 (U)							
3/24/2021								0.369 (U)	1.1 (U)
3/25/2021				1.15 (U)	1.08 (U)				
3/26/2021	1.03 (U)								
3/30/2021							1.51 (U)		
3/31/2021						0.301 (U)			
4/1/2021			0.58 (U)						
8/16/2021	0.684 (U)	0.539 (U)		0.536 (U)	0.0949 (U)	0.813 (U)			
8/18/2021							1.26	0.19 (U)	0.721 (U)
8/25/2021			0.377 (U)						
2/9/2022	0.264 (U)			0.539 (U)	0.504 (U)	0.296 (U)			0.355 (U)
2/10/2022		0.181 (U)							
2/11/2022							1.01 (U)	0.288 (U)	
2/16/2022			0.54 (U)						
7/26/2022	1.53	0.634 (U)		1.51	1.27 (U)	1.15 (U)			0.659 (U)
7/27/2022								0.705 (U)	
7/28/2022							1.18 (U)		

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	0.284 (U)
8/9/2016	
8/10/2016	
8/11/2016	1.71
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.485 (U)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	1.22
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.19 (U)
4/13/2017	
4/14/2017	
4/18/2017	0.52 (U)
5/25/2017	
5/30/2017	1.21 (U)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.526 (U)
3/26/2018	
3/27/2018	1.34
3/28/2018	
6/12/2018	0.732 (U)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.522 (U)
2/25/2019	1.08
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	1.73
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	1.45
10/4/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	1.22 (U)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	1.63
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.469 (U)
9/25/2020	
9/28/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.721 (U)
2/19/2021	
3/23/2021	
3/24/2021	0.92 (U)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	1.05
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	1.03
2/16/2022	
7/26/2022	
7/27/2022	0.917 (U)
7/28/2022	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.135 (U)								
6/8/2016		0.406	0.264 (U)	0.863 (U)	0.573	1.53			0.314 (U)
6/9/2016							0.704	2.13	
8/11/2016	0.808								
8/12/2016		1.39	1.18	1.74					
8/15/2016									1.2
8/18/2016					0.44 (U)	2.47	1.88	2.67	
10/7/2016	0.874 (U)	0.451 (U)	1.97						
10/10/2016				0.944 (U)	0.933 (U)	2.11	1.48	3.46	1.03 (U)
12/6/2016	0.131 (U)	0.516 (U)							
12/7/2016			1.31 (U)	2.29			2.61	1.65	
12/8/2016					1.02 (U)	2.64			1.47 (U)
1/23/2017									
2/7/2017									
2/16/2017	0.471 (U)	0.172 (U)	0.35 (U)						
2/17/2017				1.35 (U)	0.193 (U)	1.34			
2/20/2017							0.884 (U)	2.68	0.547 (U)
4/17/2017									
4/19/2017	0.65 (U)	0.704 (U)	0.974 (U)	1.48	0.488 (U)		0.948 (U)	3.81	
4/20/2017						2.35			0.0595 (U)
5/22/2017									
5/30/2017	0.65 (U)								
6/1/2017		0.493 (U)	0.332 (U)	1.61	0.837 (U)				0.67 (U)
6/5/2017						1.6	1.33	2.86	
7/11/2017									
7/14/2017	0.592 (U)	0.547 (U)	1.27						
7/17/2017							1.04	2.87	1.25 (U)
7/18/2017					0.498 (U)				
7/19/2017				1.626		1.76			
8/23/2017									
3/26/2018									
3/27/2018	0.551 (U)	0.569 (U)	0.169 (U)						
3/28/2018				0.97 (U)	0.864 (U)				0.507 (U)
3/29/2018						2.43	1.65	2.79	
6/13/2018				0.686 (U)			0.983 (U)	2.19	
6/14/2018	0.638 (U)	0.989 (U)			0.583 (U)	2.14			0.721 (U)
6/15/2018			0.625 (U)						
10/17/2018	0.555 (U)								
10/18/2018		0.875 (U)							
10/19/2018			0.784 (U)		0.982 (U)				
10/22/2018				0.559 (U)		1.43	1.21	2.18	0.741 (U)
2/27/2019	1.57	1.12		1.24					
3/1/2019			0.989 (U)			3.32	2.24	3.37	0.634 (U)
4/2/2019	0.71 (U)	0.814 (U)							
4/3/2019			0.98 (U)	0.567 (U)	0.532 (U)	2.48	2.86	3.6	
4/4/2019									0.346 (U)
9/26/2019	1.17 (U)	0.973 (U)	1.16	0.662 (U)					
9/27/2019						2.83	2.28		
9/30/2019					1.16 (U)			2.73	0.953 (U)
2/24/2020	1.17	1.07	1.19	1.38					
2/25/2020						1.7	2.49		
2/26/2020					1.08 (U)			2.4	1.16

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/19/2020	0.626 (U)								
3/20/2020		2.59	0.89 (U)		1.08 (U)	3.6			
3/23/2020				1.27 (U)			1.68		
3/24/2020									0.899 (U)
3/25/2020								4.72	
9/24/2020	0.594 (U)	0.789 (U)			0.157 (U)	4.18	0.56 (U)		
9/25/2020								1.49	
9/28/2020			1.11 (U)	1.07 (U)					0.744 (U)
2/18/2021	0.723 (U)	0.62 (U)	1.05 (U)	0.87 (U)					
2/19/2021					1 (U)	2.63	1.17 (U)	1.07 (U)	
2/23/2021									0.456 (U)
3/8/2021									
3/24/2021	0.391 (U)	1.21 (U)							
3/25/2021									
3/26/2021			0.848 (U)				1.04 (U)	2.91	0.134 (U)
3/29/2021				1.49	0.471 (U)	4.1			
8/19/2021	0.742 (U)	0.858 (U)							0.908 (U)
8/20/2021			0.731 (U)	1.42	0.277 (U)				
8/23/2021						3.25	1.2 (U)	1.77 (U)	
2/11/2022	0.208 (U)								
2/14/2022							0.563 (U)		
2/15/2022						1.94		14.2 (U)	
2/16/2022		0.708 (U)	0.349 (U)	0.322 (U)	0.49 (U)				0.189 (U)
7/27/2022	0.138 (U)	0.737 (U)	0.964 (U)	1.53					1.09 (U)
7/28/2022					0.424 (U)				
8/1/2022							2.28		
8/2/2022						2.32		0.84 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	2.17
2/7/2017	3
2/16/2017	
2/17/2017	
2/20/2017	
4/17/2017	2.73
4/19/2017	
4/20/2017	
5/22/2017	3.15
5/30/2017	
6/1/2017	
6/5/2017	0.86 (U)
7/11/2017	1.87
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	3.39
3/26/2018	1.61
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.815 (U)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	1.02 (U)
2/27/2019	
3/1/2019	2.47
4/2/2019	2.29
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	1.23 (U)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	1.09 (U)

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/19/2020	
3/20/2020	
3/23/2020	1.42
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.783 (U)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.429 (U)
3/24/2021	
3/25/2021	1.48
3/26/2021	
3/29/2021	
8/19/2021	1.63
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.744 (U)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	1.01 (U)
8/2/2022	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					1.24				
10/18/2018	0.96								
10/19/2018			2.28						
10/22/2018		1.22 (U)		1.54					
4/2/2019					2.81				
4/4/2019	1.49		1.89	2.37					
4/5/2019		2.2							
9/24/2019	1.68		3.98						
9/26/2019		2.36		3.09					
9/27/2019					1.66				
2/25/2020				4.16		2.87			
2/26/2020	1.31				1.76				
2/27/2020		1.44	1.31				5.89	1.03 (U)	
2/28/2020									0.649 (U)
3/23/2020	2.39				2.75				
3/24/2020		1.25 (U)	2.56			2.8	5.9	1.35	
3/25/2020				2.81					0.848 (U)
9/2/2020							5.91		
9/25/2020		2.62		2.15		3.29			
9/28/2020	1.48		2.12		1.59				
9/29/2020								1.71	0.441 (U)
2/19/2021			2.23						
2/22/2021	1.07 (U)			2.03		1.73		1.65	1.31 (U)
2/23/2021		1.55							
3/8/2021					2.09				
3/9/2021							3.34		
3/25/2021					2.43				
3/26/2021				2.4		3.15			
3/29/2021	1.63						3.54		
3/30/2021		2.04	1.35 (U)						0.826 (U)
3/31/2021								0.251 (U)	
8/19/2021							4.63		
8/20/2021	1.82			2.53		3.01			
8/23/2021					0.857 (U)				
8/24/2021			2.39					0.432 (U)	0.21 (U)
8/25/2021		0.784 (U)							
2/14/2022					1.43		4.6		
2/15/2022									
2/16/2022	1.02	1.16 (U)	2.24					0.799	0.473 (U)
2/17/2022				1.88		2.41			
7/28/2022	0.684 (U)		2.74	2.71		2.92			0.656 (U)
7/29/2022		1.82			1.47 (U)				
8/2/2022							3.64	0.93 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	1.31 (U)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	1.91
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	1
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.918 (U)
8/25/2021	
2/14/2022	
2/15/2022	0.765 (U)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	1.6
8/2/2022	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.0507 (U)
6/8/2016								0.854	
8/10/2016									0.862 (U)
8/11/2016								1.24	
10/4/2016									0.48 (U)
10/5/2016									
10/6/2016								2.43	
12/2/2016									0.219 (U)
12/5/2016									
12/6/2016								0.958 (U)	
2/14/2017									0.636 (U)
2/15/2017								1.18	
4/14/2017									0.13 (U)
4/17/2017									
4/18/2017								1.26	
5/26/2017									0.349 (U)
6/2/2017								1.24 (U)	
7/10/2017									0.565 (U)
7/11/2017									
7/14/2017								1.55	
3/26/2018									0.303 (U)
3/27/2018								2.15	
6/12/2018									0.494 (U)
6/13/2018								1.95	
10/16/2018									0.633 (U)
10/17/2018									
10/18/2018								1.1	
2/25/2019									1.03 (U)
2/28/2019								1.38	
4/1/2019									0.474 (U)
4/2/2019								1.57	
9/24/2019								1.85	1.69
2/19/2020									1.02 (U)
2/20/2020									
2/21/2020								2.02	
3/18/2020									0.987 (U)
3/19/2020								1.18 (U)	
9/3/2020	1.05 (U)	1.9		0.982 (U)					
9/23/2020									0.25 (U)
9/24/2020									
9/25/2020								1.64	
1/28/2021						0.444 (U)	1.59		
2/16/2021									0.709 (U)
2/17/2021									
2/18/2021				1.34				1.09	
2/22/2021	0.578 (U)								
2/23/2021						0.589 (U)	0.567 (U)		
3/8/2021		1.34							
3/24/2021									0.808 (U)
3/29/2021		1.62 (U)							
3/30/2021						0.852 (U)	1.66 (U)	1.41 (U)	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			0.517 (U)						
4/1/2021	0.461 (U)								
4/19/2021				2.45	1.01 (U)				
8/18/2021			0.886 (U)		0.99 (U)				0.192 (U)
8/19/2021								0.952 (U)	
8/20/2021	1.38								
8/23/2021		1.93				0.558 (U)	0.785 (U)		
8/24/2021				3.66					
2/9/2022			1.52		1.4				
2/10/2022									0.813
2/11/2022								1.26	
2/14/2022						0.487 (U)	0.224 (U)		
2/15/2022		0.96 (U)							
2/17/2022	0.51 (U)			2.41					
7/26/2022			0.818 (U)		1 (U)				0.523 (U)
7/28/2022	0.503 (U)						1.02 (U)	1.22 (U)	
8/1/2022		1.38		2.36		0.642 (U)			

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.488
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.639 (U)
10/4/2016	
10/5/2016	0.945 (U)
10/6/2016	
12/2/2016	
12/5/2016	2.2
12/6/2016	
2/14/2017	
2/15/2017	0.74 (U)
4/14/2017	
4/17/2017	0.764 (U)
4/18/2017	
5/26/2017	0.245 (U)
6/2/2017	
7/10/2017	
7/11/2017	0.502 (U)
7/14/2017	
3/26/2018	
3/27/2018	0.745 (U)
6/12/2018	0.319 (U)
6/13/2018	
10/16/2018	
10/17/2018	0.319 (U)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.225 (U)
4/2/2019	
9/24/2019	1.65
2/19/2020	
2/20/2020	0.921 (U)
2/21/2020	
3/18/2020	
3/19/2020	1.94
9/3/2020	
9/23/2020	
9/24/2020	0.9 (U)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.692 (U)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.554 (U)
3/29/2021	
3/30/2021	

Time Series

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.458 (U)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.86
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.866 (U)
7/28/2022	
8/1/2022	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.11 (J)					<0.1			
6/7/2016							0.09 (J)	<0.1	
8/9/2016	0.09 (J)								
8/10/2016						0.04 (J)			
8/11/2016									
8/12/2016								0.08 (J)	
8/16/2016							0.09 (J)		
8/22/2016		0.04 (J)							
10/3/2016	0.11 (J)								
10/4/2016		0.06 (J)				0.06 (J)			
10/6/2016								0.06 (J)	
10/7/2016							0.17 (J)		
11/29/2016	0.11 (J)								
12/1/2016		0.08 (J)				0.09 (J)			
12/5/2016								0.12 (J)	
12/6/2016							0.16 (J)		
1/10/2017		0.03 (J)							
2/13/2017	0.12 (J)								
2/14/2017		<0.1				<0.1			
2/15/2017								0.33	
2/16/2017							0.38		
4/13/2017	0.1 (J)					0.04 (J)			
4/14/2017		0.01 (J)							
4/18/2017							0.12 (J)	0.006 (J)	
5/25/2017	0.08 (J)	0.005 (J)				0.02 (J)			
5/30/2017									
6/2/2017							0.03 (J)	0.04 (J)	
7/7/2017	0.13 (J)					0.12 (J)			
7/10/2017		0.06 (J)							
7/12/2017							0.15 (J)		
7/13/2017								0.17 (J)	
7/14/2017									
10/9/2017	0.11 (J)					<0.1			
10/10/2017		<0.1						0.08 (J)	
10/11/2017							0.07 (J)		
3/26/2018	<0.1	<0.1							
3/27/2018							<0.1		
3/28/2018								<0.1	
6/12/2018	0.086 (J)	0.053 (J)							
6/14/2018							0.046 (J)	<0.1	
10/16/2018	0.06 (J)	<0.1				<0.1			
10/17/2018								<0.1	
10/18/2018							<0.1		
2/25/2019	<0.1								
2/27/2019		<0.1							
2/28/2019							0.14 (J)	0.18 (J)	
4/1/2019	0.047 (J)	<0.1						0.065 (J)	
4/2/2019						<0.1	0.044 (J)		
4/3/2019			0.085 (J)						
5/2/2019	<0.1								
9/23/2019	0.076 (J)	<0.1				<0.1			
9/25/2019							0.075 (J)	0.13 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
9/26/2019									
9/27/2019			0.33						
2/18/2020	<0.1					<0.1			
2/19/2020		<0.1							
2/20/2020							<0.1		
2/21/2020			0.059 (J)						
2/24/2020								0.051 (J)	
3/18/2020	<0.1	<0.1							
3/19/2020						<0.1		<0.1	
3/20/2020			0.061 (J)						
3/23/2020							<0.1		
5/22/2020				0.054 (J)					0.065 (J)
5/25/2020					0.19 (J)				
6/23/2020				<0.1	0.19				<0.1
7/28/2020				<0.1	0.57				<0.1
9/2/2020				<0.1					0.061 (J)
9/3/2020					0.11				
9/23/2020	<0.1	<0.1				<0.1			
9/24/2020							<0.1		
9/25/2020			0.068 (J)					<0.1	
10/1/2020				<0.1	0.063 (J)				<0.1
11/10/2020				<0.1	<0.1				<0.1
12/15/2020				<0.1	<0.1				0.052
1/20/2021				<0.1	<0.1				<0.1
2/16/2021	<0.1	<0.1							
2/17/2021				<0.1	<0.1				
2/18/2021						<0.1	<0.1		0.055 (J)
2/19/2021			0.062 (J)					<0.1	
3/23/2021		<0.1							
3/24/2021								<0.1	<0.1
3/25/2021				<0.1	<0.1				
3/26/2021	<0.1								
3/30/2021							<0.1		
3/31/2021						<0.1			
4/1/2021			0.06 (J)						
8/16/2021	<0.1	<0.1		<0.1	<0.1	<0.1			
8/18/2021							<0.1	<0.1	<0.1
8/25/2021			0.088 (J)						
2/9/2022	<0.1			<0.1	0.065 (J)	<0.1			<0.1
2/10/2022		<0.1							
2/11/2022							<0.1	<0.1	
2/16/2022			0.061 (J)						
7/26/2022	0.066 (J)	0.058 (J)		0.064 (J)	0.086 (J)	0.052 (J)			0.082 (J)
7/27/2022								0.081 (J)	
7/28/2022							0.064 (J)		
8/3/2022			0.079 (J)						

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	<0.1
8/9/2016	
8/10/2016	
8/11/2016	0.12 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.08 (J)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.24 (J)
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.31
4/13/2017	
4/14/2017	
4/18/2017	0.02 (J)
5/25/2017	
5/30/2017	0.51
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.14 (J)
10/9/2017	
10/10/2017	
10/11/2017	0.29 (J)
3/26/2018	
3/27/2018	<0.1
3/28/2018	
6/12/2018	0.061 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.1
2/25/2019	0.13 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.23 (J)
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
9/26/2019	<0.1
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.1
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.052 (J)
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.059 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.064 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.053 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.1
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.056 (J)
2/16/2022	
7/26/2022	
7/27/2022	0.091 (J)
7/28/2022	
8/3/2022	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.15 (J)								
6/8/2016		0.1 (J)	<0.1	0.09 (J)	<0.1	0.43			0.14 (J)
6/9/2016							0.12 (J)	<0.1	
8/11/2016	0.3 (J)								
8/12/2016		0.39	0.2 (J)	0.04 (J)					
8/15/2016									0.08 (J)
8/18/2016					0.09 (J)	0.3 (J)	0.08 (J)	0.24 (J)	
10/7/2016	0.14 (J)	0.16 (J)	0.07 (J)						
10/10/2016				0.06 (J)	0.04 (J)	0.32	0.09 (J)	0.3	0.1 (J)
12/6/2016	0.19 (J)	0.32							
12/7/2016			0.09 (J)	0.07 (J)			0.08 (J)	0.05 (J)	
12/8/2016					0.08 (J)	0.26 (J)			0.06 (J)
1/23/2017									
2/7/2017									
2/16/2017	0.51	0.38	0.6						
2/17/2017				0.06 (J)	0.08 (J)	0.39			
2/20/2017							0.09 (J)	0.65	0.16 (J)
3/27/2017									
4/17/2017									
4/19/2017	0.18 (J)	0.08 (J)	0.09 (J)	0.005 (J)	0.04 (J)		0.03 (J)	0.21 (J)	
4/20/2017						0.34			0.02 (J)
5/22/2017									
5/30/2017	0.15 (J)								
6/1/2017		0.09 (J)	0.05 (J)	0.65	0.03 (J)				0.04 (J)
6/5/2017						0.29 (J)	<0.1	0.05 (J)	
7/11/2017									
7/14/2017	0.16 (J)	0.06 (J)	0.08 (J)						
7/17/2017							0.09 (J)	2.5	0.07 (J)
7/18/2017				0.36	0.08 (J)				
7/19/2017						0.33			
8/23/2017									
10/10/2017									
10/11/2017	0.64	0.14 (J)	0.11 (J)	<0.1			0.09 (J)	1.8	0.11 (J)
10/12/2017					0.12 (J)	0.31			
3/26/2018									
3/27/2018	0.33	<0.1	<0.1						
3/28/2018				<0.1	<0.1				<0.1
3/29/2018						0.58	<0.1	2	
6/13/2018				0.038 (J)			0.71	3.1	
6/14/2018	0.11 (J)	0.095 (J)			<0.1	0.15 (J)			<0.1
6/15/2018			0.07 (J)						
10/17/2018	<0.1								
10/18/2018		0.054 (J)							
10/19/2018			0.17 (J)		<0.1				
10/22/2018				<0.1		0.78	0.81	3.1	<0.1
2/27/2019	0.26 (J)	<0.1		0.13 (J)					
3/1/2019			0.14 (J)			0.34	0.38	1	0.12 (J)
4/2/2019	0.14 (J)	0.044 (J)							
4/3/2019			0.051 (J)	0.072 (J)	0.032 (J)	0.23 (J)	0.1 (J)	3	
4/4/2019									<0.1
5/2/2019						1.4			
9/26/2019	0.071 (J)	0.052 (J)	<0.1	<0.1					

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/27/2019						1	0.54		
9/30/2019					0.066 (J)			1.2	0.065 (J)
2/24/2020	0.11 (J)	<0.1	0.05 (J)	<0.1					
2/25/2020						0.24 (J)	0.066 (J)		
2/26/2020					<0.1			0.064 (J)	<0.1
3/19/2020	0.12 (J)								
3/20/2020		<0.1	<0.1		<0.1	0.23 (J)			
3/23/2020				<0.1			0.056 (J)		
3/24/2020									<0.1
3/25/2020								0.056 (J)	
9/24/2020	0.12	0.058 (J)			<0.1	0.24	0.062 (J)		
9/25/2020								0.054 (J)	
9/28/2020			<0.1	<0.1					<0.1
2/18/2021	0.1	<0.1	<0.1	<0.1					
2/19/2021					<0.1	0.2	<0.1	0.14	
2/23/2021									<0.1
3/8/2021									
3/24/2021	0.11	<0.1							
3/25/2021									
3/26/2021			0.053 (J)				0.054 (J)	0.095 (J)	<0.1
3/29/2021				<0.1	<0.1	0.22			
7/19/2021						0.24	0.065 (J)	0.13	
7/20/2021									
8/19/2021	0.097 (J)	<0.1							<0.1
8/20/2021			<0.1	<0.1	<0.1				
8/23/2021						0.23	<0.1	0.12	
11/1/2021						0.25	0.068 (J)	0.15	
2/11/2022	0.1								
2/14/2022							<0.1		
2/15/2022						0.24		<0.1	
2/16/2022		<0.1	<0.1	<0.1	<0.1				<0.1
7/27/2022	0.13	0.081 (J)	0.071 (J)	0.062 (J)					0.051 (J)
7/28/2022					<0.1				
8/1/2022							0.07 (J)		
8/2/2022						0.19		0.097 (J)	
10/21/2022								0.14 (R)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.06 (J)
2/7/2017	0.09 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.09 (J)
4/17/2017	0.36
4/19/2017	
4/20/2017	
5/22/2017	0.05 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.32
7/11/2017	0.13 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.17 (J)
10/10/2017	0.35
10/11/2017	
10/12/2017	
3/26/2018	0.75
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.51
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.44
2/27/2019	
3/1/2019	0.24 (J)
4/2/2019	0.68
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/27/2019	0.13 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	0.057 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.054 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.1
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.1
3/24/2021	
3/25/2021	<0.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	<0.1
8/19/2021	<0.1
8/20/2021	
8/23/2021	
11/1/2021	0.055 (J)
2/11/2022	
2/14/2022	0.075 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.09 (J)
8/2/2022	
10/21/2022	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					<0.1				
10/18/2018	<0.1								
10/19/2018			<0.1						
10/22/2018		0.65		0.91					
4/2/2019					0.44				
4/4/2019	<0.1		0.035 (J)	0.26 (J)					
4/5/2019		0.66							
5/3/2019		1.3							
9/24/2019	<0.1		<0.1						
9/26/2019		0.15 (J)		0.11 (J)					
9/27/2019					0.26 (J)				
11/15/2019		0.51							
12/13/2019								0.16 (J)	
12/16/2019									0.13 (J)
2/25/2020				0.14 (J)		0.57			
2/26/2020	<0.1				0.13 (J)				
2/27/2020		0.13 (J)	<0.1				0.55	0.071 (J)	
2/28/2020									0.062 (J)
3/23/2020	<0.1				0.13 (J)				
3/24/2020		0.13 (J)	<0.1			0.43	0.61	0.06 (J)	
3/25/2020				0.17 (J)					<0.1
5/4/2020									
9/2/2020							0.47		
9/25/2020		0.097 (J)		0.17		0.34			
9/28/2020	<0.1		<0.1		0.1				
9/29/2020								<0.1	<0.1
2/19/2021			<0.1						
2/22/2021	<0.1			0.21		0.3		0.095 (J)	<0.1
2/23/2021		0.13							
3/8/2021					0.14				
3/9/2021							0.67		
3/25/2021					0.12				
3/26/2021				0.13		0.27			
3/29/2021	<0.1						0.73		
3/30/2021		0.14	<0.1						0.06 (J)
3/31/2021								0.08 (J)	
8/19/2021							0.4		
8/20/2021	<0.1			0.22		0.18			
8/23/2021					0.11				
8/24/2021			<0.1					0.18	0.076 (J)
8/25/2021		0.15							
11/1/2021							0.32		
2/14/2022					0.12		0.34		
2/15/2022									
2/16/2022	<0.1	0.13	<0.1					0.11	0.068 (J)
2/17/2022				0.21		0.16			
7/28/2022	<0.1		0.053 (J)	0.23		0.19			0.092 (J)
7/29/2022		0.16			0.14				
8/2/2022							0.46	0.12	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	<0.1
9/2/2020	0.088 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.099 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.077 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.11
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	0.07 (J)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.1
8/2/2022	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
2/23/2021						0.087 (J)	0.073 (J)		
3/8/2021		0.9							
3/24/2021									<0.1
3/29/2021		1							
3/30/2021						0.11	0.12	0.18	
3/31/2021			0.088 (J)						
4/1/2021	0.72								
4/19/2021				0.055 (J)	0.078 (J)				
7/20/2021		1.2							
8/18/2021			<0.1		<0.1				<0.1
8/19/2021								0.12	
8/20/2021	0.56								
8/23/2021		1.2				0.084 (J)	0.093 (J)		
8/24/2021				<0.1					
2/9/2022			0.11		0.08 (J)				
2/10/2022									<0.1
2/11/2022								0.12	
2/14/2022						0.13	0.1		
2/15/2022		0.89							
2/17/2022	0.61			<0.1					
7/26/2022			<0.1		0.12				0.067 (J)
7/28/2022	0.55						0.14	0.16	
8/1/2022		0.86		0.087 (J)		0.16			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.12 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.27 (J)
10/4/2016	
10/5/2016	0.12 (J)
10/6/2016	
12/2/2016	
12/5/2016	0.26 (J)
12/6/2016	
2/14/2017	
2/15/2017	0.46
4/14/2017	
4/17/2017	0.14 (J)
4/18/2017	
5/26/2017	0.13 (J)
6/2/2017	
7/10/2017	
7/11/2017	0.2 (J)
7/14/2017	
10/10/2017	0.61
10/11/2017	
3/26/2018	
3/27/2018	0.36
6/12/2018	0.13 (J)
6/13/2018	
10/16/2018	
10/17/2018	0.13 (J)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.33
4/2/2019	
9/24/2019	0.096 (J)
2/19/2020	
2/20/2020	0.063 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.074 (J)
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.091 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.086 (J)
2/18/2021	
2/22/2021	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9	
2/23/2021	
3/8/2021	
3/24/2021	0.075 (J)
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	0.073 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.071 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.11
7/28/2022	
8/1/2022	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.0024					<0.001			
6/7/2016							<0.001	<0.001	
8/9/2016	<0.001								
8/10/2016						<0.001			
8/11/2016									
8/12/2016								0.0001 (J)	
8/16/2016							<0.001		
8/22/2016		<0.001							
10/3/2016	<0.001								
10/4/2016		<0.001				<0.001			
10/6/2016								0.0002 (J)	
10/7/2016							<0.001		
11/29/2016	0.0002 (J)								
12/1/2016		<0.001				<0.001			
12/5/2016								0.0003 (J)	
12/6/2016							<0.001		
1/10/2017		<0.001							
2/13/2017	<0.001								
2/14/2017		<0.001				<0.001			
2/15/2017								<0.001	
2/16/2017							<0.001		
4/13/2017	<0.001					<0.001			
4/14/2017		<0.001							
4/18/2017							<0.001	<0.001	
5/25/2017	0.0001 (J)	<0.001				<0.001			
5/30/2017									
6/2/2017							<0.001	0.0001 (J)	
7/7/2017	<0.001					<0.001			
7/10/2017		<0.001							
7/12/2017							<0.001		
7/13/2017								0.0001 (J)	
7/14/2017									
3/26/2018	<0.001	<0.001							
3/27/2018							<0.001		
3/28/2018								<0.001	
2/25/2019	<0.001								
2/27/2019		<0.001							
2/28/2019							<0.001	<0.001	
4/1/2019	<0.001	<0.001						<0.001	
4/2/2019						7E-05 (J)	<0.001		
4/3/2019			<0.001						
9/23/2019	<0.001	<0.001				<0.001			
9/25/2019							0.00019 (J)	0.00063 (J)	
9/26/2019									
9/27/2019			<0.001						
2/18/2020	<0.001					<0.001			
2/19/2020		<0.001							
2/20/2020							0.00014 (J)		
2/21/2020			<0.001						
2/24/2020								<0.001	
3/18/2020	<0.001	<0.001							
3/19/2020						<0.001		<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.001						
3/23/2020							<0.001		
5/22/2020				8.9E-05 (J)					7.3E-05 (J)
5/25/2020					0.00013 (J)				
6/23/2020				5.8E-05 (J)	8.1E-05 (J)				<0.001
7/28/2020				5.7E-05 (J)	5.2E-05 (J)				<0.001
9/2/2020				7.4E-05 (J)					<0.001
9/3/2020					3.8E-05 (J)				
9/23/2020	0.00014 (J)	<0.001				6.4E-05 (J)			
9/24/2020							<0.001		
9/25/2020			4.5E-05 (J)					<0.001	
10/1/2020				0.00021 (J)	0.00014 (J)				6.2E-05 (J)
11/10/2020				6.5E-05 (J)	0.00013 (J)				0.00011 (J)
12/15/2020				8E-05 (J)	0.00011 (J)				5.6E-05 (J)
1/20/2021				7.2E-05 (J)	0.00025 (J)				<0.001
2/16/2021	0.00011 (J)	4.2E-05 (J)							
2/17/2021				0.00015 (J)	0.00026 (J)				
2/18/2021						5.7E-05 (J)	<0.001		<0.001
2/19/2021			<0.001					8.7E-05 (J)	
3/23/2021		<0.001							
3/24/2021								0.00013 (J)	<0.001
3/25/2021				<0.001	0.00011 (J)				
3/26/2021	6.8E-05 (J)								
3/30/2021							<0.001		
3/31/2021						0.00016 (J)			
4/1/2021			<0.001						
8/16/2021	<0.001	<0.001		<0.001	<0.001	<0.001			
8/18/2021							<0.001	<0.001	<0.001
8/25/2021			<0.001						
2/9/2022	<0.001			<0.001	<0.001	<0.001			<0.001
2/10/2022		<0.001							
2/11/2022							<0.001	<0.001	
2/16/2022			<0.001						
7/26/2022	<0.001	<0.001		<0.001	<0.001	<0.001			<0.001
7/27/2022								<0.001	
7/28/2022							<0.001		
8/3/2022			<0.001						

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.001
8/9/2016	
8/10/2016	
8/11/2016	<0.001
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.001
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.001
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.001
4/13/2017	
4/14/2017	
4/18/2017	<0.001
5/25/2017	
5/30/2017	0.0001 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0002 (J)
3/26/2018	
3/27/2018	<0.001
3/28/2018	
2/25/2019	<0.001
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.001
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.00034 (J)
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	0.00014 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00013 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.00021 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.00013 (J)
2/19/2021	
3/23/2021	
3/24/2021	8E-05 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.001
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.001
2/16/2022	
7/26/2022	
7/27/2022	<0.001
7/28/2022	
8/3/2022	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.001								
6/8/2016		<0.001	<0.001	<0.001	<0.001	<0.001			<0.001
6/9/2016							<0.001	0.00059 (J)	
8/11/2016	<0.001								
8/12/2016		0.0001 (J)	<0.001	<0.001					
8/15/2016									0.0005 (J)
8/18/2016					<0.001	<0.001	<0.001	<0.001	
10/7/2016	<0.001	<0.001	<0.001						
10/10/2016				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12/6/2016	<0.001	0.0001 (J)							
12/7/2016			<0.001	<0.001			<0.001	<0.001	
12/8/2016					<0.001	<0.001			0.0006 (J)
1/23/2017									
2/7/2017									
2/16/2017	<0.001	0.0002 (J)	<0.001						
2/17/2017				<0.001	<0.001	<0.001			
2/20/2017							<0.001	<0.001	0.0004 (J)
3/27/2017									
4/17/2017									
4/19/2017	<0.001	0.0001 (J)	0.0006 (J)	<0.001	<0.001		<0.001	<0.001	
4/20/2017						<0.001			0.0002 (J)
5/22/2017									
5/30/2017	<0.001								
6/1/2017		9E-05 (J)	<0.001	0.0001 (J)	<0.001				7E-05 (J)
6/5/2017						<0.001	<0.001	7E-05 (J)	
7/11/2017									
7/14/2017	<0.001	0.0001 (J)	<0.001						
7/17/2017							<0.001	<0.001	<0.001
7/18/2017				<0.001	<0.001				
7/19/2017						<0.001			
8/23/2017									
3/26/2018									
3/27/2018	<0.001	<0.001	<0.001						
3/28/2018				<0.001	<0.001				<0.001
3/29/2018						<0.001	<0.001	<0.001	
2/27/2019	<0.001	<0.001		<0.001					
3/1/2019			<0.001			0.00033 (J)	<0.001	<0.001	<0.001
4/2/2019	<0.001	8.1E-05 (J)							
4/3/2019			<0.001	<0.001	6.8E-05 (J)	<0.001	<0.001	<0.001	
4/4/2019									<0.001
9/26/2019	<0.001	<0.001	<0.001	<0.001					
9/27/2019						5.4E-05 (J)	<0.001		
9/30/2019					7.3E-05 (J)			<0.001	<0.001
2/24/2020	7.9E-05 (J)	<0.001	<0.001	<0.001					
2/25/2020						<0.001	<0.001		
2/26/2020					5.3E-05 (J)			<0.001	<0.001
3/19/2020	<0.001								
3/20/2020		<0.001	<0.001		6E-05 (J)	<0.001			
3/23/2020				<0.001			<0.001		
3/24/2020									<0.001
3/25/2020								5.4E-05 (J)	
9/24/2020	<0.001	<0.001			5E-05 (J)	0.00014 (J)	0.00014 (J)		

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.0001 (J)	
9/28/2020			3.8E-05 (J)	8.3E-05 (J)					5.1E-05 (J)
2/18/2021	<0.001	<0.001	<0.001	<0.001					
2/19/2021					8.7E-05 (J)	0.00011 (J)	<0.001	4.3E-05 (J)	
2/23/2021									7.4E-05 (J)
3/8/2021									
3/24/2021	<0.001	<0.001							
3/25/2021									
3/26/2021			<0.001				0.00031 (J)	7.1E-05 (J)	0.00013 (J)
3/29/2021				<0.001	9.4E-05 (J)	6.1E-05 (J)			
8/19/2021	<0.001	<0.001							<0.001
8/20/2021			<0.001	<0.001	<0.001				
8/23/2021						<0.001	<0.001	<0.001	
2/11/2022	<0.001								
2/14/2022							<0.001		
2/15/2022						<0.001		<0.001	
2/16/2022		<0.001	<0.001	<0.001	<0.001				<0.001
7/27/2022	<0.001	<0.001	<0.001	<0.001					<0.001
7/28/2022					<0.001				
8/1/2022							<0.001		
8/2/2022						<0.001		<0.001	
10/21/2022								<0.001 (R)	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0003 (J)
2/7/2017	0.0002 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	8E-05 (J)
4/17/2017	<0.001
4/19/2017	
4/20/2017	
5/22/2017	<0.001
5/30/2017	
6/1/2017	
6/5/2017	<0.001
7/11/2017	8E-05 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	<0.001
3/26/2018	<0.001
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	<0.001
4/2/2019	<0.001
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00018 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	0.00035 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.00011 (J)
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	0.00016 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.00018 (J)
3/24/2021	
3/25/2021	0.00015 (J)
3/26/2021	
3/29/2021	
8/19/2021	<0.001
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.001
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.001
8/2/2022	
10/21/2022	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					0.00067 (J)				
4/4/2019	0.00065 (J)		5.4E-05 (J)	0.00023 (J)					
4/5/2019		<0.001							
9/24/2019	0.0004 (J)		<0.001						
9/26/2019		<0.001		6.9E-05 (J)					
9/27/2019					0.0005 (J)				
2/25/2020				0.00025 (J)		0.00011 (J)			
2/26/2020	7.6E-05 (J)				0.00033 (J)				
2/27/2020		<0.001	<0.001				0.00025 (J)	<0.001	
2/28/2020									0.00014 (J)
3/23/2020	0.00028 (J)				0.00014 (J)				
3/24/2020		<0.001	<0.001			7.3E-05 (J)	0.00016 (J)	0.0001 (J)	
3/25/2020				0.00018 (J)					0.00017 (J)
9/2/2020							0.00022 (J)		
9/25/2020		0.00011 (J)		0.00037 (J)		0.00029 (J)			
9/28/2020	0.0013 (J)		<0.001		0.00017 (J)				
9/29/2020								<0.001	0.00024 (J)
2/19/2021			<0.001						
2/22/2021	0.00045 (J)			0.00011 (J)		8.2E-05 (J)		<0.001	0.00014 (J)
2/23/2021		7.2E-05 (J)							
3/8/2021					0.00011 (J)				
3/9/2021							<0.001		
3/25/2021					<0.001				
3/26/2021				<0.001		<0.001			
3/29/2021	0.00061 (J)						<0.001		
3/30/2021		<0.001	<0.001						0.00018 (J)
3/31/2021								<0.001	
8/19/2021							<0.001		
8/20/2021	<0.001			<0.001		<0.001			
8/23/2021					<0.001				
8/24/2021			<0.001					<0.001	<0.001
8/25/2021		<0.001							
2/14/2022					<0.001		<0.001		
2/15/2022									
2/16/2022	<0.001	<0.001	<0.001					<0.001	<0.001
2/17/2022				<0.001		<0.001			
7/28/2022	<0.001		<0.001	<0.001		<0.001			<0.001
7/29/2022		<0.001			<0.001				
8/2/2022							<0.001	<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.001
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.001
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	3.6E-05 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.001
8/25/2021	
2/14/2022	
2/15/2022	<0.001
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.001
8/2/2022	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.001
6/8/2016								<0.001	
8/10/2016									<0.001
8/11/2016								<0.001	
10/4/2016									<0.001
10/5/2016									
10/6/2016								<0.001	
12/2/2016									<0.001
12/5/2016									
12/6/2016								<0.001	
2/14/2017									<0.001
2/15/2017								<0.001	
4/14/2017									<0.001
4/17/2017									
4/18/2017								<0.001	
5/26/2017									0.0003 (J)
6/2/2017								<0.001	
7/10/2017									<0.001
7/11/2017									
7/14/2017								<0.001	
3/26/2018									<0.001
3/27/2018								<0.001	
2/25/2019									<0.001
2/28/2019								<0.001	
4/1/2019									<0.001
4/2/2019								<0.001	
9/24/2019								<0.001	<0.001
2/19/2020									0.00014 (J)
2/20/2020									
2/21/2020								<0.001	
3/18/2020									<0.001
3/19/2020								<0.001	
9/3/2020	<0.001	0.00012 (J)	<0.001						
9/23/2020									<0.001
9/24/2020									
9/25/2020								<0.001	
1/28/2021						0.00016 (J)	5.4E-05 (J)		
2/16/2021									0.0001 (J)
2/17/2021									
2/18/2021			0.00017 (J)					<0.001	
2/22/2021	4.1E-05 (J)								
2/23/2021						0.00015 (J)	0.0001 (J)		
3/8/2021		<0.001							
3/24/2021									0.00015 (J)
3/29/2021		<0.001							
3/30/2021						0.00022 (J)	0.00011 (J)	<0.001	
3/31/2021			<0.001						
4/1/2021	4.4E-05 (J)								
4/19/2021				4.4E-05 (J)	0.00014 (J)				
8/18/2021			<0.001		<0.001				<0.001
8/19/2021								<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.001								
8/23/2021		<0.001				<0.001	<0.001		
8/24/2021				<0.001					
2/9/2022			<0.001		<0.001				
2/10/2022									<0.001
2/11/2022								<0.001	
2/14/2022						<0.001	<0.001		
2/15/2022		<0.001							
2/17/2022	<0.001			<0.001					
7/26/2022			<0.001		<0.001				<0.001
7/28/2022	<0.001						<0.001	<0.001	
8/1/2022		<0.001		<0.001		<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.001
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.001
10/4/2016	
10/5/2016	0.0005 (J)
10/6/2016	
12/2/2016	
12/5/2016	0.0002 (J)
12/6/2016	
2/14/2017	
2/15/2017	<0.001
4/14/2017	
4/17/2017	0.0001 (J)
4/18/2017	
5/26/2017	0.0001 (J)
6/2/2017	
7/10/2017	
7/11/2017	<0.001
7/14/2017	
3/26/2018	
3/27/2018	<0.001
2/25/2019	
2/28/2019	
4/1/2019	9.2E-05 (J)
4/2/2019	
9/24/2019	5.6E-05 (J)
2/19/2020	
2/20/2020	8.2E-05 (J)
2/21/2020	
3/18/2020	
3/19/2020	6.3E-05 (J)
9/3/2020	
9/23/2020	
9/24/2020	<0.001
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	7.5E-05 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.001
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.001
8/19/2021	

Time Series

Constituent: Lead (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.001
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.001
7/28/2022	
8/1/2022	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.03					<0.03			
6/7/2016							0.0065	<0.03	
8/9/2016	<0.03								
8/10/2016						<0.03			
8/11/2016									
8/12/2016								<0.03	
8/16/2016							<0.03		
8/22/2016		<0.03							
10/3/2016	<0.03								
10/4/2016		<0.03				<0.03			
10/6/2016								<0.03	
10/7/2016							<0.03		
11/29/2016	<0.03								
12/1/2016		<0.03				<0.03			
12/5/2016								<0.03	
12/6/2016							<0.03		
1/10/2017		<0.03							
2/13/2017	<0.03								
2/14/2017		<0.03				<0.03			
2/15/2017								<0.03	
2/16/2017							<0.03		
4/13/2017	<0.03					<0.03			
4/14/2017		<0.03							
4/18/2017		<0.03					0.0011 (J)	<0.03	
5/25/2017	<0.03	<0.03				<0.03			
5/30/2017									
6/2/2017							0.0011 (J)	<0.03	
7/7/2017	<0.03					<0.03			
7/10/2017		<0.03							
7/12/2017							<0.03		
7/13/2017								<0.03	
7/14/2017									
3/26/2018	<0.03	<0.03							
3/27/2018							0.0025 (J)		
3/28/2018								<0.03	
6/12/2018	<0.03	<0.03							
6/14/2018							0.0011 (J)	<0.03	
10/16/2018	<0.03	<0.03				<0.03			
10/17/2018								<0.03	
10/18/2018							0.0016 (J)		
2/25/2019	<0.03								
2/27/2019		<0.03							
2/28/2019							0.0017 (J)	0.0011 (J)	
4/1/2019	<0.03	0.00059 (J)						0.00078 (J)	
4/2/2019						<0.03	0.0012 (J)		
4/3/2019			<0.03						
9/23/2019	<0.03	0.00089 (J)				<0.03			
9/25/2019							<0.03	0.001 (J)	
9/26/2019									
9/27/2019			<0.03						
2/18/2020	<0.03					<0.03			
2/19/2020		<0.03							

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							0.00093 (J)		
2/21/2020			<0.03						
2/24/2020								0.00091 (J)	
3/18/2020	<0.03	<0.03							
3/19/2020						<0.03		0.00097 (J)	
3/20/2020			<0.03						
3/23/2020							0.00084 (J)		
5/22/2020				<0.03					<0.03
5/25/2020					0.0011 (J)				
6/23/2020				<0.03	<0.03				<0.03
7/28/2020				<0.03	0.0014 (J)				<0.03
9/2/2020				<0.03					0.00095 (J)
9/3/2020					0.0014 (J)				
9/23/2020	<0.03	0.00085 (J)				<0.03			
9/24/2020							0.0013 (J)		
9/25/2020			<0.03					0.001 (J)	
10/1/2020				<0.03	0.0011 (J)				0.00095 (J)
11/10/2020				<0.03	<0.03				<0.03
12/15/2020				<0.03	0.00089				0.00091
1/20/2021				<0.03	0.00091 (J)				0.00082 (J)
2/16/2021	<0.03	<0.03							
2/17/2021				<0.03	0.00099 (J)				
2/18/2021						<0.03	0.0011 (J)		<0.03
2/19/2021			<0.03					0.0011 (J)	
3/23/2021		0.00087 (J)							
3/24/2021								0.0012 (J)	<0.03
3/25/2021				<0.03	<0.03				
3/26/2021	<0.03								
3/30/2021							0.00092 (J)		
3/31/2021						0.00082 (J)			
4/1/2021			<0.03						
8/16/2021	<0.03	0.00093 (J)		<0.03	<0.03	<0.03			
8/18/2021							<0.03	0.0013 (J)	0.00087 (J)
8/25/2021			<0.03						
2/9/2022	<0.03			0.00083 (J)	<0.03	<0.03			<0.03
2/10/2022		<0.03							
2/11/2022							0.00079 (J)	0.0011 (J)	
2/16/2022			<0.03						
7/26/2022	<0.03	0.00095 (J)		0.00073 (J)	<0.03	<0.03			0.0011 (J)
7/27/2022								0.0014 (J)	
7/28/2022							0.00076 (J)		
8/3/2022			<0.03						

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.03
8/9/2016	
8/10/2016	
8/11/2016	<0.03
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.03
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.03
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.03
4/13/2017	
4/14/2017	
4/18/2017	<0.03
5/25/2017	
5/30/2017	<0.03
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.03
3/26/2018	
3/27/2018	<0.03
3/28/2018	
6/12/2018	<0.03
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.03
2/25/2019	<0.03
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.00049 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.03
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	<0.03
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.03
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.03
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.03
2/19/2021	
3/23/2021	
3/24/2021	<0.03
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.03
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.03
2/16/2022	
7/26/2022	
7/27/2022	<0.03
7/28/2022	
8/3/2022	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.03								
6/8/2016		<0.03	<0.03	0.016	<0.03	0.012			<0.03
6/9/2016							0.0074	0.0057	
8/11/2016	<0.03								
8/12/2016		<0.03	<0.03	0.0202 (J)					
8/15/2016									<0.03
8/18/2016					<0.03	0.0118 (J)	0.0078 (J)	0.0061 (J)	
10/7/2016	<0.03	<0.03	<0.03						
10/10/2016				0.0194 (J)	<0.03	0.0137 (J)	0.0093 (J)	0.006 (J)	<0.03
12/6/2016	<0.03	<0.03							
12/7/2016			<0.03	0.0265 (J)			0.0117 (J)	0.0066 (J)	
12/8/2016					<0.03	0.0154 (J)			<0.03
1/23/2017									
2/7/2017									
2/16/2017	<0.03	<0.03	<0.03						
2/17/2017				0.0253 (J)	<0.03	0.0125 (J)			
2/20/2017							0.011 (J)	0.0053 (J)	<0.03
3/27/2017									
4/17/2017									
4/19/2017	<0.03	<0.03	<0.03	0.0233 (J)	<0.03		0.0105 (J)	0.0055 (J)	
4/20/2017						0.012 (J)			<0.03
5/22/2017									
5/30/2017	<0.03								
6/1/2017		<0.03	<0.03	0.023 (J)	<0.03				<0.03
6/5/2017						0.0114 (J)	0.0108 (J)	0.0068 (J)	
7/11/2017									
7/14/2017	<0.03	<0.03	<0.03						
7/17/2017							0.0095 (J)	<0.03	<0.03
7/18/2017				0.0207 (J)	<0.03				
7/19/2017						0.0126 (J)			
8/23/2017									
3/26/2018									
3/27/2018	<0.03	<0.03	<0.03						
3/28/2018				0.013 (J)	<0.03				<0.03
3/29/2018						0.021 (J)	0.014 (J)	0.0053 (J)	
6/13/2018				0.02 (J)			0.014 (J)	0.0067 (J)	
6/14/2018	<0.03	<0.03			<0.03	0.024 (J)			<0.03
6/15/2018			<0.03						
10/17/2018	<0.03								
10/18/2018		<0.03							
10/19/2018			<0.03		<0.03				
10/22/2018				0.016 (J)		0.034 (J)	0.016 (J)	0.0075 (J)	<0.03
2/27/2019	<0.03	<0.03		0.015 (J)					
3/1/2019			<0.03			0.022 (J)	0.017 (J)	0.0068 (J)	<0.03
4/2/2019	0.00069 (J)	<0.03							
4/3/2019			<0.03	0.012 (J)	<0.03	0.024 (J)	0.013 (J)	0.0048 (J)	
4/4/2019									<0.03
9/26/2019	<0.03	<0.03	<0.03	0.018 (J)					
9/27/2019						0.039	0.024 (J)		
9/30/2019					<0.03			0.0077 (J)	<0.03
2/24/2020	<0.03	<0.03	<0.03	0.021 (J)					
2/25/2020						0.026 (J)	0.033		

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					<0.03			0.0082 (J)	<0.03
3/19/2020	<0.03								
3/20/2020		<0.03	<0.03		<0.03	0.029 (J)			
3/23/2020				0.02 (J)			0.032		
3/24/2020									<0.03
3/25/2020								0.0078 (J)	
9/24/2020	<0.03	<0.03			<0.03	0.043	0.031		
9/25/2020								0.0078 (J)	
9/28/2020			<0.03	0.027 (J)					<0.03
2/18/2021	<0.03	<0.03	<0.03	0.041					
2/19/2021					<0.03	0.035	0.04	0.0086 (J)	
2/23/2021									<0.03
3/8/2021									
3/24/2021	<0.03	<0.03							
3/25/2021									
3/26/2021			<0.03				0.039 (J)	<0.03	<0.03
3/29/2021				0.036	<0.03	0.033			
8/19/2021	<0.03	<0.03							<0.03
8/20/2021			<0.03	0.025 (J)	<0.03				
8/23/2021						0.028 (J)	0.029 (J)	0.0076 (J)	
2/11/2022	<0.03								
2/14/2022							0.033		
2/15/2022						0.032 (J)		0.0086 (J)	
2/16/2022		<0.03	<0.03	0.031	<0.03				<0.03
7/27/2022	<0.03	<0.03	<0.03	0.037					<0.03
7/28/2022					<0.03				
8/1/2022							0.029 (J)		
8/2/2022						0.03 (J)		<0.03	
10/21/2022								0.0057 (J)	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0171 (J)
2/7/2017	0.0196 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0192 (J)
4/17/2017	0.0169 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0167 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0177 (J)
7/11/2017	0.0203 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0182 (J)
3/26/2018	0.0063 (J)
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.0049 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.005 (J)
2/27/2019	
3/1/2019	0.0044 (J)
4/2/2019	0.0041 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.0012 (J)
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	0.00096 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.0014 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.0011 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0012 (J)
3/24/2021	
3/25/2021	<0.03
3/26/2021	
3/29/2021	
8/19/2021	0.0012 (J)
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.0015 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0012 (J)
8/2/2022	
10/21/2022	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.0044 (J)				
10/18/2018	<0.03								
10/19/2018			0.00098 (J)						
10/22/2018		<0.03		0.011 (J)					
4/2/2019					0.0021 (J)				
4/4/2019	<0.03		0.00068 (J)	0.0096 (J)					
4/5/2019		<0.03							
9/24/2019	<0.03		<0.03						
9/26/2019		<0.03		0.013					
9/27/2019					0.0028 (J)				
2/25/2020				0.011 (J)		0.044			
2/26/2020	<0.03				0.001 (J)				
2/27/2020		<0.03	<0.03				0.02 (J)	0.0036 (J)	
2/28/2020									0.00084 (J)
3/23/2020	<0.03				<0.03				
3/24/2020		<0.03	<0.03			0.025 (J)	0.019 (J)	0.0029 (J)	
3/25/2020				0.0092 (J)					0.00079 (J)
9/2/2020							0.0096 (J)		
9/25/2020		<0.03		0.0062 (J)		0.014 (J)			
9/28/2020	<0.03		<0.03		0.0011 (J)				
9/29/2020								0.0066 (J)	<0.03
2/19/2021			<0.03						
2/22/2021	<0.03			0.014 (J)		0.0092 (J)		0.0038 (J)	<0.03
2/23/2021		<0.03							
3/8/2021					0.0017 (J)				
3/9/2021							0.011 (J)		
3/25/2021					0.0022 (J)				
3/26/2021				0.02 (J)		0.0066 (J)			
3/29/2021	<0.03						0.012 (J)		
3/30/2021		<0.03	<0.03						0.00086 (J)
3/31/2021								0.0039 (J)	
8/19/2021							0.0066 (J)		
8/20/2021	<0.03			0.016 (J)		0.004 (J)			
8/23/2021					0.0022 (J)				
8/24/2021			<0.03					0.0056 (J)	0.001 (J)
8/25/2021		<0.03							
2/14/2022					0.002 (J)		0.0061 (J)		
2/15/2022									
2/16/2022	<0.03	<0.15 (o)	<0.03					0.0042 (J)	<0.15 (o)
2/17/2022				0.018 (J)		<0.15 (o)			
7/28/2022	<0.03		<0.03	0.016 (J)		0.0026 (J)			<0.03
7/29/2022		<0.03			0.0012 (J)				
8/2/2022							0.009 (J)	0.0038 (J)	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.00092 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.0017 (J)
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.0017 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.0024 (J)
8/25/2021	
2/14/2022	
2/15/2022	0.002 (J)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.0018 (J)
8/2/2022	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.03
6/8/2016								0.0079	
8/10/2016									<0.03
8/11/2016								0.0093 (J)	
10/4/2016									<0.03
10/5/2016									
10/6/2016								0.0102 (J)	
12/2/2016									<0.03
12/5/2016									
12/6/2016								0.0094 (J)	
2/14/2017									<0.03
2/15/2017								<0.03	
4/14/2017									<0.03
4/17/2017									
4/18/2017								0.0086 (J)	
5/26/2017									<0.03
6/2/2017								0.0102 (J)	
7/10/2017									<0.03
7/11/2017									
7/14/2017								0.0092 (J)	
3/26/2018									<0.03
3/27/2018								0.0087 (J)	
6/12/2018									<0.03
6/13/2018								0.0084 (J)	
10/16/2018									0.001 (J)
10/17/2018									
10/18/2018								0.0083 (J)	
2/25/2019									<0.03
2/28/2019								0.0086 (J)	
4/1/2019									<0.03
4/2/2019								0.0073 (J)	
9/24/2019								0.0083 (J)	<0.03
2/19/2020									<0.03
2/20/2020									
2/21/2020								0.0088 (J)	
3/18/2020									<0.03
3/19/2020								0.0097 (J)	
9/3/2020	0.0014 (J)	0.023 (J)	0.0016 (J)						
9/23/2020									<0.03
9/24/2020									
9/25/2020								0.0065 (J)	
1/28/2021						0.0017 (J)	0.0037 (J)		
2/16/2021									<0.03
2/17/2021									
2/18/2021				0.0035 (J)				0.0072 (J)	
2/22/2021	<0.03								
2/23/2021						0.0015 (J)	0.0038 (J)		
3/8/2021		0.024 (J)							
3/24/2021									<0.03
3/29/2021		0.026 (J)							
3/30/2021						0.0035 (J)	0.0038 (J)	0.0084 (J)	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			0.0029 (J)						
4/1/2021	0.0022 (J)								
4/19/2021				0.0083 (J)	<0.03				
8/18/2021			0.0027 (J)		<0.03				<0.03
8/19/2021								0.007 (J)	
8/20/2021	0.0012 (J)								
8/23/2021		0.031				0.0011 (J)	0.0033 (J)		
8/24/2021				0.01 (J)					
2/9/2022			0.0036 (J)		<0.03				
2/10/2022									<0.03
2/11/2022								0.0074 (J)	
2/14/2022						<0.03	0.002 (J)		
2/15/2022		0.027 (J)							
2/17/2022	<0.15 (o)			0.0076 (J)					
7/26/2022			0.0037 (J)		<0.03				<0.03
7/28/2022	0.0016 (J)						0.00088 (J)	0.0061 (J)	
8/1/2022		0.025 (J)		0.0057 (J)		<0.03			

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.03
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.03
10/4/2016	
10/5/2016	<0.03
10/6/2016	
12/2/2016	
12/5/2016	<0.03
12/6/2016	
2/14/2017	
2/15/2017	<0.03
4/14/2017	
4/17/2017	0.0013 (J)
4/18/2017	
5/26/2017	0.0013 (J)
6/2/2017	
7/10/2017	
7/11/2017	<0.03
7/14/2017	
3/26/2018	
3/27/2018	0.0014 (J)
6/12/2018	0.0012 (J)
6/13/2018	
10/16/2018	
10/17/2018	<0.03
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.0012 (J)
4/2/2019	
9/24/2019	0.0011 (J)
2/19/2020	
2/20/2020	0.002 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.0019 (J)
9/3/2020	
9/23/2020	
9/24/2020	0.0011 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.0013 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	0.0014 (J)
3/29/2021	
3/30/2021	

Time Series

Constituent: Lithium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0013 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.0016 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.0014 (J)
7/28/2022	
8/1/2022	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	7.7E-05 (J)					8.4E-05 (J)			
6/7/2016							0.0001 (J)	0.0001 (J)	
8/9/2016	<0.0002								
8/10/2016						<0.0002			
8/11/2016									
8/12/2016								<0.0002	
8/16/2016							<0.0002		
8/22/2016		<0.0002							
10/3/2016	<0.0002								
10/4/2016		<0.0002				<0.0002			
10/6/2016								<0.0002	
10/7/2016							<0.0002		
11/29/2016	<0.0002								
12/1/2016		<0.0002				<0.0002			
12/5/2016								<0.0002	
12/6/2016							<0.0002		
1/10/2017		<0.0002							
2/13/2017	<0.0002								
2/14/2017		<0.0002				<0.0002			
2/15/2017								<0.0002	
2/16/2017							<0.0002		
4/13/2017	<0.0002					<0.0002			
4/14/2017		<0.0002							
4/18/2017							<0.0002	<0.0002	
5/25/2017	<0.0002	<0.0002				<0.0002			
5/30/2017									
6/2/2017							<0.0002	<0.0002	
7/7/2017	<0.0002					<0.0002			
7/10/2017		<0.0002							
7/12/2017							<0.0002		
7/13/2017								<0.0002	
7/14/2017									
3/26/2018	<0.0002	<0.0002							
3/27/2018							<0.0002		
3/28/2018								<0.0002	
2/25/2019	<0.0002								
2/27/2019		6.5E-05 (J)							
2/28/2019							4.8E-05 (J)	5.8E-05 (J)	
4/1/2019	<0.0002	<0.0002						<0.0002	
4/2/2019						<0.0002	<0.0002		
4/3/2019			<0.0002						
9/23/2019	<0.0002	<0.0002				<0.0002			
9/25/2019							<0.0002	<0.0002	
9/26/2019									
9/27/2019			<0.0002						
2/18/2020	<0.0002					<0.0002			
2/19/2020		<0.0002							
2/20/2020							<0.0002		
2/21/2020			<0.0002						
2/24/2020								<0.0002	
3/18/2020	<0.0002	<0.0002							
3/19/2020						<0.0002		<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.0002						
3/23/2020							<0.0002		
5/22/2020				<0.0002					<0.0002
5/25/2020					<0.0002				
6/23/2020				<0.0002	<0.0002				<0.0002
7/28/2020				<0.0002	<0.0002				<0.0002
9/2/2020				<0.0002					<0.0002
9/3/2020					<0.0002				
9/23/2020	<0.0002	<0.0002				<0.0002			
9/24/2020							<0.0002		
9/25/2020			8.7E-05 (J)					<0.0002	
10/1/2020				<0.0002	<0.0002				<0.0002
11/10/2020				<0.0002	<0.0002				<0.0002
12/15/2020				<0.0002	<0.0002				<0.0002
1/20/2021				<0.0002	<0.0002				<0.0002
2/16/2021	<0.0002	<0.0002							
2/17/2021				<0.0002	<0.0002				
2/18/2021						<0.0002	<0.0002		<0.0002
2/19/2021			<0.0002					<0.0002	
3/23/2021		<0.0002							
3/24/2021								<0.0002	<0.0002
3/25/2021				<0.0002	<0.0002				
3/26/2021	<0.0002								
3/30/2021							<0.0002		
3/31/2021						<0.0002			
4/1/2021			<0.0002						
8/16/2021	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002			
8/18/2021							<0.0002	<0.0002	<0.0002
8/25/2021			<0.0002						
2/9/2022	<0.0002			<0.0002	<0.0002	<0.0002			<0.0002
2/10/2022		<0.0002							
2/11/2022							<0.0002	<0.0002	
2/16/2022			<0.0002						
7/26/2022	0.00019 (J)	0.00015 (J)		0.00022	0.00014 (J)	<0.0002			0.00016 (J)
7/27/2022								<0.0002	
7/28/2022							<0.0002		
8/3/2022			<0.0002						

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	9.8E-05 (J)
8/9/2016	
8/10/2016	
8/11/2016	<0.0002
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.0002
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.0002
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.0002
4/13/2017	
4/14/2017	
4/18/2017	<0.0002
5/25/2017	
5/30/2017	<0.0002
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.0002
3/26/2018	
3/27/2018	<0.0002
3/28/2018	
2/25/2019	<0.0002
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.0002
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.0002
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	<0.0002
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.0002
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.0002
2/19/2021	
3/23/2021	
3/24/2021	<0.0002
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.0002 (J)
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.0002
2/16/2022	
7/26/2022	
7/27/2022	<0.0002
7/28/2022	
8/3/2022	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.00017 (J)								
6/8/2016		<0.0002	<0.0002	<0.0002	<0.0002	9.2E-05 (J)			<0.0002
6/9/2016							<0.0002	<0.0002	
8/11/2016	0.00019 (J)								
8/12/2016		<0.0002	<0.0002	<0.0002					
8/15/2016									<0.0002
8/18/2016					<0.0002	<0.0002	<0.0002	<0.0002	
10/7/2016	0.00014 (J)	<0.0002	<0.0002						
10/10/2016				<0.0002	<0.0002	<0.0002	<0.0002	4E-05 (J)	<0.0002
12/6/2016	0.00016 (J)	<0.0002							
12/7/2016			8E-05 (J)	<0.0002			5E-05 (J)	7E-05 (J)	
12/8/2016					<0.0002	<0.0002			<0.0002
1/23/2017									
2/7/2017									
2/16/2017	0.00017 (J)	<0.0002	<0.0002						
2/17/2017				<0.0002	<0.0002	<0.0002			
2/20/2017							<0.0002	5E-05 (J)	<0.0002
3/27/2017									
4/17/2017									
4/19/2017	0.00014 (J)	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	0.00016 (J)	
4/20/2017						<0.0002			<0.0002
5/22/2017									
5/30/2017	0.00023 (J)								
6/1/2017		<0.0002	<0.0002	<0.0002	<0.0002				<0.0002
6/5/2017						<0.0002	<0.0002	0.00013 (J)	
7/11/2017									
7/14/2017	0.00016 (J)	<0.0002	<0.0002						
7/17/2017							<0.0002	0.00013 (J)	<0.0002
7/18/2017				<0.0002	<0.0002				
7/19/2017						<0.0002			
8/23/2017									
3/26/2018									
3/27/2018	<0.0002	<0.0002	<0.0002						
3/28/2018				<0.0002	<0.0002				<0.0002
3/29/2018						<0.0002	<0.0002	<0.0002	
2/27/2019	0.00029 (J)	7.9E-05 (J)		6.6E-05 (J)					
3/1/2019			5E-05 (J)			4.2E-05 (J)	4.4E-05 (J)	0.00093	4.7E-05 (J)
4/2/2019	0.0004	<0.0002							
4/3/2019			<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0013	
4/4/2019									<0.0002
9/26/2019	<0.0002	<0.0002	<0.0002	<0.0002					
9/27/2019						<0.0002	<0.0002		
9/30/2019					<0.0002			0.0011	<0.0002
2/24/2020	0.0003 (J)	<0.0002	<0.0002	<0.0002					
2/25/2020						<0.0002	<0.0002		
2/26/2020					<0.0002			0.0011	<0.0002
3/19/2020	0.00017 (J)								
3/20/2020		<0.0002	<0.0002		<0.0002	<0.0002			
3/23/2020				<0.0002			<0.0002		
3/24/2020									<0.0002
3/25/2020								0.0011	
9/24/2020	0.00027 (J)	<0.0002			<0.0002	<0.0002	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	8E-05 (J)
2/7/2017	0.00011 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	8E-05 (J)
4/17/2017	4E-05 (J)
4/19/2017	
4/20/2017	
5/22/2017	<0.0002
5/30/2017	
6/1/2017	
6/5/2017	6E-05 (J)
7/11/2017	9.1E-05 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	5E-05 (J)
3/26/2018	<0.0002
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	0.0001 (J)
4/2/2019	<0.0002
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	<0.0002
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	<0.0002
3/19/2020	
3/20/2020	
3/23/2020	<0.0002
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	<0.0002
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.0002
3/24/2021	
3/25/2021	<0.0002
3/26/2021	
3/29/2021	
8/19/2021	<0.0002
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.0002
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.0002
8/2/2022	
10/21/2022	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					<0.0002				
4/4/2019	<0.0002		<0.0002	<0.0002					
4/5/2019		<0.0002							
9/24/2019	<0.0002		<0.0002						
9/26/2019		<0.0002		<0.0002					
9/27/2019					<0.0002				
2/25/2020				<0.0002		<0.0002			
2/26/2020	<0.0002				0.00018 (J)				
2/27/2020		<0.0002	<0.0002				<0.0002	<0.0002	
2/28/2020									<0.0002
3/23/2020	<0.0002				<0.0002				
3/24/2020		<0.0002	<0.0002			<0.0002	<0.0002	<0.0002	
3/25/2020				<0.0002					<0.0002
9/2/2020							0.0001 (J)		
9/25/2020		<0.0002		<0.0002		<0.0002			
9/28/2020	<0.0002		<0.0002		<0.0002				
9/29/2020								<0.0002	<0.0002
2/19/2021			<0.0002						
2/22/2021	<0.0002			<0.0002		<0.0002		<0.0002	<0.0002
2/23/2021		<0.0002							
3/8/2021					<0.0002				
3/9/2021							<0.0002		
3/25/2021					<0.0002				
3/26/2021				<0.0002		<0.0002			
3/29/2021	<0.0002						<0.0002		
3/30/2021		<0.0002	<0.0002						<0.0002
3/31/2021								<0.0002	
8/19/2021							0.00012 (J)		
8/20/2021	<0.0002			<0.0002		<0.0002			
8/23/2021					<0.0002				
8/24/2021			<0.0002					<0.0002	<0.0002
8/25/2021		<0.0002							
2/14/2022					<0.0002		<0.0002		
2/15/2022									
2/16/2022	<0.0002	<0.0002	<0.0002					<0.0002	<0.0002
2/17/2022				<0.0002		<0.0002			
7/28/2022	0.00015 (J)		0.00014 (J)	0.00016 (J)		<0.0002			<0.0002
7/29/2022		<0.0002			<0.0002				
8/2/2022							0.00028	<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.0002
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.0002
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.0002
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.0002
8/25/2021	
2/14/2022	
2/15/2022	<0.0002
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.0002
8/2/2022	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									9.7E-05 (J)
6/8/2016								<0.0002	
8/10/2016									<0.0002
8/11/2016								<0.0002	
10/4/2016									<0.0002
10/5/2016									
10/6/2016								<0.0002	
12/2/2016									<0.0002
12/5/2016									
12/6/2016								<0.0002	
2/14/2017									<0.0002
2/15/2017								<0.0002	
4/14/2017									<0.0002
4/17/2017									
4/18/2017								<0.0002	
5/26/2017									<0.0002
6/2/2017								<0.0002	
7/10/2017									<0.0002
7/11/2017									
7/14/2017								<0.0002	
3/26/2018									<0.0002
3/27/2018								<0.0002	
2/25/2019									<0.0002
2/28/2019								5.3E-05 (J)	
4/1/2019									<0.0002
4/2/2019								<0.0002	
9/24/2019								<0.0002	<0.0002
2/19/2020									<0.0002
2/20/2020									
2/21/2020								<0.0002	
3/18/2020									<0.0002
3/19/2020								<0.0002	
9/3/2020	<0.0002	<0.0002	<0.0002						
9/23/2020									<0.0002
9/24/2020									
9/25/2020								<0.0002	
1/28/2021						0.0046	0.00019 (J)		
2/16/2021									<0.0002
2/17/2021									
2/18/2021			<0.0002					<0.0002	
2/22/2021	<0.0002								
2/23/2021						0.0033	<0.0002		
3/8/2021		<0.0002							
3/24/2021									<0.0002
3/29/2021		<0.0002							
3/30/2021						0.002	<0.0002	<0.0002	
3/31/2021			<0.0002						
4/1/2021	<0.0002								
4/19/2021				<0.0002	<0.0002				
8/18/2021			<0.0002		<0.0002				<0.0002
8/19/2021								<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.0002								
8/23/2021		<0.0002				0.0014	<0.0002		
8/24/2021				<0.0002					
2/9/2022			<0.0002		<0.0002				
2/10/2022									<0.0002
2/11/2022								<0.0002	
2/14/2022						0.00025	<0.0002		
2/15/2022		<0.0002							
2/17/2022	<0.0002			<0.0002					
7/26/2022			0.00017 (J)		<0.0002				0.00016 (J)
7/28/2022	<0.0002						<0.0002	<0.0002	
8/1/2022		<0.0002		<0.0002		<0.0002			

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	8E-05 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.0002
10/4/2016	
10/5/2016	<0.0002
10/6/2016	
12/2/2016	
12/5/2016	<0.0002
12/6/2016	
2/14/2017	
2/15/2017	<0.0002
4/14/2017	
4/17/2017	<0.0002
4/18/2017	
5/26/2017	<0.0002
6/2/2017	
7/10/2017	
7/11/2017	<0.0002
7/14/2017	
3/26/2018	
3/27/2018	<0.0002
2/25/2019	
2/28/2019	
4/1/2019	<0.0002
4/2/2019	
9/24/2019	<0.0002
2/19/2020	
2/20/2020	<0.0002
2/21/2020	
3/18/2020	
3/19/2020	<0.0002
9/3/2020	
9/23/2020	
9/24/2020	<0.0002
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.0002
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.0002
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.0002
8/19/2021	

Time Series

Constituent: Mercury (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.0002
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.00016 (J)
7/28/2022	
8/1/2022	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	0.0015 (J)					<0.01			
6/7/2016							0.0067 (J)	<0.01	
8/9/2016	0.0016 (J)								
8/10/2016						<0.01			
8/11/2016									
8/12/2016								<0.01	
8/16/2016							0.0032 (J)		
8/22/2016		<0.01							
10/3/2016	<0.01								
10/4/2016		<0.01				<0.01			
10/6/2016								<0.01	
10/7/2016							0.0032 (J)		
11/29/2016	0.0022 (J)								
12/1/2016		<0.01				<0.01			
12/5/2016								<0.01	
12/6/2016							0.0049 (J)		
1/10/2017		<0.01							
2/13/2017	0.002 (J)								
2/14/2017		<0.01				<0.01			
2/15/2017								<0.01	
2/16/2017							0.0039 (J)		
4/13/2017	0.0025 (J)					<0.01			
4/14/2017		<0.01							
4/18/2017							0.0032 (J)	<0.01	
5/25/2017	0.002 (J)	<0.01				<0.01			
5/30/2017									
6/2/2017							0.0035 (J)	<0.01	
7/7/2017	0.0017 (J)					<0.01			
7/10/2017		<0.01							
7/12/2017							0.0037 (J)		
7/13/2017								<0.01	
7/14/2017									
3/26/2018	<0.01	<0.01							
3/27/2018							0.0032 (J)		
3/28/2018								<0.01	
6/12/2018	<0.01	<0.01							
6/14/2018							0.0033 (J)	<0.01	
10/16/2018	<0.01	<0.01				<0.01			
10/17/2018								<0.01	
10/18/2018							0.0034 (J)		
2/25/2019	<0.01								
2/27/2019		<0.01							
2/28/2019							0.0035 (J)	<0.01	
4/1/2019	0.0014 (J)	0.00053 (J)						<0.01	
4/2/2019						0.00026 (J)	0.0032 (J)		
4/3/2019			0.034						
5/2/2019	<0.01								
7/9/2019			0.034						
9/23/2019	0.0017 (J)	<0.01				<0.01			
9/25/2019							0.0035 (J)	<0.01	
9/26/2019									
9/27/2019			0.019						

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/18/2020	<0.01					<0.01			
2/19/2020		<0.01							
2/20/2020							0.0037 (J)		
2/21/2020			0.029						
2/24/2020								<0.01	
3/18/2020	0.0012 (J)	<0.01							
3/19/2020						<0.01		<0.01	
3/20/2020			0.032						
3/23/2020							0.0035 (J)		
5/22/2020				0.0011 (J)					0.0012 (J)
5/25/2020					0.003 (J)				
6/23/2020				<0.01	0.0048 (J)				<0.01
7/28/2020				<0.01	0.0073 (J)				0.00094 (J)
9/2/2020				<0.01					0.0013 (J)
9/3/2020					0.0074 (J)				
9/23/2020	<0.01	<0.01				<0.01			
9/24/2020							0.0032 (J)		
9/25/2020			0.032					<0.01	
10/1/2020				<0.01	0.0046 (J)				0.0017 (J)
11/10/2020				<0.01	0.0016 (J)				0.0016 (J)
12/15/2020				<0.01	0.0021				0.0019
1/20/2021				<0.01	0.0018 (J)				0.0016 (J)
2/16/2021	0.0011 (J)	<0.01							
2/17/2021				<0.01	0.0017 (J)				
2/18/2021						<0.01	0.0036 (J)		0.0045 (J)
2/19/2021			0.029					<0.01	
3/23/2021		<0.01							
3/24/2021								<0.01	<0.01
3/25/2021				<0.01	0.0015 (J)				
3/26/2021	0.00092 (J)								
3/30/2021							0.0035 (J)		
3/31/2021						0.001 (J)			
4/1/2021			0.026						
8/16/2021	<0.01	<0.01		<0.01	0.0011 (J)	<0.01			
8/18/2021							0.0029 (J)	<0.01	0.0011 (J)
8/25/2021			0.031						
2/9/2022	<0.01			<0.01	0.00093 (J)	<0.01			<0.01
2/10/2022		<0.01							
2/11/2022							0.003 (J)	<0.01	
2/16/2022			0.025						
7/26/2022	<0.01	<0.01		<0.01	0.0039 (J)	<0.01			0.0015 (J)
7/27/2022								<0.01	
7/28/2022							0.0028 (J)		
8/3/2022			0.0094 (J)						

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	<0.01
8/9/2016	
8/10/2016	
8/11/2016	<0.01
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.01
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.01
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	<0.01
4/13/2017	
4/14/2017	
4/18/2017	<0.01
5/25/2017	
5/30/2017	<0.01
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.01
3/26/2018	
3/27/2018	<0.01
3/28/2018	
6/12/2018	<0.01
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	<0.01
2/25/2019	<0.01
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	<0.01
4/3/2019	
5/2/2019	
7/9/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.01
9/27/2019	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

2/18/2020	
2/19/2020	
2/20/2020	<0.01
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	<0.01
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	<0.01
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	<0.01
2/19/2021	
3/23/2021	
3/24/2021	<0.01
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.01
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.01
2/16/2022	
7/26/2022	
7/27/2022	<0.01
7/28/2022	
8/3/2022	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	<0.01								
6/8/2016		<0.01	<0.01	0.011 (J)	0.0027 (J)	0.07			0.0064 (J)
6/9/2016							0.013 (J)	0.0024 (J)	
8/11/2016	<0.01								
8/12/2016		<0.01	<0.01	0.0127					
8/15/2016									0.0039 (J)
8/18/2016					0.0023 (J)	0.0758	0.0136	0.0034 (J)	
10/7/2016	<0.01	<0.01	<0.01						
10/10/2016				0.0136	0.0025 (J)	0.0712	0.0134	0.0047 (J)	0.0029 (J)
12/6/2016	<0.01	<0.01							
12/7/2016			<0.01	0.0139			0.0128	0.0066 (J)	
12/8/2016					<0.01	0.0682			<0.01
1/23/2017									
2/7/2017									
2/16/2017	<0.01	<0.01	<0.01						
2/17/2017				0.0148	<0.01	0.066			
2/20/2017							0.0122	0.0026 (J)	0.0024 (J)
3/27/2017									
4/17/2017									
4/19/2017	<0.01	<0.01	<0.01	0.012	0.0014 (J)		0.0124	0.002 (J)	
4/20/2017						0.0662			0.0019 (J)
5/22/2017									
5/30/2017	<0.01								
6/1/2017		<0.01	<0.01	0.0125	0.0012 (J)				0.0026 (J)
6/5/2017						0.071	0.0115	0.0015 (J)	
7/11/2017									
7/14/2017	<0.01	<0.01	<0.01						
7/17/2017							0.0131	0.0013 (J)	0.0024 (J)
7/18/2017				0.0155	0.0013 (J)				
7/19/2017						0.0703			
8/23/2017									
3/26/2018									
3/27/2018	<0.01	<0.01	<0.01						
3/28/2018				0.012	<0.01				<0.01
3/29/2018						0.056	0.013	0.0027 (J)	
6/13/2018				0.016			0.013	<0.01	
6/14/2018	<0.01	<0.01			<0.01	0.059			<0.01
6/15/2018			<0.01						
10/17/2018	<0.01								
10/18/2018		<0.01							
10/19/2018			<0.01		<0.01				
10/22/2018				0.013		0.055	0.013	<0.01	<0.01
2/27/2019	<0.01	<0.01		0.013					
3/1/2019			<0.01			0.039	0.013	<0.01	<0.01
4/2/2019	<0.01	<0.01							
4/3/2019			0.00023 (J)	0.012	0.0019 (J)	0.039	0.012	0.00095 (J)	
4/4/2019									0.00096 (J)
5/2/2019						0.043			
9/26/2019	<0.01	<0.01	<0.01	0.015					
9/27/2019						0.045	0.012		
9/30/2019					0.003 (J)			0.00099 (J)	<0.01
2/24/2020	<0.01	<0.01	<0.01	0.015					

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/25/2020						0.039	0.014		
2/26/2020					0.0016 (J)			<0.01	<0.01
3/19/2020	<0.01								
3/20/2020		<0.01	<0.01		0.0023 (J)	0.039			
3/23/2020				0.016			0.013		
3/24/2020									<0.01
3/25/2020								<0.01	
9/24/2020	<0.01	<0.01			0.0036 (J)	0.04	0.011		
9/25/2020								0.00081 (J)	
9/28/2020			<0.01	0.018					<0.01
2/18/2021	<0.01	<0.01	<0.01	0.028					
2/19/2021					0.0013 (J)	0.046	0.011	<0.01	
2/23/2021									<0.01
3/8/2021									
3/24/2021	<0.01	<0.01							
3/25/2021									
3/26/2021			<0.01				0.011 (J)	<0.01	<0.01
3/29/2021				0.024	0.0021 (J)	0.045			
7/19/2021						0.044	0.011	<0.01	
7/20/2021									
8/19/2021	<0.01	<0.01							<0.01
8/20/2021			<0.01	0.026	0.003 (J)				
8/23/2021						0.041	0.0098 (J)	<0.01	
11/1/2021						0.043	0.0092 (J)	<0.01	
2/11/2022	<0.01								
2/14/2022							0.0079 (J)		
2/15/2022						0.039		<0.01	
2/16/2022		<0.01	<0.01	0.025	0.005 (J)				<0.01
7/27/2022	<0.01	<0.01	<0.01	0.028					<0.01
7/28/2022					0.0042 (J)				
8/1/2022							0.0071 (J)		
8/2/2022						0.04		0.0027 (J)	
10/21/2022								<0.01 (R)	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0125
2/7/2017	0.0163
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0157
4/17/2017	0.0178
4/19/2017	
4/20/2017	
5/22/2017	0.0208
5/30/2017	
6/1/2017	
6/5/2017	0.0191
7/11/2017	0.0218
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0218
3/26/2018	0.014
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.012
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.01
2/27/2019	
3/1/2019	0.011
4/2/2019	0.01
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	0.0036 (J)
9/30/2019	
2/24/2020	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30	
2/25/2020	
2/26/2020	0.0023 (J)
3/19/2020	
3/20/2020	
3/23/2020	0.0037 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	0.0027 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0031 (J)
3/24/2021	
3/25/2021	0.0017 (J)
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	0.0018 (J)
8/19/2021	0.0032 (J)
8/20/2021	
8/23/2021	
11/1/2021	0.0032 (J)
2/11/2022	
2/14/2022	0.0048 (J)
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0047 (J)
8/2/2022	
10/21/2022	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.017				
10/18/2018	<0.01								
10/19/2018			0.0021 (J)						
10/22/2018		0.0038 (J)		0.033					
11/29/2018				0.03					
1/14/2019					0.013				
4/2/2019					0.011				
4/4/2019	0.00033 (J)		0.0011 (J)	0.03					
4/5/2019		0.0035 (J)							
5/2/2019							0.11		
5/3/2019		0.0048 (J)				0.04			
9/24/2019	<0.01		<0.01						
9/26/2019		0.003 (J)		0.033					
9/27/2019					0.013				
2/25/2020				0.026		0.012			
2/26/2020	<0.01				0.0032 (J)				
2/27/2020		0.0032 (J)	0.001 (J)				0.11	0.0039 (J)	
2/28/2020									0.0014 (J)
3/23/2020	<0.01				0.0058 (J)				
3/24/2020		0.0031 (J)	0.001 (J)			0.01	0.12	0.0026 (J)	
3/25/2020				0.022					0.0012 (J)
5/4/2020									
9/2/2020							0.1		
9/25/2020		0.003 (J)		0.024		0.0088 (J)			
9/28/2020	<0.01		0.00078 (J)		0.0084 (J)				
9/29/2020								0.01	0.00069 (J)
2/19/2021			0.0009 (J)						
2/22/2021	<0.01			0.035		0.012		0.0076 (J)	<0.01
2/23/2021		0.0032 (J)							
3/8/2021					0.0083 (J)				
3/9/2021							0.13		
3/25/2021					0.013				
3/26/2021				0.036		0.017			
3/29/2021	<0.01						0.13		
3/30/2021		0.0037 (J)	0.0011 (J)						<0.01
3/31/2021								0.0062 (J)	
8/19/2021							0.076		
8/20/2021	<0.01			0.04		0.016			
8/23/2021					0.014				
8/24/2021			0.00098 (J)					0.0076 (J)	<0.01
8/25/2021		0.0038 (J)							
11/1/2021							0.081		
2/14/2022					0.012		0.097		
2/15/2022									
2/16/2022	<0.01	0.0038 (J)	0.00094 (J)					0.0052 (J)	<0.01
2/17/2022				0.039		0.016			
7/28/2022	<0.01		0.0011 (J)	0.036		0.0082 (J)			<0.01
7/29/2022		0.0036 (J)			0.0095 (J)				
8/2/2022							0.093	0.0062 (J)	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
11/29/2018	
1/14/2019	
4/2/2019	
4/4/2019	
4/5/2019	
5/2/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	<0.01
9/2/2020	0.015
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	0.013
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.011
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	0.011
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	0.0087 (J)
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	0.008 (J)
8/2/2022	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									0.00063 (J)
6/8/2016								0.0088 (J)	
8/10/2016									0.0039 (J)
8/11/2016								0.01	
10/4/2016									0.0052 (J)
10/5/2016									
10/6/2016								0.0117	
12/2/2016									<0.01
12/5/2016									
12/6/2016								0.0102	
2/14/2017									0.0044 (J)
2/15/2017								0.0018 (J)	
4/14/2017									0.0013 (J)
4/17/2017									
4/18/2017								0.0103	
5/26/2017									0.0024 (J)
6/2/2017								0.0129	
7/10/2017									0.0013 (J)
7/11/2017									
7/14/2017								0.0129	
3/26/2018									<0.01
3/27/2018								0.01	
6/12/2018									0.0026 (J)
6/13/2018								0.013	
10/16/2018									0.0041 (J)
10/17/2018									
10/18/2018								0.01 (J)	
2/25/2019									<0.01
2/28/2019								0.016	
4/1/2019									0.00054 (J)
4/2/2019								0.011	
9/24/2019								0.01 (J)	0.0016 (J)
2/19/2020									0.0018 (J)
2/20/2020									
2/21/2020								0.011	
3/18/2020									<0.01
3/19/2020								0.011	
5/4/2020		0.14	<0.01						
5/11/2020	0.02								
5/20/2020	0.021	0.16							
9/3/2020	0.018	0.11	0.0055 (J)						
9/23/2020									<0.01
9/24/2020									
9/25/2020								0.0099 (J)	
1/28/2021						<0.01	0.0038 (J)		
2/16/2021									0.0011 (J)
2/17/2021									
2/18/2021			0.0062 (J)					0.0098 (J)	
2/22/2021	0.0052 (J)								
2/23/2021						<0.01	0.0039 (J)		
3/8/2021		0.2							

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/24/2021									<0.01
3/29/2021		0.21							
3/30/2021						0.0027 (J)	0.0035 (J)	0.011	
3/31/2021			0.0023 (J)						
4/1/2021	0.0059 (J)								
4/19/2021				0.0067 (J)	0.0043 (J)				
7/20/2021		0.24							
8/18/2021			0.0041 (J)		0.0021 (J)				0.0019 (J)
8/19/2021								0.0094 (J)	
8/20/2021	0.013								
8/23/2021		0.21				<0.01	0.0038 (J)		
8/24/2021				0.0049 (J)					
2/9/2022			0.0011 (J)		0.0032 (J)				
2/10/2022									0.00081 (J)
2/11/2022								0.0088 (J)	
2/14/2022						<0.01	0.0041 (J)		
2/15/2022		0.15							
2/17/2022	0.0055 (J)			0.0056 (J)					
7/26/2022			0.012		0.0029 (J)				0.00096 (J)
7/28/2022	0.0092 (J)						0.0053 (J)	0.009 (J)	
8/1/2022		0.16		0.0066 (J)		<0.01			

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.0028 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.003 (J)
10/4/2016	
10/5/2016	0.0032 (J)
10/6/2016	
12/2/2016	
12/5/2016	0.0033 (J)
12/6/2016	
2/14/2017	
2/15/2017	0.0027 (J)
4/14/2017	
4/17/2017	0.0025 (J)
4/18/2017	
5/26/2017	0.0029 (J)
6/2/2017	
7/10/2017	
7/11/2017	0.0029 (J)
7/14/2017	
3/26/2018	
3/27/2018	0.0031 (J)
6/12/2018	0.0043 (J)
6/13/2018	
10/16/2018	
10/17/2018	0.0038 (J)
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	0.0027 (J)
4/2/2019	
9/24/2019	0.0041 (J)
2/19/2020	
2/20/2020	0.002 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.0024 (J)
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.0034 (J)
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	0.0033 (J)
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	

Time Series

Constituent: Molybdenum (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
3/24/2021	0.0027 (J)
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	0.0028 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	0.0026 (J)
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.0029 (J)
7/28/2022	
8/1/2022	

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
9/27/2019			7.75			7.28			
2/18/2020	7.67					7.27			
2/19/2020		8.01							
2/20/2020							7.46		
2/21/2020			7.54						
2/24/2020								7.28	
3/18/2020	7.65	8.12							
3/19/2020						7.2		7.18	
3/20/2020			7.53						
3/23/2020							7.51		
5/22/2020				7.15					7.2
5/25/2020					7.45				
6/23/2020				7 (D)	7.46 (D)				7.41 (D)
7/28/2020				6.98	7.79				6.98
9/2/2020				6.95					6.97
9/3/2020					7.35				
9/23/2020	7.32	8.08				7.36			
9/24/2020							7.54		
9/25/2020			7.62					7.1	
9/28/2020			7.02						
10/1/2020				6.94	7.41				7.08
11/10/2020				6.89	7.17				7
12/15/2020				7.04	7.37				7.02
1/20/2021				6.83	7.31				7.12
2/16/2021	7.75	8							
2/17/2021				6.89	7.21				
2/18/2021						7.34	7.54		7.14
2/19/2021			7.73					7	
3/23/2021		8							
3/24/2021								7.04	7.04
3/25/2021				6.94	7.22				
3/26/2021	7.63								
3/30/2021							7.41		
3/31/2021						7.17			
4/1/2021			7.75						
8/16/2021	7.46	7.6		6.8	7.13	7.07			
8/18/2021							7.34	7.09	6.86
8/25/2021			7.52						
2/9/2022	7.36			6.86	7.16	7.16			7.01
2/10/2022		8.09							
2/11/2022							7.58	7.18	
2/16/2022			7.2						
7/26/2022	7.45	7.92		6.75	7.37	7.34			6.78
7/27/2022								6.85	
7/28/2022							7.63		
8/3/2022			6.89						

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	6.99
8/9/2016	
8/10/2016	
8/11/2016	6.93
8/12/2016	
8/15/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	6.79
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	6.95
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	6.8
4/13/2017	
4/14/2017	
4/18/2017	6.9
5/25/2017	
5/30/2017	6.99
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	6.93
10/9/2017	
10/10/2017	
10/11/2017	6.78
3/26/2018	
3/27/2018	6.81
3/28/2018	
6/12/2018	7.01
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	6.7
2/25/2019	6.74
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	6.75
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	6.7

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	6.48
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	6.6
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	6.66
9/25/2020	
9/28/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	6.66
2/19/2021	
3/23/2021	
3/24/2021	6.7
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	6.66
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	6.57
2/16/2022	
7/26/2022	
7/27/2022	6.49
7/28/2022	
8/3/2022	

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	7.41								
6/8/2016		6.93	6.58	7.45	7.88	7.1			7.95
6/9/2016							7.3	6.83	
8/11/2016	7.39								
8/12/2016		6.98	6.59	7.18					
8/15/2016									7.66
8/18/2016					7.86	7.1	7.27	6.88	
10/7/2016	7.33	6.91	6.77						
10/10/2016				6.66	7.96	6.77	7.35	6.95	7.26
12/6/2016	7.4	7.06							
12/7/2016			6.63	7.46			7.23	6.91	
12/8/2016					7.82	6.94			7.55
1/23/2017									
2/7/2017									
2/16/2017	7.21	6.62	6.55						
2/17/2017				7.17	7.56	7.02			
2/20/2017							7.17	6.71	7.45
3/27/2017									
4/17/2017									
4/19/2017	7.06	6.75	6.5	7.01	7.42		7.22	6.76	
4/20/2017						6.95			7.58
5/22/2017									
5/30/2017	7.51								
6/1/2017		6.18	6.27	7.18	7.61				7.65
6/5/2017						7.07	7.31	6.87	
7/11/2017									
7/14/2017	7.39	6.68	6.56						
7/17/2017							7.3	6.65	7.73
7/18/2017				7.2	7.77				
7/19/2017						6.97			
8/23/2017									
10/10/2017									
10/11/2017	7.3	7	6.56	7.1			7.05	6.6	7.5
10/12/2017					7.65	6.95			
3/26/2018									
3/27/2018	7.28	6.41	6.52						
3/28/2018				7.19	7.69				7.39
3/29/2018						6.96	7.06	6.7	
6/13/2018				7.24			7.19	6.58	
6/14/2018	7.22	6.61			7.7	6.92			7.35
6/15/2018			6.5						
10/17/2018	7.37								
10/18/2018		6.67							
10/19/2018			6.38		7.57				
10/22/2018				6.93		6.81	7.11	6.61	7.25
2/27/2019	7.38	6.58		7.26					
3/1/2019			6.7			6.9	7.16	6.57	7.5
4/2/2019	7.22	6.48							
4/3/2019			6.58	7.14	7.69	6.77	7	6.57	
4/4/2019									7.38
5/2/2019						6.92			
9/26/2019	7.32	6.99	6.55	7.1					

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	7.39
2/7/2017	7.35
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	7.46
4/17/2017	7.19
4/19/2017	
4/20/2017	
5/22/2017	7.4
5/30/2017	
6/1/2017	
6/5/2017	7.69
7/11/2017	7.29
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	7.37
10/10/2017	7.34
10/11/2017	
10/12/2017	
3/26/2018	7.33
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	7.35
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	7.35
2/27/2019	
3/1/2019	7.32
4/2/2019	7.22
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

9/27/2019	
9/30/2019	7.2
2/24/2020	
2/25/2020	
2/26/2020	7.28
3/19/2020	
3/20/2020	
3/23/2020	7.28
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	7.34
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	7.44
3/24/2021	
3/25/2021	7.21
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	7.28
8/19/2021	7.2
8/20/2021	
8/23/2021	
11/1/2021	7.3
2/11/2022	
2/14/2022	7.29
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	7.21
8/2/2022	
10/21/2022	

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					7.44				
10/18/2018	7.16								
10/19/2018			7.42						
10/22/2018		7.22		7.15					
3/4/2019			7.36						
4/2/2019					6.48				
4/4/2019	7.19	7.28	7.32	7.2					
5/2/2019							7.32		
5/3/2019		7.18				7.51			
9/24/2019	7.29		7.32						
9/26/2019		7.31		7.09					
9/27/2019					7.09				
11/15/2019		7.19							
2/25/2020				7.06		7.21			
2/26/2020	7.09				6.33				
2/27/2020		7.14	7.02				6.49	6.78	
2/28/2020									7.31
3/23/2020	6.72				6.56				
3/24/2020		7.23	7.14			7.29	6.66	6.67	
3/25/2020				7.03					7.27
5/4/2020									
9/2/2020							6.49		
9/25/2020		6.82		7.03		7.25			
9/28/2020	7.32		7.24		7.29				
9/29/2020								6.73	7.15
2/19/2021			7.26						
2/22/2021	7.21			7.16		7.49		6.87	7.08
2/23/2021		7.08							
3/8/2021					7.12				
3/9/2021							6.97		
3/25/2021					7.27				
3/26/2021				7.02		7.14			
3/29/2021	6.97						7.02		
3/30/2021		7.07	7.19						7.04
3/31/2021								6.8	
8/19/2021							6.42		
8/20/2021	7.32			6.86		6.98			
8/23/2021					7.34				
8/24/2021			7.2					6.85	7.03
8/25/2021		6.93							
11/1/2021							6.55		
2/14/2022					7.23		6.33		
2/15/2022									
2/16/2022	7.4	7.14	7.27					6.83	7.24
2/17/2022				7.02		7.46			
7/28/2022	7.19		6.96	6.98		7.34			7.03
7/29/2022		7.15			7.19				
8/2/2022							6.17	6.42	

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
3/4/2019	
4/2/2019	
4/4/2019	
5/2/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	7.46
9/2/2020	7.45
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	7.48
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	7.44
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	7.11
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	7.2
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	7.07
8/2/2022	

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									7.55
6/8/2016								7	
8/10/2016							7.02		7.66
8/11/2016									
10/5/2016							6.96		7.37
12/2/2016									7.67
12/5/2016							7.16		
2/14/2017									7.54
2/15/2017							7.05		
4/14/2017									7.63
4/17/2017							7.17		
5/26/2017									7.76
6/1/2017							7.17		
7/10/2017									7.7
7/11/2017									
7/13/2017							7.11		
10/10/2017									7.72
10/11/2017							7.19		
3/26/2018							7		7.71
3/27/2018									
6/12/2018							7		7.71
10/16/2018									7.74
10/17/2018									
10/18/2018							6.84		
2/25/2019									7.75
2/27/2019							7.05		
4/1/2019							6.99		7.57
9/24/2019							6.92		7.53
2/19/2020									7.68
2/20/2020									
2/21/2020							7.12		
3/18/2020									7.73
3/19/2020							7.1		
5/4/2020		7.27	7.61						
5/11/2020	7.61								
5/20/2020	7.63	7.2							
9/3/2020	7.37	7.21	7.6						
9/23/2020									7.67
9/24/2020									
9/25/2020								7.01	
1/28/2021						6.81	7.01		
2/16/2021									7.69
2/17/2021									
2/18/2021			7.64					6.88	
2/22/2021	7.5								
2/23/2021						6.71	6.95		
3/8/2021		7.08							
3/24/2021									7.66
3/29/2021		7.02							
3/30/2021						6.64	6.82	7.05	
3/31/2021			7.4						

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
4/1/2021	7.44								
4/19/2021				7.45	7.54				
7/20/2021		6.79							
8/18/2021			7.48		7.17				7.7
8/19/2021								6.89	
8/20/2021	7.3								
8/23/2021		7.05				6.61	6.84		
8/24/2021				7.33					
2/9/2022			7.61		7.6				
2/10/2022									7.59
2/11/2022								7.05	
2/14/2022						7.11	7.57		
2/15/2022		7.28							
2/17/2022	7.3			7.57					
7/26/2022			7.59		7.55				7.63
7/28/2022	7.31						7.62	6.96	
8/1/2022		7.16		7.3		6.96			

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	7.46
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	7.51
10/5/2016	7.37
12/2/2016	
12/5/2016	7.42
2/14/2017	
2/15/2017	7.32
4/14/2017	
4/17/2017	7.23
5/26/2017	7.29
6/1/2017	
7/10/2017	
7/11/2017	7.34
7/13/2017	
10/10/2017	7.28
10/11/2017	
3/26/2018	
3/27/2018	7.38
6/12/2018	7.51
10/16/2018	
10/17/2018	7.34
10/18/2018	
2/25/2019	
2/27/2019	
4/1/2019	7.03
9/24/2019	7.14
2/19/2020	
2/20/2020	7.37
2/21/2020	
3/18/2020	
3/19/2020	7.35
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	7.34
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	7.43
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	7.26
3/29/2021	
3/30/2021	
3/31/2021	

Time Series

Constituent: pH (s.u.) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	7.49
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	7.28
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	7.33
7/28/2022	
8/1/2022	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.005					<0.005			
6/7/2016							<0.005	<0.005	
8/9/2016	<0.005								
8/10/2016						<0.005			
8/11/2016									
8/12/2016								<0.005	
8/16/2016							<0.005		
8/22/2016		<0.005							
10/3/2016	<0.005								
10/4/2016		<0.005				<0.005			
10/6/2016								<0.005	
10/7/2016							<0.005		
11/29/2016	<0.005								
12/1/2016		<0.005				<0.005			
12/5/2016								<0.005	
12/6/2016							<0.005		
1/10/2017		<0.005							
2/13/2017	<0.005								
2/14/2017		<0.005				<0.005			
2/15/2017								<0.005	
2/16/2017							<0.005		
4/13/2017	<0.005					<0.005			
4/14/2017		<0.005							
4/18/2017							<0.005	<0.005	
5/25/2017	<0.005	<0.005				<0.005			
5/30/2017									
6/2/2017							<0.005	<0.005	
7/7/2017	<0.005					<0.005			
7/10/2017		<0.005							
7/12/2017							<0.005		
7/13/2017								<0.005	
7/14/2017									
3/26/2018	<0.005	<0.005							
3/27/2018							<0.005		
3/28/2018								<0.005	
2/25/2019	<0.005								
2/27/2019		<0.005							
2/28/2019							<0.005	<0.005	
4/1/2019	0.00011 (J)	<0.005							0.0004 (J)
4/2/2019						0.00031 (J)	<0.005		
4/3/2019			0.00013 (J)						
9/23/2019	<0.005	<0.005				<0.005			
9/25/2019							<0.005	<0.005	
9/26/2019									
9/27/2019			<0.005						
2/18/2020	<0.005					<0.005			
2/19/2020		<0.005							
2/20/2020							<0.005		
2/21/2020			<0.005						
2/24/2020								<0.005	
3/18/2020	<0.005	<0.005							
3/19/2020						<0.005		<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			<0.005						
3/23/2020							<0.005		
5/22/2020				0.0013 (J)					0.0014 (J)
5/25/2020					<0.005				
6/23/2020				<0.005	<0.005				<0.005
7/28/2020				<0.005	<0.005				<0.005
9/2/2020				<0.005					<0.005
9/3/2020					<0.005				
9/23/2020	<0.005	<0.005				<0.005			
9/24/2020							<0.005		
9/25/2020			<0.005					<0.005	
10/1/2020				0.0018 (J)	<0.005				<0.005
11/10/2020				<0.005	<0.005				<0.005
12/15/2020				0.0018	<0.005				<0.005
1/20/2021				<0.005	<0.005				<0.005
2/16/2021	<0.005	<0.005							
2/17/2021				<0.005	<0.005				
2/18/2021						<0.005	<0.005		<0.005
2/19/2021			<0.005					<0.005	
3/23/2021		<0.005							
3/24/2021								<0.005	<0.005
3/25/2021				0.002 (J)	<0.005				
3/26/2021	<0.005								
3/30/2021							<0.005		
3/31/2021						0.0032 (J)			
4/1/2021			0.004 (J)						
8/16/2021	<0.005	<0.005		0.002 (J)	<0.005	<0.005			
8/18/2021							<0.005	<0.005	<0.005
8/25/2021			<0.005						
2/9/2022	<0.005			0.0021 (J)	<0.005	<0.005			<0.005
2/10/2022		<0.005							
2/11/2022							<0.005	<0.005	
2/16/2022			<0.005						
7/26/2022	<0.005	<0.005		0.0021 (J)	<0.005	<0.005			<0.005
7/27/2022								<0.005	
7/28/2022							<0.005		
8/3/2022			<0.005						

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16	
6/6/2016	
6/7/2016	<0.005
8/9/2016	
8/10/2016	
8/11/2016	<0.005
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	<0.005
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	<0.005
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0012 (J)
4/13/2017	
4/14/2017	
4/18/2017	<0.005
5/25/2017	
5/30/2017	<0.005
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	<0.005
3/26/2018	
3/27/2018	<0.005
3/28/2018	
2/25/2019	<0.005
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0006 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	<0.005
9/27/2019	
2/18/2020	
2/19/2020	
2/20/2020	0.0026 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.0019 (J)

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.003 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.0017 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.0017 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	<0.005
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	<0.005
2/16/2022	
7/26/2022	
7/27/2022	0.0018 (J)
7/28/2022	
8/3/2022	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	0.0004 (J)								
6/8/2016		<0.005	0.00043 (J)	<0.005	<0.005	<0.005			<0.005
6/9/2016							<0.005	0.00099 (J)	
8/11/2016	<0.005								
8/12/2016		<0.005	<0.005	<0.005					
8/15/2016									<0.005
8/18/2016					<0.005	<0.005	<0.005	0.0023 (J)	
10/7/2016	<0.005	<0.005	<0.005						
10/10/2016				<0.005	0.001 (J)	<0.005	<0.005	0.004 (J)	<0.005
12/6/2016	<0.005	<0.005							
12/7/2016			<0.005	0.0037 (J)			0.0176	0.0302	
12/8/2016					<0.005	0.012			<0.005
1/23/2017									
2/7/2017									
2/16/2017	<0.005	<0.005	<0.005						
2/17/2017				<0.005	<0.005	<0.005			
2/20/2017							<0.005	0.0044 (J)	<0.005
3/27/2017									
4/17/2017									
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	0.0046 (J)	
4/20/2017						<0.005			<0.005
5/22/2017									
5/30/2017	<0.005								
6/1/2017		<0.005	<0.005	<0.005	<0.005				<0.005
6/5/2017						0.0018 (J)	<0.005	0.0033 (J)	
7/11/2017									
7/14/2017	<0.005	<0.005	<0.005						
7/17/2017							<0.005	0.0052 (J)	<0.005
7/18/2017				<0.005	<0.005				
7/19/2017						<0.005			
8/23/2017									
3/26/2018									
3/27/2018	<0.005	<0.005	<0.005						
3/28/2018				<0.005	<0.005				<0.005
3/29/2018						<0.005	<0.005	<0.005	
2/27/2019	<0.005	<0.005		<0.005					
3/1/2019			<0.005			<0.005	<0.005	<0.005	<0.005
4/2/2019	0.00077 (J)	0.001 (J)							
4/3/2019			0.00058 (J)	<0.005	0.00012 (J)	<0.005	<0.005	0.0038 (J)	
4/4/2019									<0.005
9/26/2019	<0.005	<0.005	<0.005	<0.005					
9/27/2019						<0.005	<0.005		
9/30/2019					<0.005			0.0065 (J)	<0.005
2/24/2020	0.0013 (J)	<0.005	0.0013 (J)	<0.005					
2/25/2020						<0.005	0.002 (J)		
2/26/2020						<0.005		0.0077 (J)	<0.005
3/19/2020	0.0022 (J)								
3/20/2020		<0.005	<0.005		<0.005	<0.005			
3/23/2020				<0.005			<0.005		
3/24/2020									<0.005
3/25/2020								0.0067 (J)	
9/24/2020	<0.005	<0.005			<0.005	0.0026 (J)	<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
9/25/2020								0.01	
9/28/2020			<0.005	<0.005					<0.005
2/18/2021	<0.005	<0.005	<0.005	<0.005					
2/19/2021					<0.005	<0.005	<0.005	0.0065	
2/23/2021									<0.005
3/8/2021									
3/24/2021	<0.005	<0.005							
3/25/2021									
3/26/2021			<0.005				<0.005	<0.005	<0.005
3/29/2021				<0.005	<0.005	<0.005			
8/19/2021	<0.005	<0.005							<0.005
8/20/2021			<0.005	<0.005	<0.005				
8/23/2021						<0.005	<0.005	0.0045 (J)	
2/11/2022	<0.005								
2/14/2022							<0.005		
2/15/2022						<0.005		0.0055	
2/16/2022		<0.005	<0.005	<0.005	<0.005				<0.005
7/27/2022	<0.005	<0.005	<0.005	<0.005					<0.005
7/28/2022					<0.005				
8/1/2022							<0.005		
8/2/2022						<0.005		0.0027 (J)	
10/21/2022								0.0045 (J)	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.015
2/7/2017	0.0114
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0092 (J)
4/17/2017	0.0082 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0094 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0118
7/11/2017	0.012
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0097 (J)
3/26/2018	<0.005
3/27/2018	
3/28/2018	
3/29/2018	
2/27/2019	
3/1/2019	0.01 (J)
4/2/2019	0.0092 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.0033 (J)
9/30/2019	
2/24/2020	
2/25/2020	
2/26/2020	<0.005
3/19/2020	
3/20/2020	
3/23/2020	0.0041 (J)
3/24/2020	
3/25/2020	
9/24/2020	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
9/25/2020	0.0035 (J)
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	0.0048 (J)
3/24/2021	
3/25/2021	0.0021 (J)
3/26/2021	
3/29/2021	
8/19/2021	0.0052
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	0.0084
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	0.0074
8/2/2022	
10/21/2022	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019					0.014				
4/4/2019	8E-05 (J)		0.0001 (J)	<0.005					
4/5/2019		0.00015 (J)							
9/24/2019	<0.005		<0.005						
9/26/2019		<0.005		<0.005					
9/27/2019					0.0071 (J)				
2/25/2020				<0.005		<0.005			
2/26/2020	<0.005				0.0029 (J)				
2/27/2020		<0.005	<0.005				<0.005	<0.005	
2/28/2020									0.0018 (J)
3/23/2020	<0.005				0.0033 (J)				
3/24/2020		<0.005	<0.005			<0.005	<0.005	<0.005	
3/25/2020				<0.005					0.0039 (J)
9/2/2020							0.003 (J)		
9/25/2020		<0.005		<0.005		<0.005			
9/28/2020	<0.005		<0.005		0.0076 (J)				
9/29/2020								0.002 (J)	0.005 (J)
2/19/2021			<0.005						
2/22/2021	<0.005			<0.005		<0.005		<0.005	0.0094
2/23/2021		<0.005							
3/8/2021					0.011				
3/9/2021							0.005		
3/25/2021					0.012				
3/26/2021				<0.005		<0.005			
3/29/2021	<0.005						<0.005		
3/30/2021		<0.005	<0.005						0.0098
3/31/2021								0.002 (J)	
8/19/2021							<0.005		
8/20/2021	<0.005			<0.005		<0.005			
8/23/2021					0.0086				
8/24/2021			<0.005					<0.005	0.0096
8/25/2021		<0.005							
2/14/2022					0.011		<0.005		
2/15/2022									
2/16/2022	<0.005	<0.005	<0.005					<0.005	0.0084
2/17/2022				<0.005		<0.005			
7/28/2022	<0.005		<0.005	<0.005		<0.005			0.007
7/29/2022		<0.005			0.011				
8/2/2022							<0.005	<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	0.0016 (J)
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.005
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	0.0016 (J)
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.005
8/25/2021	
2/14/2022	
2/15/2022	<0.005
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.005
8/2/2022	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									4.8E-05 (J)
6/8/2016								<0.005	
8/10/2016									<0.005
8/11/2016								<0.005	
10/4/2016									<0.005
10/5/2016									
10/6/2016								<0.005	
12/2/2016									<0.005
12/5/2016									
12/6/2016								<0.005	
2/14/2017									<0.005
2/15/2017								<0.005	
4/14/2017									<0.005
4/17/2017									
4/18/2017								<0.005	
5/26/2017									<0.005
6/2/2017								<0.005	
7/10/2017									<0.005
7/11/2017									
7/14/2017								<0.005	
3/26/2018									<0.005
3/27/2018								<0.005	
2/25/2019									<0.005
2/28/2019								<0.005	
4/1/2019									0.00015 (J)
4/2/2019								<0.005	
9/24/2019								<0.005	<0.005
2/19/2020									<0.005
2/20/2020									
2/21/2020								<0.005	
3/18/2020									<0.005
3/19/2020								<0.005	
9/3/2020	0.0022 (J)	0.0028 (J)	<0.005						
9/23/2020									<0.005
9/24/2020									
9/25/2020								<0.005	
1/28/2021						0.014	<0.005		
2/16/2021									<0.005
2/17/2021									
2/18/2021			<0.005					<0.005	
2/22/2021	<0.005								
2/23/2021						0.013	0.0016 (J)		
3/8/2021		<0.005							
3/24/2021									<0.005
3/29/2021		<0.005							
3/30/2021						0.01 (J)	<0.005	<0.005	
3/31/2021			<0.005						
4/1/2021	0.0027 (J)								
4/19/2021				<0.005	<0.005				
8/18/2021			<0.005		<0.005				<0.005
8/19/2021								<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/20/2021	<0.005								
8/23/2021		<0.005				0.013	<0.005		
8/24/2021				<0.005					
2/9/2022			<0.005		<0.005				
2/10/2022									<0.005
2/11/2022								<0.005	
2/14/2022						0.0042 (J)	0.0018 (J)		
2/15/2022		<0.005							
2/17/2022	<0.005			<0.005					
7/26/2022			<0.005		<0.005				<0.005
7/28/2022	<0.005						<0.005	<0.005	
8/1/2022		<0.005		<0.005		0.0036 (J)			

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.00031 (J)
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	0.001 (J)
10/4/2016	
10/5/2016	0.0017 (J)
10/6/2016	
12/2/2016	
12/5/2016	<0.005
12/6/2016	
2/14/2017	
2/15/2017	<0.005
4/14/2017	
4/17/2017	<0.005
4/18/2017	
5/26/2017	0.0014 (J)
6/2/2017	
7/10/2017	
7/11/2017	<0.005
7/14/2017	
3/26/2018	
3/27/2018	<0.005
2/25/2019	
2/28/2019	
4/1/2019	0.0004 (J)
4/2/2019	
9/24/2019	<0.005
2/19/2020	
2/20/2020	<0.005
2/21/2020	
3/18/2020	
3/19/2020	0.0015 (J)
9/3/2020	
9/23/2020	
9/24/2020	<0.005
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.005
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.005
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	0.0014 (J)
8/19/2021	

Time Series

Constituent: Selenium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Date	Concentration (mg/L)
8/20/2021	BGWC-9
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.005
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	0.0015 (J)
7/28/2022	
8/1/2022	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	8					26			
6/7/2016							99	190	
8/9/2016	6.5								
8/10/2016						22			
8/11/2016									
8/12/2016								180	
8/16/2016							110		
8/22/2016		4.2							
10/3/2016	5.7								
10/4/2016		6.4				20			
10/6/2016								200	
10/7/2016							110		
11/29/2016	5.2								
12/1/2016		7.8				20			
12/5/2016								130	
12/6/2016							110		
1/10/2017		4.5							
2/13/2017	6.4								
2/14/2017		5.1				20			
2/15/2017								190	
2/16/2017							110		
4/13/2017	4.9					21			
4/14/2017		4.4							
4/18/2017							110	220	
5/25/2017	5.7	4.2				22			
5/30/2017									
6/2/2017							110	250	
7/7/2017	6.3					25			
7/10/2017		3.5							
7/12/2017							110		
7/13/2017								250	
7/14/2017									
10/9/2017	6.1					25			
10/10/2017		3.3						210	
10/11/2017							110		
6/12/2018	8.3	6.8							
6/14/2018							110	275	
10/16/2018	8.9	7.6				32.4			
10/17/2018								336	
10/18/2018							122		
4/1/2019	10.8	5.2						239	
4/2/2019						29.8	105		
4/3/2019			26.2						
5/2/2019	11.2								
9/23/2019	9	6.6				27.5			
9/25/2019							93.7	205	
9/26/2019									
9/27/2019			200 (o)						
2/18/2020						25.7			
2/19/2020		1.6							
2/21/2020			23.5						
3/18/2020	11.7	3.7							

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/19/2020						28		255	
3/20/2020			26.1						
3/23/2020							95.6		
5/22/2020				53.5					92.6
5/25/2020					43.3				
6/23/2020				64.5	59.7				88.7
7/28/2020				65.7	15.8				300
9/2/2020				70.2					360
9/3/2020					24.4				
9/23/2020	12.9	5.3				24.6			
9/24/2020							98.6		
9/25/2020			22.6					320	
10/1/2020				70.2	26.6				382
11/10/2020				68.9	24.1				354
12/15/2020				78	28.3				406
1/20/2021				73.4	26.1				299
3/23/2021		4.6							
3/24/2021								301	115
3/25/2021				74.5	22				
3/26/2021	12.8								
3/30/2021							104		
3/31/2021						21.9			
4/1/2021			24.6						
8/16/2021	12.7	4.8		74.5	6.7	23.4			
8/18/2021							97.9	326	375
8/25/2021			25						
2/9/2022	13.5			72.7	19.1	16.7			130
2/10/2022		1.9							
2/11/2022							86.1	343	
2/16/2022			22.8						
7/26/2022	13.2	3.6		74.9	20.8	20.7			486
7/27/2022								419	
7/28/2022							105		
8/3/2022			4.6						

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	240
8/9/2016	
8/10/2016	
8/11/2016	250
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	260
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	280
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	380
4/13/2017	
4/14/2017	
4/18/2017	290
5/25/2017	
5/30/2017	260
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	260
10/9/2017	
10/10/2017	
10/11/2017	270
6/12/2018	246
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	276
4/1/2019	
4/2/2019	272
4/3/2019	
5/2/2019	
9/23/2019	
9/25/2019	
9/26/2019	288
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
3/19/2020	311
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	338
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	317
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	297
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	358
2/16/2022	
7/26/2022	
7/27/2022	496
7/28/2022	
8/3/2022	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	120								
6/8/2016		120	110	530	75	660			10
6/9/2016							510	730	
8/11/2016	110								
8/12/2016		81	110	530					
8/15/2016									10
8/18/2016					66	730	480	580	
10/7/2016	150	140	150						
10/10/2016				600	57	650	460	520	10
12/6/2016	130	160							
12/7/2016			97	580			490	370	
12/8/2016					68	660			13
1/23/2017									
2/7/2017									
2/16/2017	120	92	130						
2/17/2017				710	57	740			
2/20/2017							520	610	24
3/27/2017									
4/17/2017									
4/19/2017	110	80	140	610	52		490	600	
4/20/2017						990			26
5/22/2017									
5/30/2017	110								
6/1/2017		73	70	550	55				29
6/5/2017						700	480	700	
7/11/2017									
7/14/2017	110	78	110						
7/17/2017							510	670	25
7/18/2017				590	50				
7/19/2017						720			
8/23/2017									
10/10/2017									
10/11/2017	120	83	93	550			510	510	12
10/12/2017					48	780			
6/13/2018				541			586	689	
6/14/2018	106	74.6			48.1	738			10
6/15/2018			78.3						
10/17/2018	118								
10/18/2018		89.3							
10/19/2018			114		57.2				
10/22/2018				604		846	590	723	8.1
4/2/2019	86.9	70.1							
4/3/2019			90.6	593	61.9	720	603	648	
4/4/2019									11.4
5/2/2019						827			
9/26/2019	219	114	130	498					
9/27/2019						905	721		
9/30/2019					54.5			758	10.7
2/25/2020						472			
2/26/2020									
3/19/2020	90.5								
3/20/2020		75.9	76.9		57.8	610			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
3/23/2020				494			612		
3/24/2020									18.8
3/25/2020								603	
9/24/2020	156	69.9			57.8	864	676		
9/25/2020								613	
9/28/2020			70.3	578					8.8
3/24/2021	93.7	67.3							
3/25/2021									
3/26/2021			66.8				679	515	21.3
3/29/2021				504	55.2	772			
7/19/2021						506	335	194	
7/20/2021									
8/19/2021	91.7	56.4							10.2
8/20/2021			47.5	550	54.6				
8/23/2021						848	628	527	
11/1/2021						690	410	225	
2/11/2022	88.7								
2/14/2022							622		
2/15/2022						789		473	
2/16/2022		61.5	79.6	555	48.7				13.7
7/27/2022	118	55.5	82.7	617					12.6
7/28/2022					55.3				
8/1/2022							528		
8/2/2022						762		52.8	
10/21/2022								389 (R)	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	410
2/7/2017	410
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	410
4/17/2017	400
4/19/2017	
4/20/2017	
5/22/2017	460
5/30/2017	
6/1/2017	
6/5/2017	440
7/11/2017	420
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	390
10/10/2017	420
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	174
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	204
4/2/2019	153
4/3/2019	
4/4/2019	
5/2/2019	
9/26/2019	
9/27/2019	51.7
9/30/2019	
2/25/2020	
2/26/2020	42.6
3/19/2020	
3/20/2020	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
3/23/2020	55.7
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	53.6
9/28/2020	
3/24/2021	
3/25/2021	28.1
3/26/2021	
3/29/2021	
7/19/2021	
7/20/2021	37.2
8/19/2021	58.2
8/20/2021	
8/23/2021	
11/1/2021	65.5
2/11/2022	
2/14/2022	74.4
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	63.3
8/2/2022	
10/21/2022	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					277				
10/18/2018	199								
10/19/2018			106						
10/22/2018		350		626					
4/2/2019					192				
4/4/2019	105		88	643					
4/5/2019		312							
5/3/2019		304							
9/24/2019	97.2		80.7						
9/26/2019		336		517					
9/27/2019					191				
11/15/2019		413							
12/13/2019								651	
12/16/2019									60.4
2/25/2020				424		197			
2/26/2020					90.4				
2/27/2020							228		
3/23/2020	99.6				98.7				
3/24/2020		232	95.5			168	275	162	
3/25/2020				272					112
5/4/2020									
9/2/2020							188		
9/25/2020		393		394		175			
9/28/2020	115		115		135				
9/29/2020								619	130
3/25/2021					137				
3/26/2021				647		150			
3/29/2021	35.9						136		
3/30/2021		368	127						144
3/31/2021								314	
8/19/2021							90.7		
8/20/2021	121			452		130			
8/23/2021					141				
8/24/2021			132					505	138
8/25/2021		285							
11/1/2021							110		
2/14/2022					122		139		
2/15/2022									
2/16/2022	118	265	129					403	125
2/17/2022				551		132			
7/28/2022	131		158	600		134			132
7/29/2022		298			138				
8/2/2022							140	484	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
5/3/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	234
9/2/2020	224
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	262
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	271
8/25/2021	
11/1/2021	
2/14/2022	
2/15/2022	278
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	343
8/2/2022	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									26
6/8/2016								410	
8/10/2016									29
8/11/2016								460	
10/4/2016									40
10/5/2016									
10/6/2016								440	
12/2/2016									37
12/5/2016									
12/6/2016								470	
2/14/2017									45
2/15/2017								510	
4/14/2017									27
4/17/2017									
4/18/2017								450	
5/26/2017									34
6/2/2017								470	
7/10/2017									28
7/11/2017									
7/14/2017								230	
10/10/2017									30
10/11/2017								480	
6/12/2018									35.2
6/13/2018								419	
10/16/2018									53
10/17/2018									
10/18/2018								438	
4/1/2019									30.5
4/2/2019								334	
9/24/2019								266	36.5
3/18/2020									34.3
3/19/2020								287	
5/4/2020		333	37.2						
5/11/2020	124								
5/20/2020	118	342							
9/3/2020	141	358	31						
9/23/2020									33.5
9/24/2020									
9/25/2020								298	
1/28/2021						562	308		
3/24/2021									24.2
3/29/2021		301							
3/30/2021						636	347	290	
3/31/2021			42.9						
4/1/2021	115								
4/19/2021				223	26.7				
7/20/2021		262							
8/18/2021			35		23.3				34
8/19/2021								237	
8/20/2021	151								
8/23/2021		328				545	277		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
8/24/2021				235					
2/9/2022			48.4		79.4				
2/10/2022									27.2
2/11/2022								225	
2/14/2022						114	64.1		
2/15/2022		323							
2/17/2022	122			209					
7/26/2022			38.1		112				31.6
7/28/2022	136						50.1	268	
8/1/2022		316		204		94.4			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	100
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	110
10/4/2016	
10/5/2016	120
10/6/2016	
12/2/2016	
12/5/2016	130
12/6/2016	
2/14/2017	
2/15/2017	120
4/14/2017	
4/17/2017	110
4/18/2017	
5/26/2017	110
6/2/2017	
7/10/2017	
7/11/2017	110
7/14/2017	
10/10/2017	110
10/11/2017	
6/12/2018	80.6
6/13/2018	
10/16/2018	
10/17/2018	117
10/18/2018	
4/1/2019	81.4
4/2/2019	
9/24/2019	89
3/18/2020	
3/19/2020	74.3
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	84.8
9/25/2020	
1/28/2021	
3/24/2021	70.5
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
7/20/2021	
8/18/2021	71.7
8/19/2021	
8/20/2021	
8/23/2021	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

8/24/2021	
2/9/2022	
2/10/2022	70
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	88
7/28/2022	
8/1/2022	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	<0.001					<0.001			
6/7/2016							<0.001	<0.001	
8/9/2016	0.0001 (J)								
8/10/2016						7E-05 (J)			
8/11/2016									
8/12/2016								9E-05 (J)	
8/16/2016							<0.001		
8/22/2016		<0.001							
10/3/2016	<0.001								
10/4/2016		<0.001				<0.001			
10/6/2016								<0.001	
10/7/2016							<0.001		
11/29/2016	<0.001								
12/1/2016		<0.001				<0.001			
12/5/2016								<0.001	
12/6/2016							<0.001		
1/10/2017		<0.001							
2/13/2017	<0.001								
2/14/2017		<0.001				<0.001			
2/15/2017								<0.001	
2/16/2017							<0.001		
4/13/2017	9E-05 (J)					0.0001 (J)			
4/14/2017		<0.001							
4/18/2017							<0.001	9E-05 (J)	
5/25/2017	0.0001 (J)	<0.001				6E-05 (J)			
5/30/2017									
6/2/2017							<0.001	<0.001	
7/7/2017	9E-05 (J)					7E-05 (J)			
7/10/2017		<0.001							
7/12/2017							<0.001		
7/13/2017								8E-05 (J)	
7/14/2017									
3/26/2018	<0.001	<0.001							
3/27/2018							<0.001		
3/28/2018								<0.001	
6/12/2018	<0.001	<0.001							
6/14/2018							<0.001	<0.001	
10/16/2018	<0.001	<0.001				<0.001			
10/17/2018								<0.001	
10/18/2018							<0.001		
2/25/2019	<0.001								
2/27/2019		<0.001							
2/28/2019							<0.001	<0.001	
4/1/2019	0.00011 (J)	<0.001						<0.001	
4/2/2019						6.2E-05 (J)	<0.001		
4/3/2019			<0.001						
9/23/2019	0.00011 (J)	<0.001				6E-05 (J)			
9/25/2019							<0.001	6E-05 (J)	
9/26/2019									
9/27/2019			<0.001						
2/18/2020	0.00011 (J)					5.3E-05 (J)			
2/19/2020		<0.001							

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
2/20/2020							<0.001		
2/21/2020			<0.001						
2/24/2020								<0.001	
3/18/2020	0.00012 (J)	<0.001							
3/19/2020						6.1E-05 (J)		6.2E-05 (J)	
3/20/2020			<0.001						
3/23/2020							<0.001		
5/22/2020				8.8E-05 (J)					0.00016 (J)
5/25/2020					<0.001				
6/23/2020				<0.001	<0.001				0.00011 (J)
7/28/2020				<0.001	<0.001				0.00026 (J)
9/2/2020				<0.001					0.00035 (J)
9/3/2020					<0.001				
9/23/2020	<0.001	<0.001				<0.001			
9/24/2020							<0.001		
9/25/2020			<0.001					<0.001	
10/1/2020				<0.001	<0.001				0.0005 (J)
11/10/2020				<0.001	<0.001				0.00044 (J)
12/15/2020				<0.001	<0.001				0.00044
1/20/2021				<0.001	<0.001				0.00031 (J)
2/16/2021	0.0002 (J)	<0.001							
2/17/2021				<0.001	<0.001				
2/18/2021						<0.001	<0.001		0.00077 (J)
2/19/2021			<0.001					<0.001	
3/23/2021		<0.001							
3/24/2021								<0.001	0.00023 (J)
3/25/2021				<0.001	<0.001				
3/26/2021	0.00025 (J)								
3/30/2021							<0.001		
3/31/2021						0.00017 (J)			
4/1/2021			<0.001						
8/16/2021	0.00019 (J)	<0.001		<0.001	<0.001	<0.001			
8/18/2021							<0.001	<0.001	0.00039 (J)
8/25/2021			<0.001						
2/9/2022	<0.001			<0.001	<0.001	<0.001			0.00024 (J)
2/10/2022		<0.001							
2/11/2022							<0.001	<0.001	
2/16/2022			<0.001						
7/26/2022	0.00021 (J)	<0.001		<0.001	<0.001	<0.001			0.00047 (J)
7/27/2022								<0.001	
7/28/2022							<0.001		
8/3/2022			<0.001						

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
6/6/2016	
6/7/2016	0.0002 (J)
8/9/2016	
8/10/2016	
8/11/2016	0.0002 (J)
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	0.0002 (J)
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	0.0003 (J)
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	0.0003 (J)
4/13/2017	
4/14/2017	
4/18/2017	0.0002 (J)
5/25/2017	
5/30/2017	0.0002 (J)
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	0.0002 (J)
3/26/2018	
3/27/2018	0.00019 (J)
3/28/2018	
6/12/2018	0.0002 (J)
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	0.0002 (J)
2/25/2019	0.00023 (J)
2/27/2019	
2/28/2019	
4/1/2019	
4/2/2019	0.0002 (J)
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	0.00023 (J)
9/27/2019	
2/18/2020	
2/19/2020	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-16
2/20/2020	0.00028 (J)
2/21/2020	
2/24/2020	
3/18/2020	
3/19/2020	0.00022 (J)
3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	0.00024 (J)
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
2/16/2021	
2/17/2021	
2/18/2021	0.00023 (J)
2/19/2021	
3/23/2021	
3/24/2021	0.00019 (J)
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	0.00023 (J)
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	0.00024 (J)
2/16/2022	
7/26/2022	
7/27/2022	0.00025 (J)
7/28/2022	
8/3/2022	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	8.5E-05 (J)								
6/8/2016		<0.001	8.5E-05 (J)	<0.001	<0.001	0.00035 (J)			<0.001
6/9/2016							0.0001 (J)	0.00022 (J)	
8/11/2016	8E-05 (J)								
8/12/2016		6E-05 (J)	8E-05 (J)	<0.001					
8/15/2016									<0.001
8/18/2016					<0.001	0.0005 (J)	<0.001	<0.001	
10/7/2016	<0.001	<0.001	<0.001						
10/10/2016				<0.001	<0.001	0.0006 (J)	<0.001	0.0003 (J)	<0.001
12/6/2016	<0.001	<0.001							
12/7/2016			<0.001	<0.001			<0.001	<0.001	
12/8/2016					<0.001	0.0005 (J)			<0.001
1/23/2017									
2/7/2017									
2/16/2017	<0.001	<0.001	<0.001						
2/17/2017				<0.001	<0.001	0.0006 (J)			
2/20/2017							<0.001	0.0003 (J)	<0.001
3/27/2017									
4/17/2017									
4/19/2017	8E-05 (J)	<0.001	6E-05 (J)	<0.001	<0.001		<0.001	0.0004 (J)	
4/20/2017						0.0006 (J)			<0.001
5/22/2017									
5/30/2017	9E-05 (J)								
6/1/2017		<0.001	8E-05 (J)	<0.001	<0.001				<0.001
6/5/2017						0.0006 (J)	<0.001	0.0004 (J)	
7/11/2017									
7/14/2017	9E-05 (J)	<0.001	8E-05 (J)						
7/17/2017							<0.001	0.0004 (J)	<0.001
7/18/2017				<0.001	<0.001				
7/19/2017						0.0007 (J)			
8/23/2017									
3/26/2018									
3/27/2018	<0.001	<0.001	<0.001						
3/28/2018				<0.001	<0.001				<0.001
3/29/2018						0.00063 (J)	<0.001	0.00048 (J)	
6/13/2018				<0.001			<0.001	0.00053 (J)	
6/14/2018	<0.001	<0.001			<0.001	0.00069 (J)			<0.001
6/15/2018			<0.001						
10/17/2018	<0.001								
10/18/2018		<0.001							
10/19/2018			<0.001		<0.001				
10/22/2018				<0.001		0.00071 (J)	<0.001	0.00047 (J)	<0.001
2/27/2019	<0.001	<0.001		<0.001					
3/1/2019			<0.001			0.00074 (J)	<0.001	0.0007 (J)	<0.001
4/2/2019	7.5E-05 (J)	<0.001							
4/3/2019			<0.001	<0.001	<0.001	0.0007 (J)	<0.001	0.00064 (J)	
4/4/2019									<0.001
9/26/2019	0.00026 (J)	7.1E-05 (J)	8E-05 (J)	<0.001					
9/27/2019						0.00088 (J)	0.00018 (J)		
9/30/2019					<0.001			0.00069 (J)	<0.001
2/24/2020	5.9E-05 (J)	6.8E-05 (J)	<0.001	<0.001					
2/25/2020						0.00062 (J)	0.00015 (J)		

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
2/26/2020					<0.001			0.00073 (J)	<0.001
3/19/2020	6.1E-05 (J)								
3/20/2020		<0.001	<0.001		<0.001	0.00063 (J)			
3/23/2020				0.0002 (J)			0.00016 (J)		
3/24/2020									<0.001
3/25/2020								0.00066 (J)	
9/24/2020	0.00018 (J)	<0.001			<0.001	0.001	0.00038 (J)		
9/25/2020								0.00057 (J)	
9/28/2020			<0.001	<0.001					<0.001
2/18/2021	<0.001	<0.001	<0.001	<0.001					
2/19/2021					<0.001	0.00089 (J)	0.00039 (J)	0.0005 (J)	
2/23/2021									<0.001
3/8/2021									
3/24/2021	<0.001	<0.001							
3/25/2021									
3/26/2021			<0.001				0.00069 (J)	0.00057 (J)	<0.001
3/29/2021				<0.001	<0.001	0.0009 (J)			
8/19/2021	<0.001	<0.001							<0.001
8/20/2021			<0.001	0.00025 (J)	<0.001				
8/23/2021						0.00088 (J)	<0.001	0.00051 (J)	
2/11/2022	<0.001								
2/14/2022							<0.001		
2/15/2022						0.0011		0.00045 (J)	
2/16/2022		<0.001	0.00021 (J)	<0.001	<0.001				<0.001
7/27/2022	<0.001	<0.001	<0.001	<0.001					<0.001
7/28/2022					<0.001				
8/1/2022							<0.001		
8/2/2022						0.00098 (J)		<0.001	
10/21/2022								0.00032 (J)	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	0.0008 (J)
2/7/2017	0.0008 (J)
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	0.0006 (J)
4/17/2017	0.0007 (J)
4/19/2017	
4/20/2017	
5/22/2017	0.0008 (J)
5/30/2017	
6/1/2017	
6/5/2017	0.0007 (J)
7/11/2017	0.0007 (J)
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	0.0007 (J)
3/26/2018	0.00058 (J)
3/27/2018	
3/28/2018	
3/29/2018	
6/13/2018	
6/14/2018	
6/15/2018	0.00056 (J)
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	0.00034 (J)
2/27/2019	
3/1/2019	0.00024 (J)
4/2/2019	0.00024 (J)
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	0.00014 (J)
9/30/2019	
2/24/2020	
2/25/2020	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30
2/26/2020	8.5E-05 (J)
3/19/2020	
3/20/2020	
3/23/2020	9.1E-05 (J)
3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	<0.001
9/28/2020	
2/18/2021	
2/19/2021	
2/23/2021	
3/8/2021	<0.001
3/24/2021	
3/25/2021	<0.001
3/26/2021	
3/29/2021	
8/19/2021	0.00022 (J)
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	<0.001
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	<0.001
8/2/2022	
10/21/2022	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					0.00026 (J)				
10/18/2018	<0.001								
10/19/2018			<0.001						
10/22/2018		0.00014 (J)		<0.001					
4/2/2019					0.00022 (J)				
4/4/2019	<0.001		<0.001	<0.001					
4/5/2019		0.00046 (J)							
9/24/2019	<0.001		<0.001						
9/26/2019		0.00017 (J)		<0.001					
9/27/2019					0.00037 (J)				
2/25/2020				<0.001		<0.001			
2/26/2020	<0.001				0.00013 (J)				
2/27/2020		0.00013 (J)	8.9E-05 (J)				0.0027	0.00017 (J)	
2/28/2020									<0.001
3/23/2020	<0.001				0.00011 (J)				
3/24/2020		8.4E-05 (J)	<0.001			<0.001	5.6E-05 (J)	0.00013 (J)	
3/25/2020				6.8E-05 (J)					0.00014 (J)
9/2/2020							0.00042 (J)		
9/25/2020		0.00014 (J)		<0.001		<0.001			
9/28/2020	<0.001		<0.001		0.00019 (J)				
9/29/2020								0.00025 (J)	<0.001
2/19/2021			<0.001						
2/22/2021	<0.001			0.00016 (J)		<0.001		0.00021 (J)	<0.001
2/23/2021		0.00015 (J)							
3/8/2021					0.0002 (J)				
3/9/2021							<0.001		
3/25/2021					0.00019 (J)				
3/26/2021				<0.001		<0.001			
3/29/2021	<0.001						0.00018 (J)		
3/30/2021		0.00016 (J)	<0.001						<0.001
3/31/2021								0.00017 (J)	
8/19/2021							<0.001		
8/20/2021	<0.001			0.00026 (J)		<0.001			
8/23/2021					0.00024 (J)				
8/24/2021			<0.001					0.00027 (J)	<0.001
8/25/2021		<0.001							
2/14/2022					0.00022 (J)		<0.001		
2/15/2022									
2/16/2022	<0.001	<0.001	<0.001					<0.001	<0.001
2/17/2022				<0.001		<0.001			
7/28/2022	<0.001		<0.001	0.00022 (J)		<0.001			<0.001
7/29/2022		<0.001			0.00018 (J)				
8/2/2022							<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
2/25/2020	
2/26/2020	
2/27/2020	
2/28/2020	
3/23/2020	
3/24/2020	
3/25/2020	
9/2/2020	<0.001
9/25/2020	
9/28/2020	
9/29/2020	
2/19/2021	
2/22/2021	<0.001
2/23/2021	
3/8/2021	
3/9/2021	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	<0.001
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	<0.001
8/25/2021	
2/14/2022	
2/15/2022	<0.001
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	<0.001
8/2/2022	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									<0.001
6/8/2016								<0.001	
8/10/2016									<0.001
8/11/2016								<0.001	
10/4/2016									<0.001
10/5/2016									
10/6/2016								<0.001	
12/2/2016									<0.001
12/5/2016									
12/6/2016								<0.001	
2/14/2017									<0.001
2/15/2017								<0.001	
4/14/2017									<0.001
4/17/2017									
4/18/2017								<0.001	
5/26/2017									<0.001
6/2/2017								<0.001	
7/10/2017									<0.001
7/11/2017									
7/14/2017								<0.001	
3/26/2018									<0.001
3/27/2018								<0.001	
6/12/2018									<0.001
6/13/2018								<0.001	
10/16/2018									<0.001
10/17/2018									
10/18/2018								<0.001	
2/25/2019									<0.001
2/28/2019								<0.001	
4/1/2019									<0.001
4/2/2019								7E-05 (J)	
9/24/2019								8.7E-05 (J)	<0.001
2/19/2020									<0.001
2/20/2020									
2/21/2020								9.6E-05 (J)	
3/18/2020									<0.001
3/19/2020								0.00011 (J)	
9/3/2020	<0.001	0.0024	<0.001						
9/23/2020									<0.001
9/24/2020									
9/25/2020								<0.001	
1/28/2021						0.0002 (J)	0.00045 (J)		
2/16/2021									<0.001
2/17/2021									
2/18/2021			<0.001					<0.001	
2/22/2021	<0.001								
2/23/2021						<0.001	0.00023 (J)		
3/8/2021		0.0015							
3/24/2021									<0.001
3/29/2021		0.0016							
3/30/2021						0.0004 (J)	0.00024 (J)	0.00015 (J)	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
3/31/2021			<0.001						
4/1/2021	<0.001								
4/19/2021				<0.001	<0.001				
8/18/2021			<0.001		<0.001				<0.001
8/19/2021								0.00023 (J)	
8/20/2021	<0.001								
8/23/2021		0.0028				<0.001	0.00037 (J)		
8/24/2021				<0.001					
2/9/2022			<0.001		<0.001				
2/10/2022									<0.001
2/11/2022								0.0003 (J)	
2/14/2022						<0.001	<0.001		
2/15/2022		0.0034							
2/17/2022	<0.001			<0.001					
7/26/2022			<0.001		<0.001				<0.001
7/28/2022	<0.001						<0.001	0.00029 (J)	
8/1/2022		0.0028		<0.001		<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.001
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	<0.001
10/4/2016	
10/5/2016	<0.001
10/6/2016	
12/2/2016	
12/5/2016	<0.001
12/6/2016	
2/14/2017	
2/15/2017	<0.001
4/14/2017	
4/17/2017	<0.001
4/18/2017	
5/26/2017	<0.001
6/2/2017	
7/10/2017	
7/11/2017	<0.001
7/14/2017	
3/26/2018	
3/27/2018	<0.001
6/12/2018	<0.001
6/13/2018	
10/16/2018	
10/17/2018	<0.001
10/18/2018	
2/25/2019	
2/28/2019	
4/1/2019	6.5E-05 (J)
4/2/2019	
9/24/2019	<0.001
2/19/2020	
2/20/2020	0.00022 (J)
2/21/2020	
3/18/2020	
3/19/2020	0.00018 (J)
9/3/2020	
9/23/2020	
9/24/2020	<0.001
9/25/2020	
1/28/2021	
2/16/2021	
2/17/2021	<0.001
2/18/2021	
2/22/2021	
2/23/2021	
3/8/2021	
3/24/2021	<0.001
3/29/2021	
3/30/2021	

Time Series

Constituent: Thallium (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	<0.001
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	
2/9/2022	
2/10/2022	<0.001
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	<0.001
7/28/2022	
8/1/2022	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
6/6/2016	170					220			
6/7/2016							300	510	
8/9/2016	183								
8/10/2016						299			
8/11/2016									
8/12/2016								476	
8/16/2016							286		
8/22/2016		121							
10/3/2016	201								
10/4/2016		95				245			
10/6/2016								524	
10/7/2016							513		
11/29/2016	109								
12/1/2016		121				269			
12/5/2016								489	
12/6/2016							421		
1/10/2017		115							
2/13/2017	214								
2/14/2017		345 (o)				405			
2/15/2017								562	
2/16/2017							433		
4/13/2017	211					349			
4/14/2017		119							
4/18/2017							349	955	
5/25/2017	173	109				283			
5/30/2017									
6/2/2017							313	602	
7/7/2017	165					265			
7/10/2017		140							
7/12/2017							255		
7/13/2017								617	
7/14/2017									
10/9/2017	150					253			
10/10/2017		93						534	
10/11/2017							343		
6/12/2018	187	139							
6/14/2018							362	684	
10/16/2018	192	138				311			
10/17/2018								739	
10/18/2018							355		
4/1/2019	226	114						191	
4/2/2019						295	355		
4/3/2019			235						
9/23/2019	186	122				296			
9/25/2019							388	690	
9/26/2019									
9/27/2019			275						
2/18/2020						318			
2/19/2020		113							
2/21/2020			229						
3/18/2020	191	108							
3/19/2020						300		662	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWA-29 (bg)	BGWA-33 (bg)	BGWA-47D (bg)	BGWA-48D (bg)	BGWA-6	BGWC-10	BGWC-12	BGWC-14A
3/20/2020			229						
3/23/2020							355		
5/22/2020				357					454
5/25/2020					249				
6/23/2020				383	280				423
7/28/2020				410	264				768
9/2/2020				389					814
9/3/2020					303				
9/23/2020	237	114				296			
9/24/2020							356		
9/25/2020			233					740	
10/1/2020				384	301				824
11/10/2020				405	305				800
12/15/2020				385	289				876
1/20/2021				377	285				786
3/23/2021		108							
3/24/2021								752	445
3/25/2021				415	331				
3/26/2021	204								
3/30/2021							321		
3/31/2021						299			
4/1/2021			183						
8/16/2021	217	101		399	269	298			
8/18/2021							366	798	850
8/25/2021			208						
2/9/2022	229			403	290	304			468
2/10/2022		96							
2/11/2022							360	816	
2/16/2022			208						
7/26/2022	215	114		402	246	306			966
7/27/2022								952	
7/28/2022							338		
8/3/2022			287						

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

6/6/2016	
6/7/2016	580
8/9/2016	
8/10/2016	
8/11/2016	548
8/12/2016	
8/16/2016	
8/22/2016	
10/3/2016	
10/4/2016	
10/6/2016	
10/7/2016	617
11/29/2016	
12/1/2016	
12/5/2016	
12/6/2016	730
1/10/2017	
2/13/2017	
2/14/2017	
2/15/2017	
2/16/2017	685
4/13/2017	
4/14/2017	
4/18/2017	621
5/25/2017	
5/30/2017	601
6/2/2017	
7/7/2017	
7/10/2017	
7/12/2017	
7/13/2017	
7/14/2017	569
10/9/2017	
10/10/2017	
10/11/2017	588
6/12/2018	593
6/14/2018	
10/16/2018	
10/17/2018	
10/18/2018	578
4/1/2019	
4/2/2019	604
4/3/2019	
9/23/2019	
9/25/2019	
9/26/2019	688
9/27/2019	
2/18/2020	
2/19/2020	
2/21/2020	
3/18/2020	
3/19/2020	631

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-16

3/20/2020	
3/23/2020	
5/22/2020	
5/25/2020	
6/23/2020	
7/28/2020	
9/2/2020	
9/3/2020	
9/23/2020	
9/24/2020	732
9/25/2020	
10/1/2020	
11/10/2020	
12/15/2020	
1/20/2021	
3/23/2021	
3/24/2021	610
3/25/2021	
3/26/2021	
3/30/2021	
3/31/2021	
4/1/2021	
8/16/2021	
8/18/2021	658
8/25/2021	
2/9/2022	
2/10/2022	
2/11/2022	782
2/16/2022	
7/26/2022	
7/27/2022	944
7/28/2022	
8/3/2022	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25
6/7/2016	360								
6/8/2016		390	340	1000	260	2000			170
6/9/2016							1900	5200	
8/11/2016	340								
8/12/2016		310	326	1100					
8/15/2016									161
8/18/2016					239	1960	1600	4200	
10/7/2016	533	823	621						
10/10/2016				1110	239	2130	1640	3850	196
12/6/2016	413	560							
12/7/2016			269	1100			1770	2720	
12/8/2016					255	2200			209
1/23/2017									
2/7/2017									
2/16/2017	434	364	488						
2/17/2017				1160	236	2200			
2/20/2017							1720	4200	251
3/27/2017									
4/17/2017									
4/19/2017	415	337	396	1180	247		1800	4680	
4/20/2017						2330			324
5/22/2017									
5/30/2017	391								
6/1/2017		215	266	1130	185				177
6/5/2017						2530	2050	5660	
7/11/2017									
7/14/2017	391	281	325						
7/17/2017							1810	5080	238
7/18/2017				1160	219				
7/19/2017						2650			
8/23/2017									
10/10/2017									
10/11/2017	403	334	287	1050			1780	4920	199
10/12/2017					245	2500			
6/13/2018				1060			2020	4180	
6/14/2018	395	290			231	2380			225
6/15/2018			280						
10/17/2018	446								
10/18/2018		325							
10/19/2018			321		236				
10/22/2018				1150		2490	1880	4300	218
4/2/2019	321	258							
4/3/2019			259	1090	244	2180	1990	13 (J)	
4/4/2019									196
9/26/2019	550	470	428	1210					
9/27/2019						3260	2540		
9/30/2019					256			4430	220
2/25/2020						1930			
2/26/2020									
3/19/2020	324								
3/20/2020		255	243		253	2200			
3/23/2020				1220			2800		

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

6/7/2016	
6/8/2016	
6/9/2016	
8/11/2016	
8/12/2016	
8/15/2016	
8/18/2016	
10/7/2016	
10/10/2016	
12/6/2016	
12/7/2016	
12/8/2016	
1/23/2017	2060
2/7/2017	1860
2/16/2017	
2/17/2017	
2/20/2017	
3/27/2017	2440
4/17/2017	2180
4/19/2017	
4/20/2017	
5/22/2017	2470
5/30/2017	
6/1/2017	
6/5/2017	2780
7/11/2017	2580
7/14/2017	
7/17/2017	
7/18/2017	
7/19/2017	
8/23/2017	2400
10/10/2017	1990
10/11/2017	
10/12/2017	
6/13/2018	
6/14/2018	
6/15/2018	1190
10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	1070
4/2/2019	773
4/3/2019	
4/4/2019	
9/26/2019	
9/27/2019	629
9/30/2019	
2/25/2020	
2/26/2020	523
3/19/2020	
3/20/2020	
3/23/2020	613

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-30

3/24/2020	
3/25/2020	
9/24/2020	
9/25/2020	482
9/28/2020	
3/24/2021	
3/25/2021	358
3/26/2021	
3/29/2021	
8/19/2021	682
8/20/2021	
8/23/2021	
2/11/2022	
2/14/2022	618
2/15/2022	
2/16/2022	
7/27/2022	
7/28/2022	
8/1/2022	582
8/2/2022	
10/21/2022	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018					1200				
10/18/2018	501								
10/19/2018			450						
10/22/2018		1140		1810					
4/2/2019					976				
4/4/2019	350		419	1930					
4/5/2019		1160							
9/24/2019	419		442						
9/26/2019		1410		2240					
9/27/2019					1030				
11/15/2019		1540							
12/13/2019								2550	
12/16/2019									753
2/25/2020				1820		840			
2/26/2020					650				
2/27/2020							1230		
3/23/2020	395				714				
3/24/2020		995	451			628	1610	787	
3/25/2020				1240					783
5/4/2020									
9/2/2020							982		
9/25/2020		1690		880		594			
9/28/2020	405		466		938				
9/29/2020								2520	908
3/25/2021					902				
3/26/2021				2220		496			
3/29/2021	352						702		
3/30/2021		1030	346						582
3/31/2021								1060	
8/19/2021							808		
8/20/2021	419			2040		530			
8/23/2021					1140				
8/24/2021			504					2420	604
8/25/2021		1340							
2/14/2022					848		926		
2/15/2022									
2/16/2022	428	1320	474					1760	776
2/17/2022				2850		570			
7/28/2022	473		540	2930		692			810
7/29/2022		1260			846				
8/2/2022							1060	2700	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-41D

10/17/2018	
10/18/2018	
10/19/2018	
10/22/2018	
4/2/2019	
4/4/2019	
4/5/2019	
9/24/2019	
9/26/2019	
9/27/2019	
11/15/2019	
12/13/2019	
12/16/2019	
2/25/2020	
2/26/2020	
2/27/2020	
3/23/2020	
3/24/2020	
3/25/2020	
5/4/2020	904
9/2/2020	829
9/25/2020	
9/28/2020	
9/29/2020	
3/25/2021	
3/26/2021	
3/29/2021	
3/30/2021	
3/31/2021	1010
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	1160
8/25/2021	
2/14/2022	
2/15/2022	1140
2/16/2022	
2/17/2022	
7/28/2022	
7/29/2022	1180
8/2/2022	

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/6/2016									
6/7/2016									200
6/8/2016								800	
8/10/2016									228
8/11/2016								852	
10/4/2016									186
10/5/2016									
10/6/2016								906	
12/2/2016									183
12/5/2016									
12/6/2016								976	
2/14/2017									367
2/15/2017								968	
4/14/2017									184
4/17/2017									
4/18/2017								944	
5/26/2017									179
6/2/2017								910	
7/10/2017									211
7/11/2017									
7/14/2017								887	
10/10/2017									178
10/11/2017								887	
6/12/2018									217
6/13/2018								873	
10/16/2018									247
10/17/2018									
10/18/2018								876	
4/1/2019									191
4/2/2019								728	
9/24/2019								733	193
3/18/2020									193
3/19/2020								733	
5/4/2020		1680	298						
5/11/2020	470								
5/20/2020	799	1960							
9/3/2020	611	1980	312						
9/23/2020									187
9/24/2020									
9/25/2020								726	
1/28/2021						2950	1460		
3/24/2021									198
3/29/2021		700							
3/30/2021						1980	1170	570	
3/31/2021			308						
4/1/2021	502								
4/19/2021				970	270				
8/18/2021			307		264				220
8/19/2021								666	
8/20/2021	628								
8/23/2021		2890				3370	1960		
8/24/2021				1530					

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
2/9/2022			347		377				
2/10/2022									259
2/11/2022								618	
2/14/2022						632	321		
2/15/2022		1620							
2/17/2022	658			1620					
7/26/2022			344		409				196
7/28/2022	628						236	732	
8/1/2022		1850		1330		502			

Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	320
6/7/2016	
6/8/2016	
8/10/2016	
8/11/2016	361
10/4/2016	
10/5/2016	376
10/6/2016	
12/2/2016	
12/5/2016	426
12/6/2016	
2/14/2017	
2/15/2017	452
4/14/2017	
4/17/2017	388
4/18/2017	
5/26/2017	423
6/2/2017	
7/10/2017	
7/11/2017	387
7/14/2017	
10/10/2017	376
10/11/2017	
6/12/2018	348
6/13/2018	
10/16/2018	
10/17/2018	377
10/18/2018	
4/1/2019	326
4/2/2019	
9/24/2019	325
3/18/2020	
3/19/2020	306
5/4/2020	
5/11/2020	
5/20/2020	
9/3/2020	
9/23/2020	
9/24/2020	322
9/25/2020	
1/28/2021	
3/24/2021	294
3/29/2021	
3/30/2021	
3/31/2021	
4/1/2021	
4/19/2021	
8/18/2021	307
8/19/2021	
8/20/2021	
8/23/2021	
8/24/2021	

Time Series

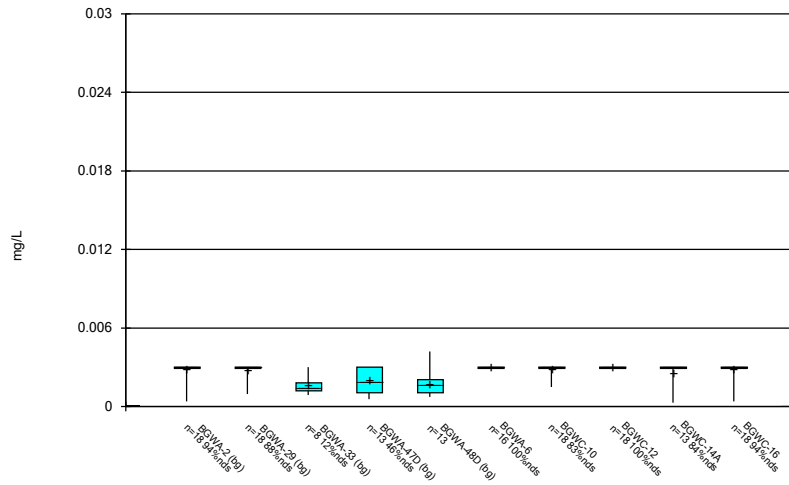
Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/18/2022 2:57 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWC-9

2/9/2022	
2/10/2022	304
2/11/2022	
2/14/2022	
2/15/2022	
2/17/2022	
7/26/2022	349
7/28/2022	
8/1/2022	

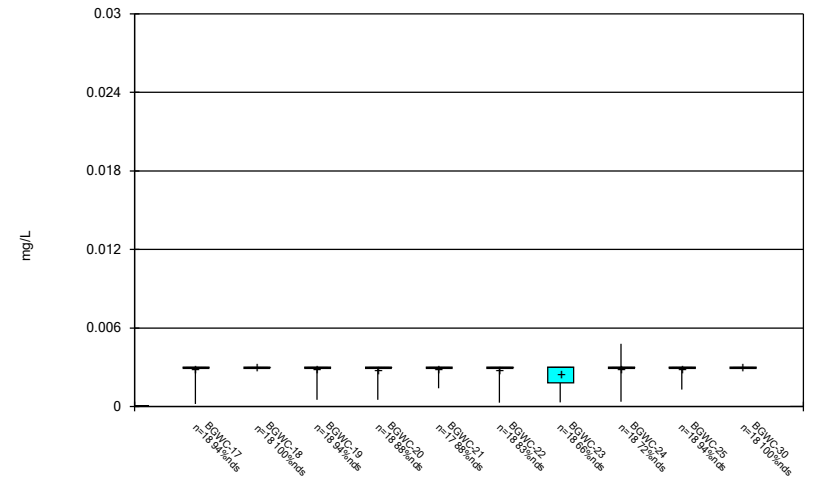
FIGURE B.

Box & Whiskers Plot



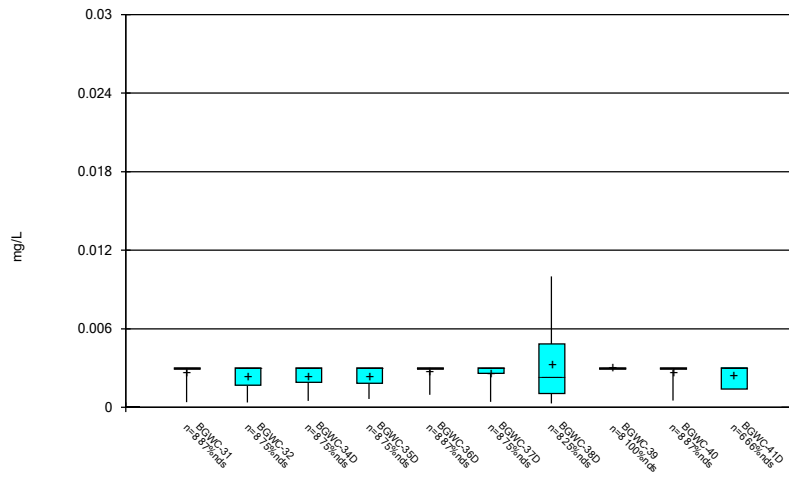
Constituent: Antimony Analysis Run 11/18/2022 2:58 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



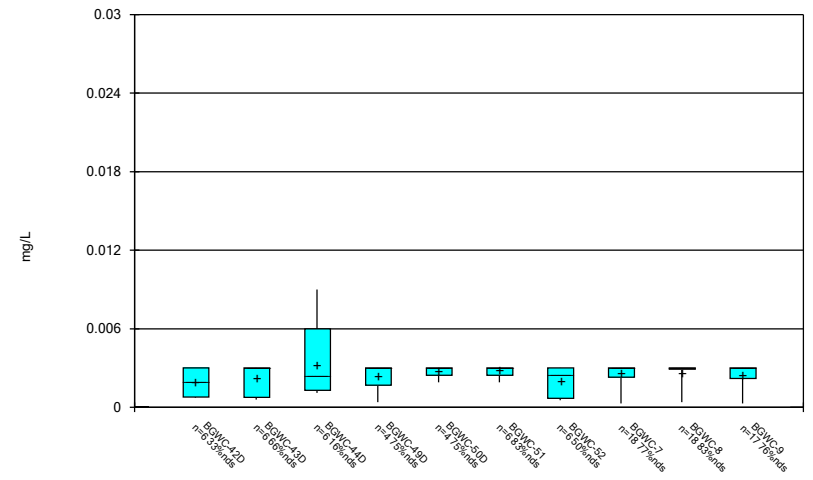
Constituent: Antimony Analysis Run 11/18/2022 2:58 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



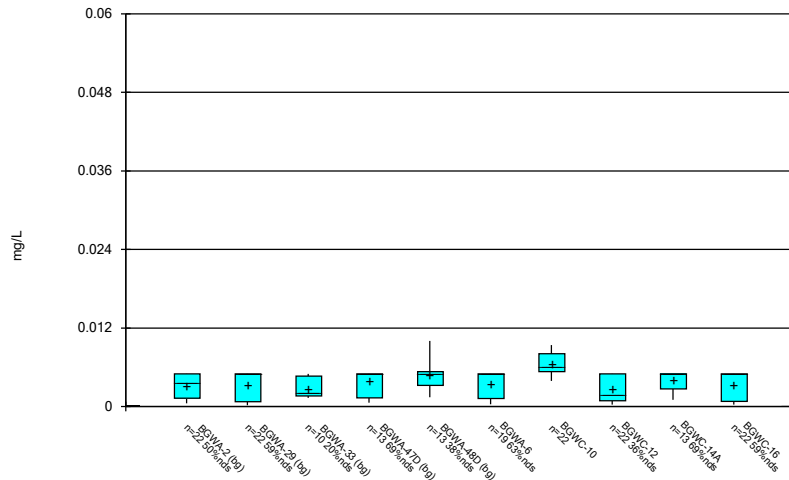
Constituent: Antimony Analysis Run 11/18/2022 2:58 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



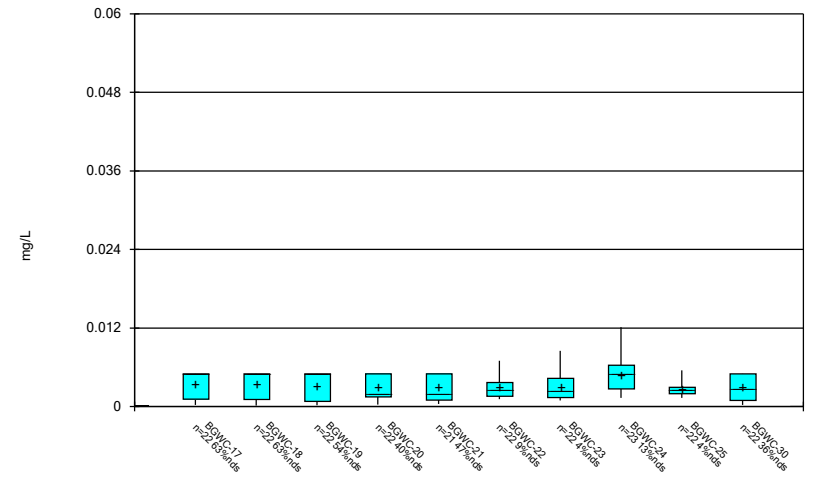
Constituent: Antimony Analysis Run 11/18/2022 2:58 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



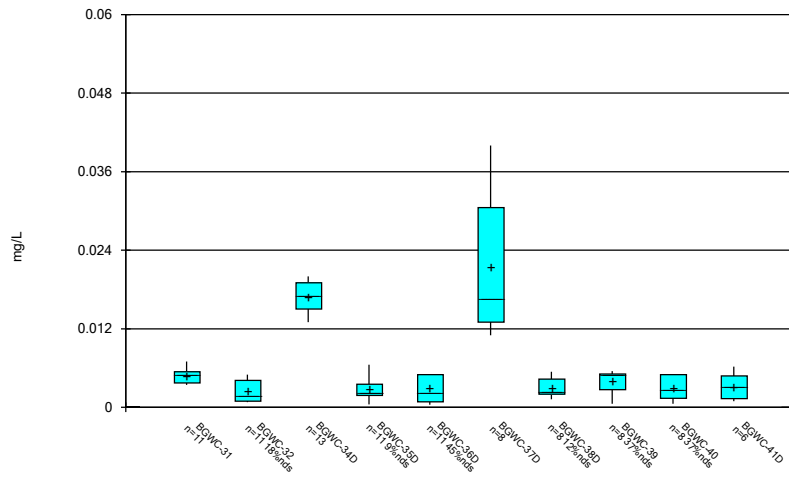
Constituent: Arsenic Analysis Run 11/18/2022 2:58 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



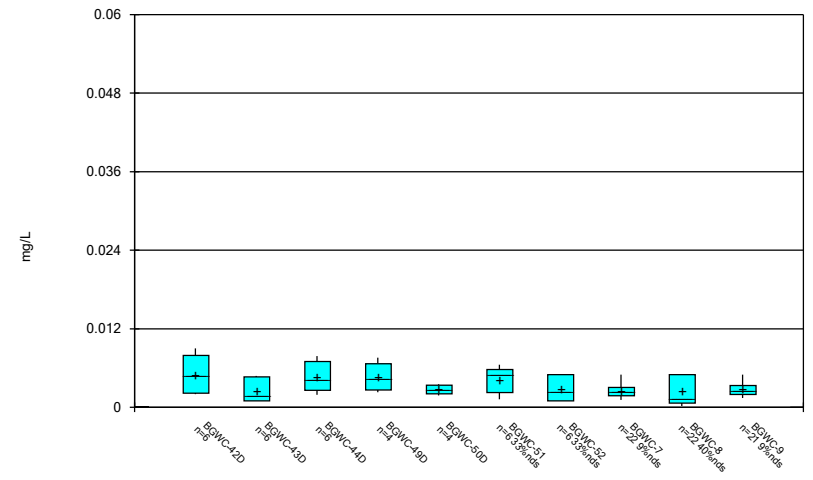
Constituent: Arsenic Analysis Run 11/18/2022 2:58 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



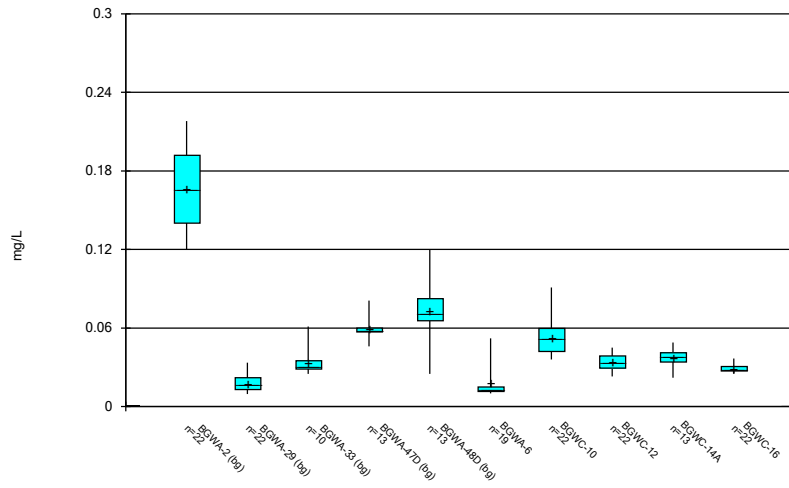
Constituent: Arsenic Analysis Run 11/18/2022 2:58 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



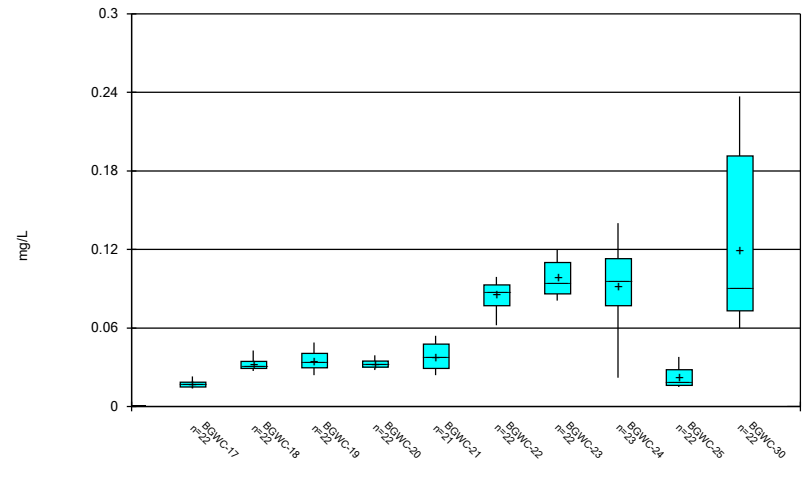
Constituent: Arsenic Analysis Run 11/18/2022 2:58 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



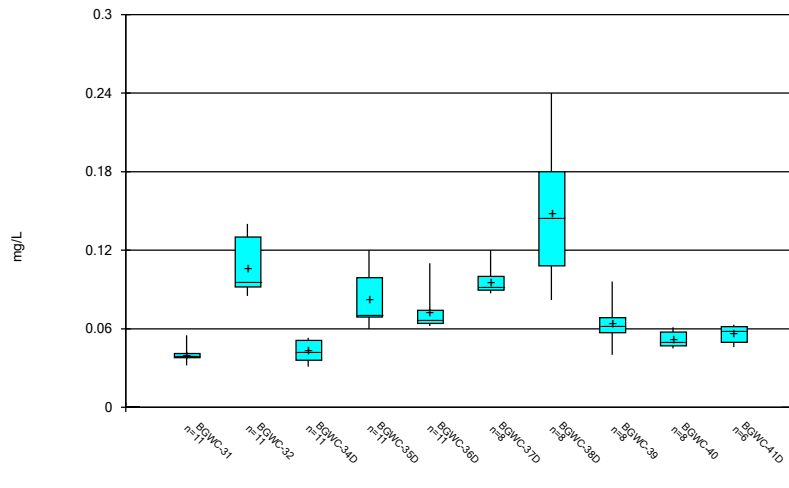
Constituent: Barium Analysis Run 11/18/2022 2:58 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



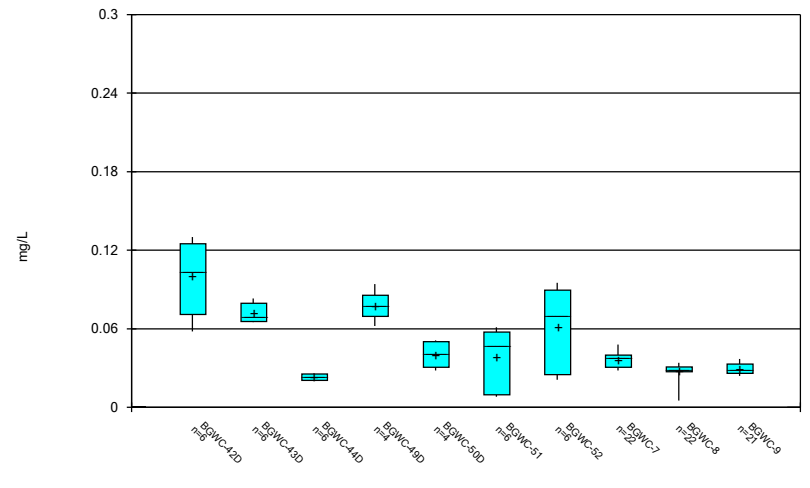
Constituent: Barium Analysis Run 11/18/2022 2:58 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



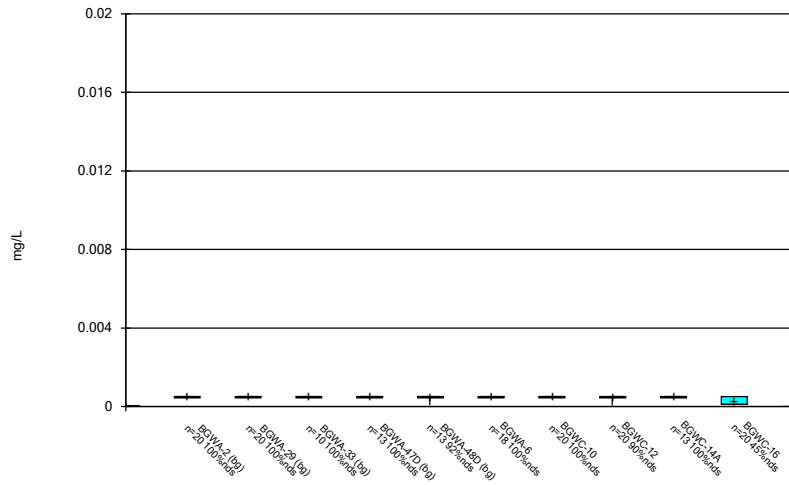
Constituent: Barium Analysis Run 11/18/2022 2:58 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



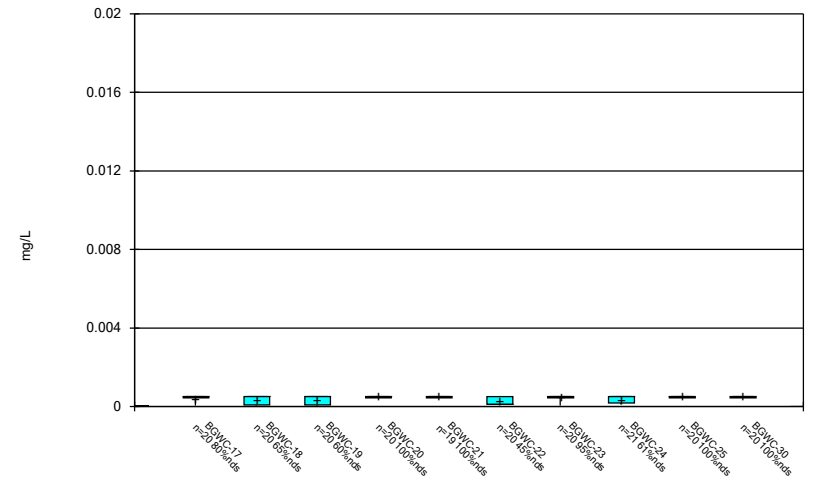
Constituent: Barium Analysis Run 11/18/2022 2:58 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



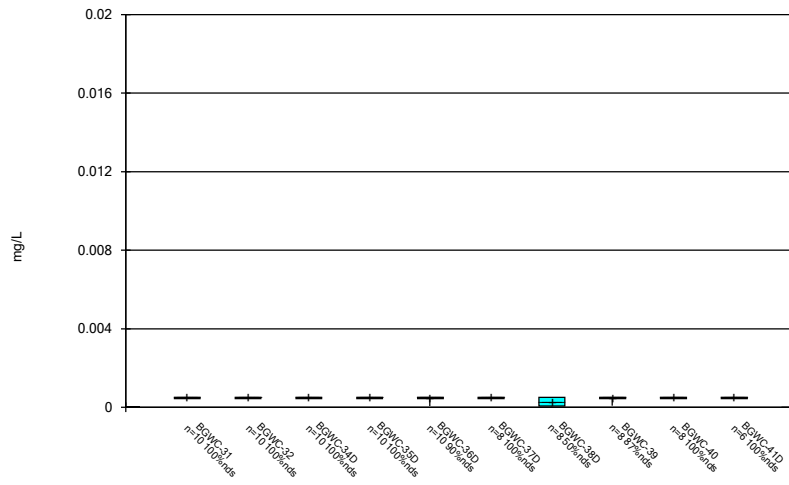
Constituent: Beryllium Analysis Run 11/18/2022 2:58 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



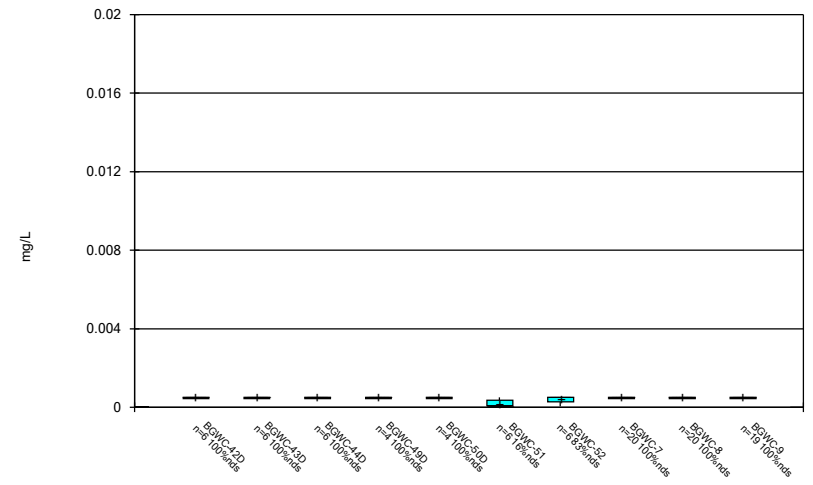
Constituent: Beryllium Analysis Run 11/18/2022 2:58 AM View: Constituents View
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



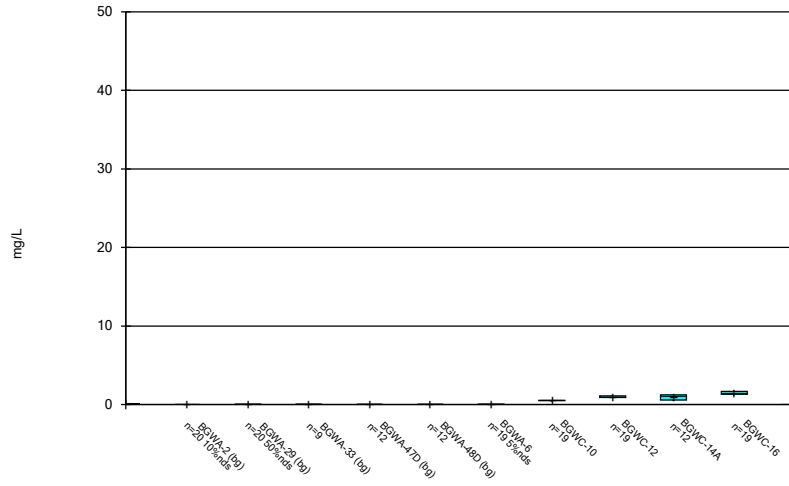
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



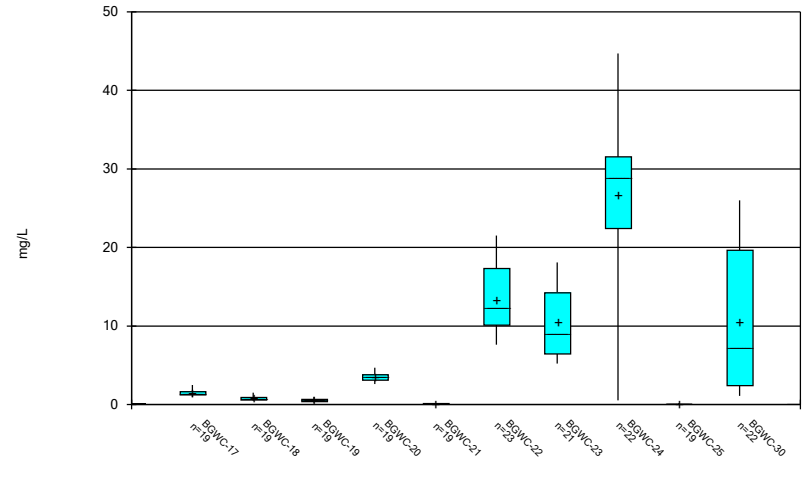
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



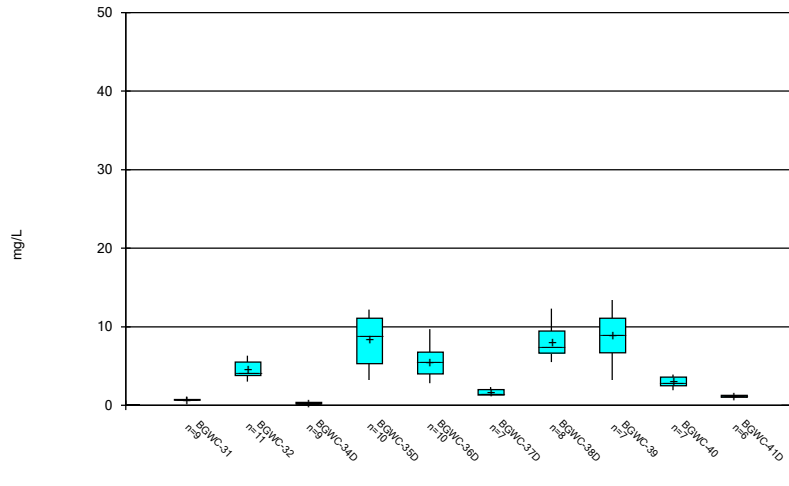
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



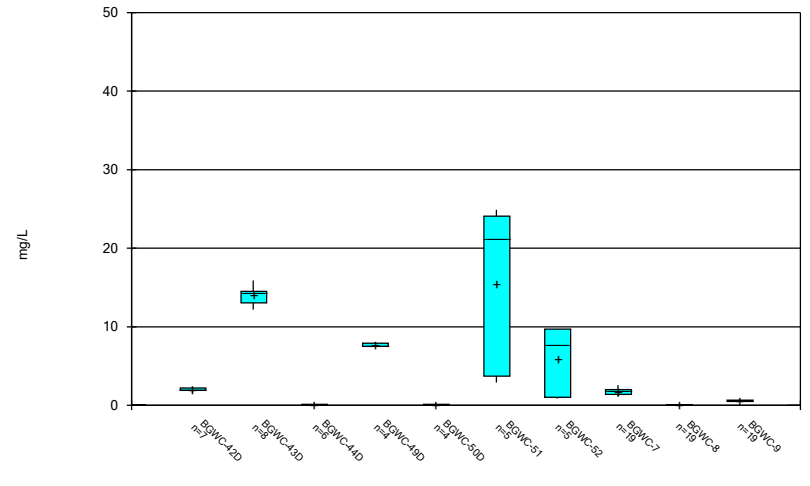
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



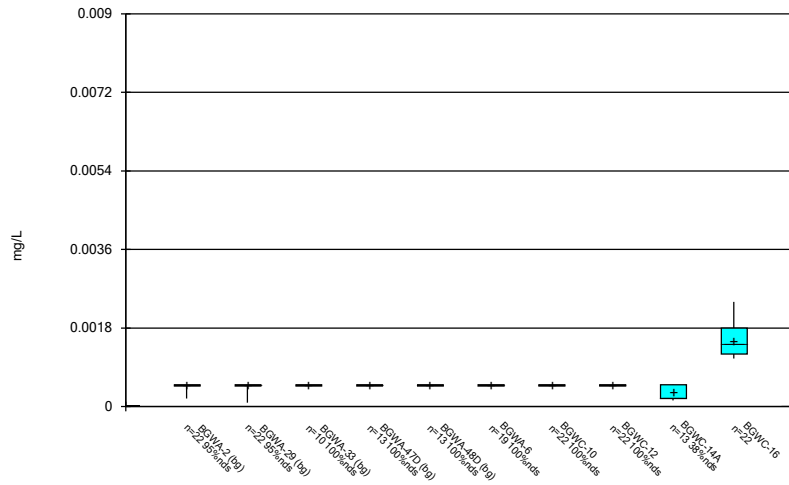
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



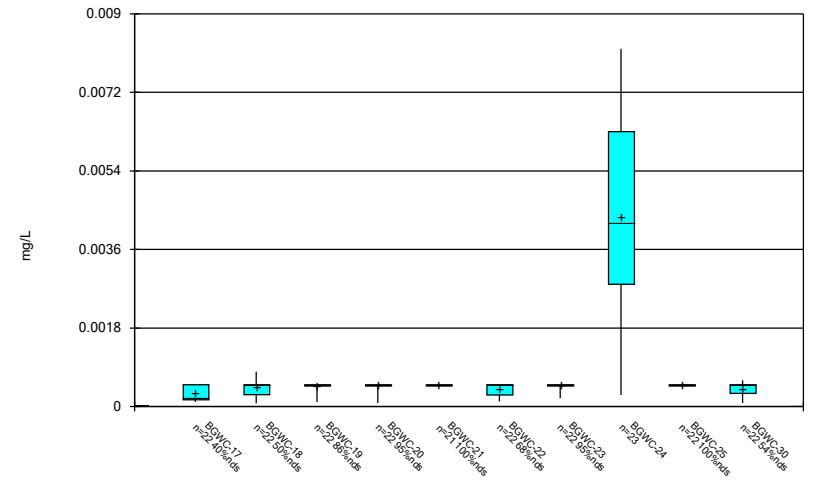
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



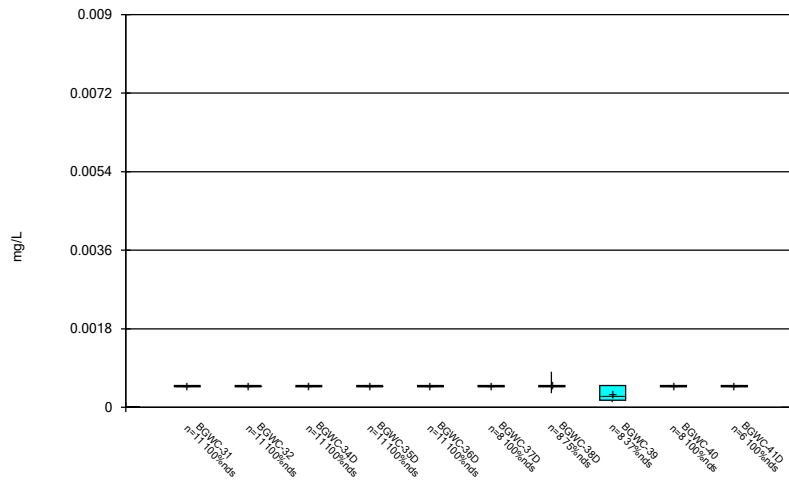
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



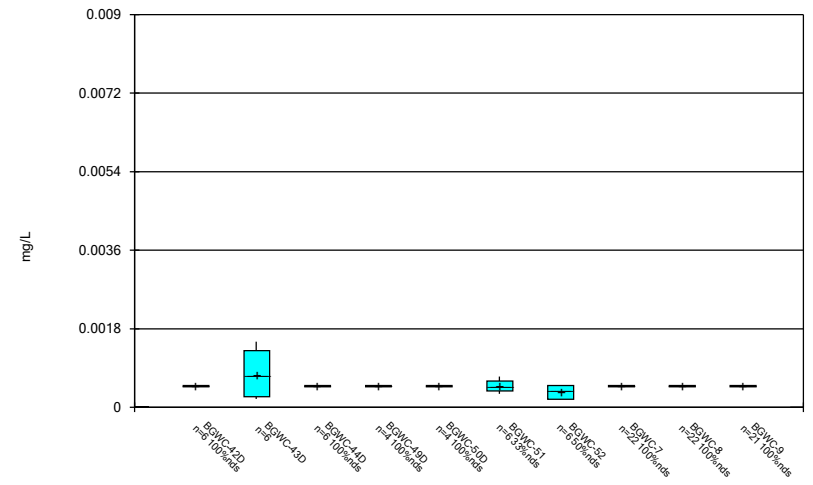
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



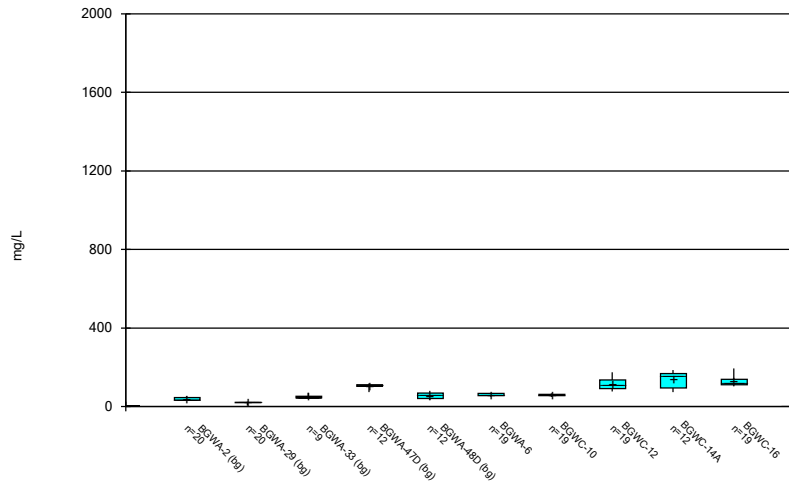
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Box & Whiskers Plot



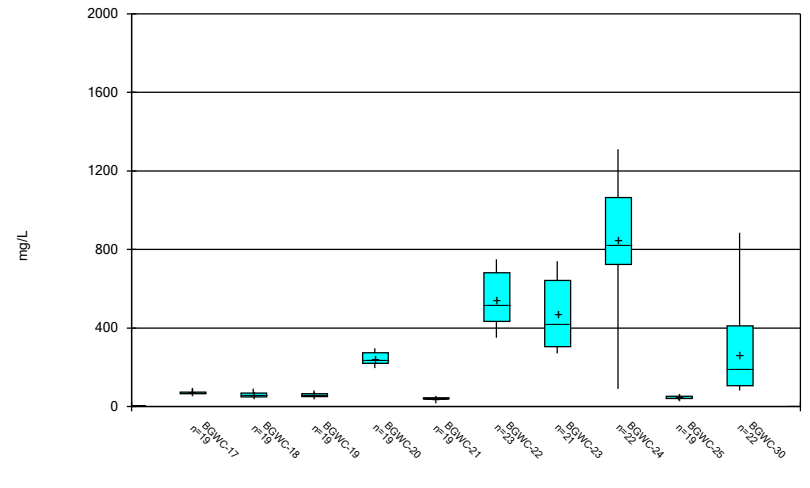
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Box & Whiskers Plot



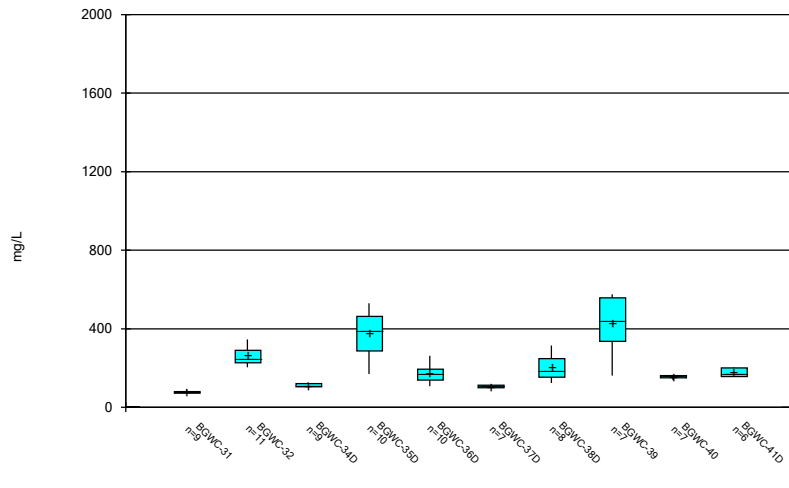
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



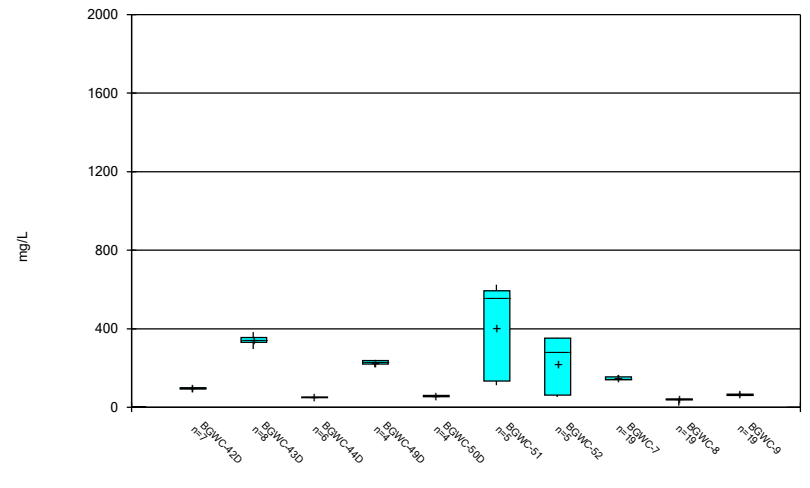
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Box & Whiskers Plot



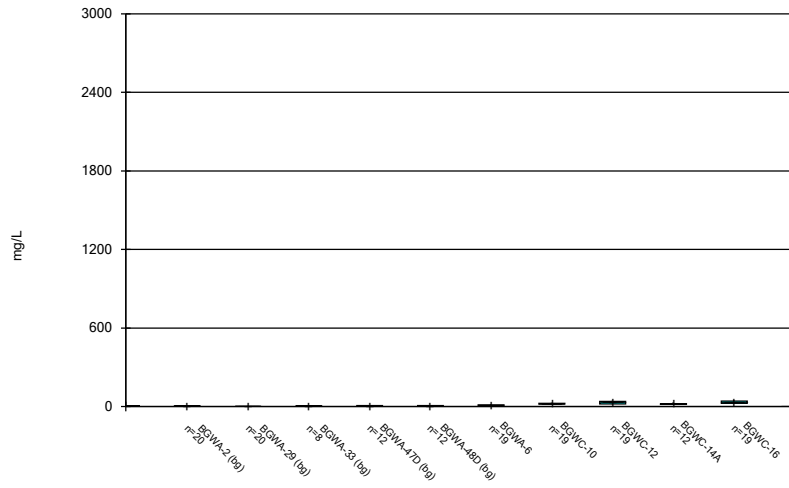
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Box & Whiskers Plot



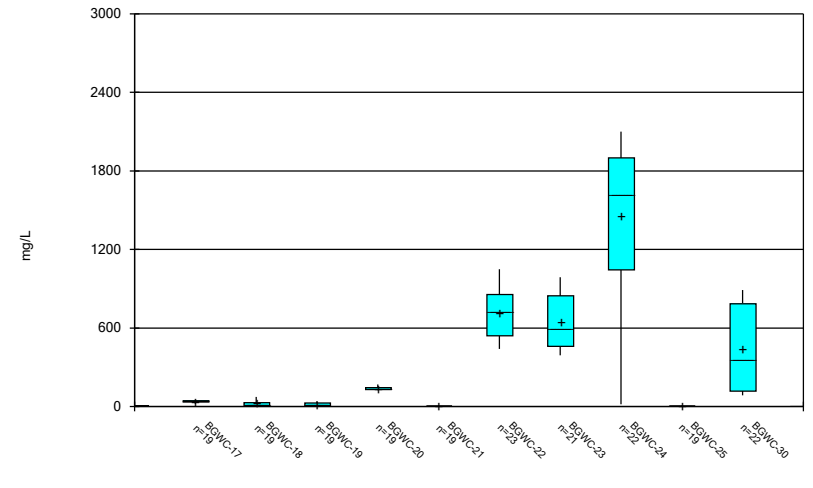
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



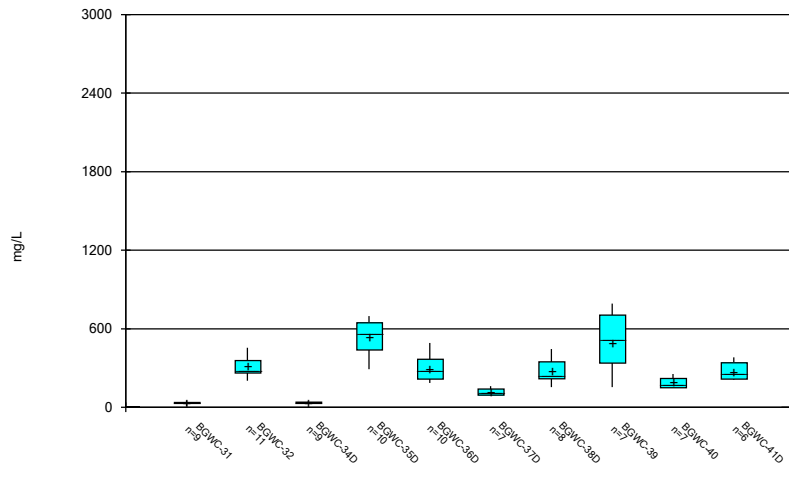
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



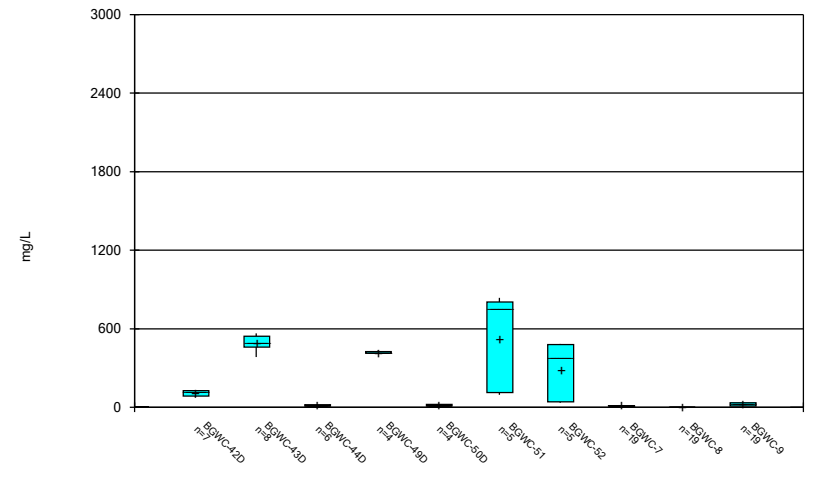
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



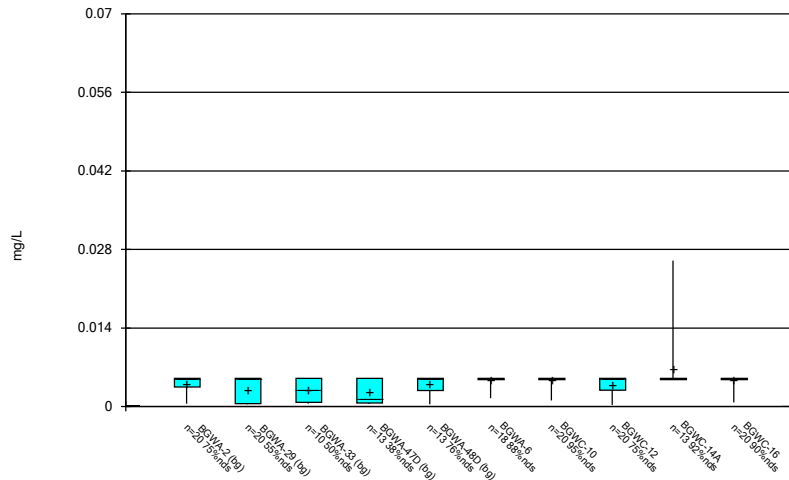
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



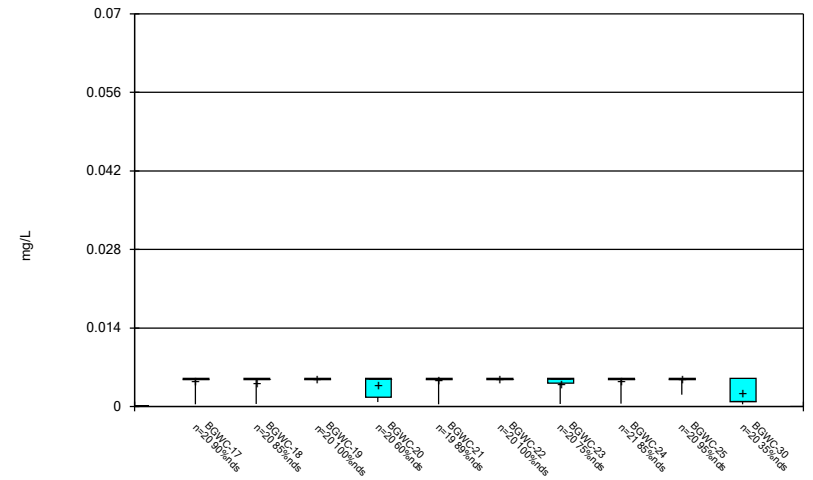
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



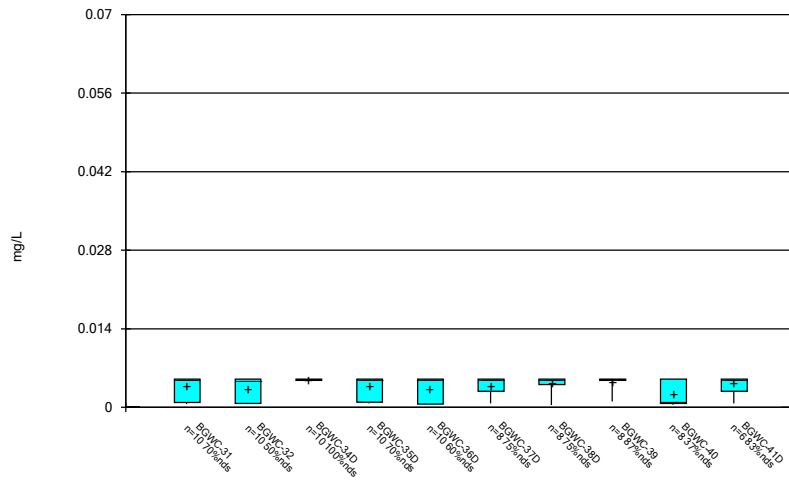
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



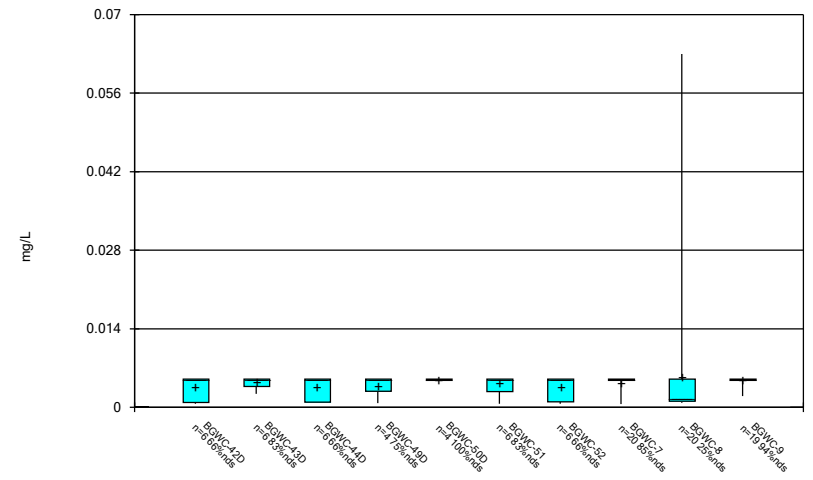
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



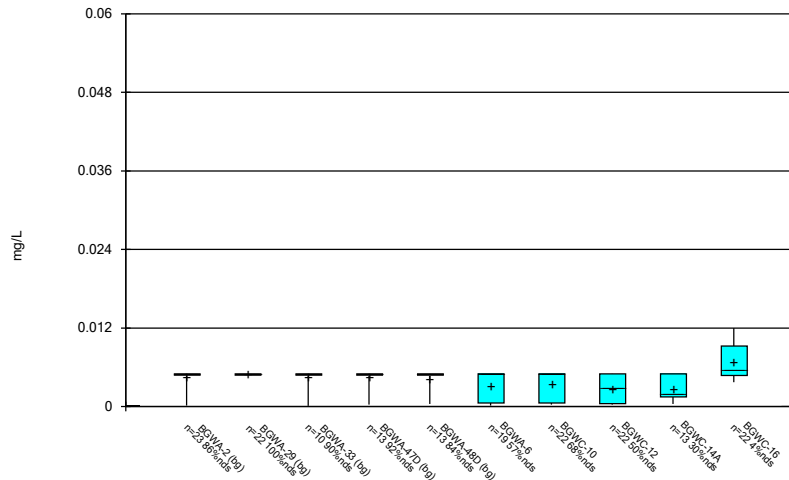
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Box & Whiskers Plot



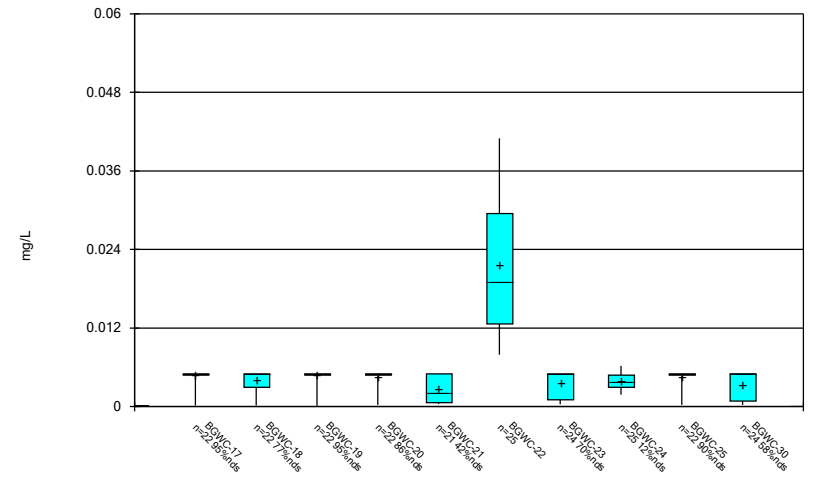
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Box & Whiskers Plot



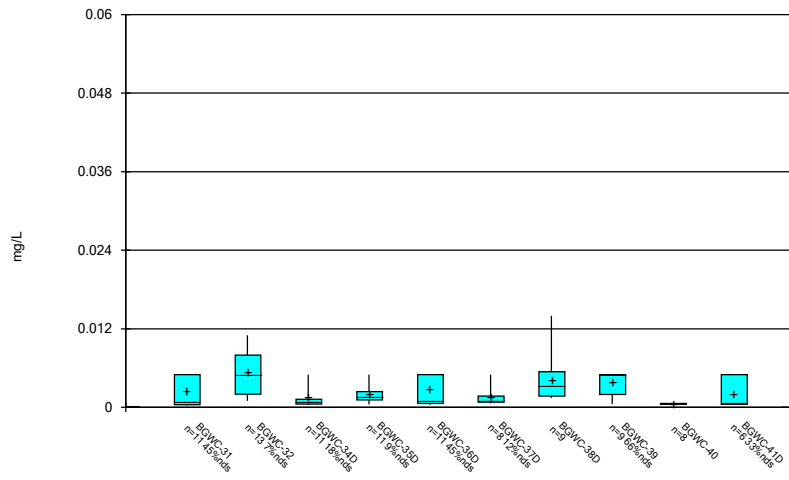
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



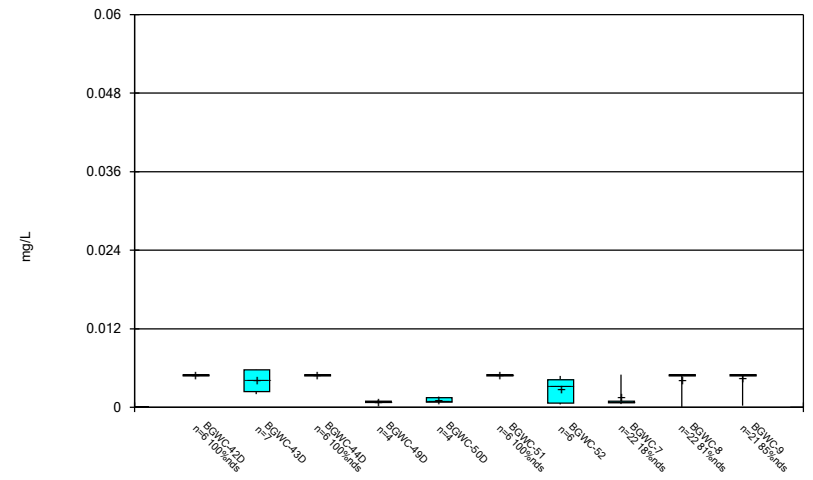
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



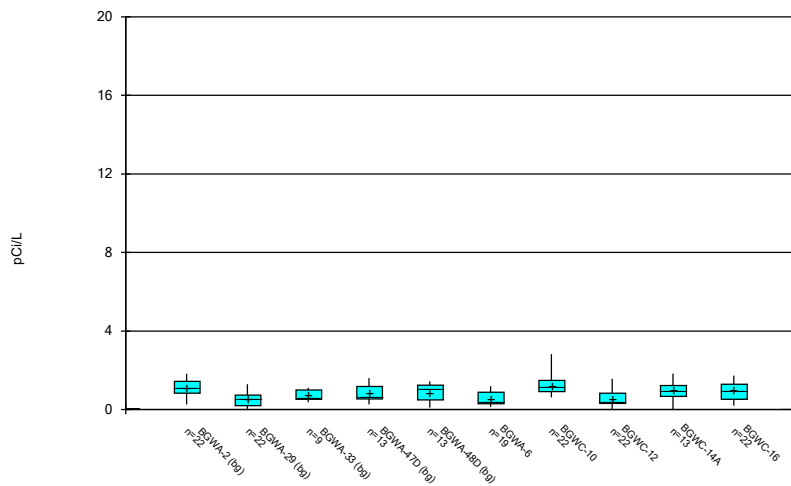
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Box & Whiskers Plot



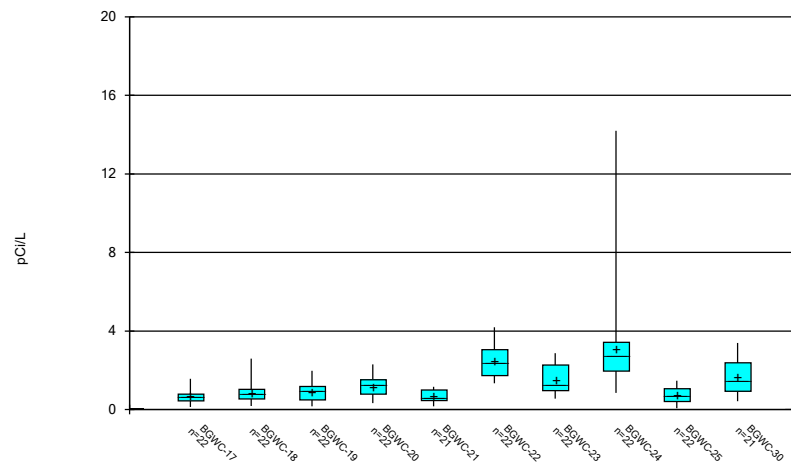
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Box & Whiskers Plot



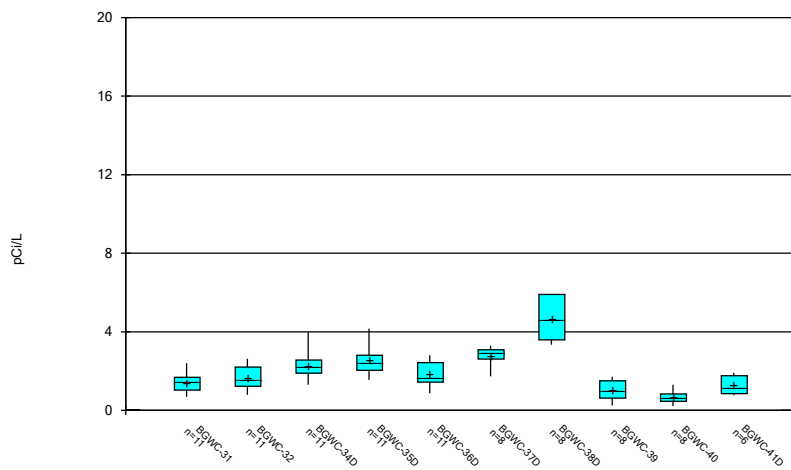
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



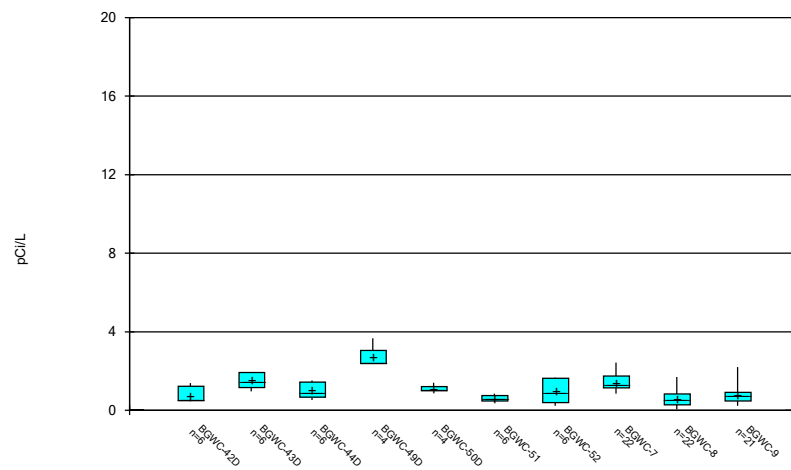
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Box & Whiskers Plot



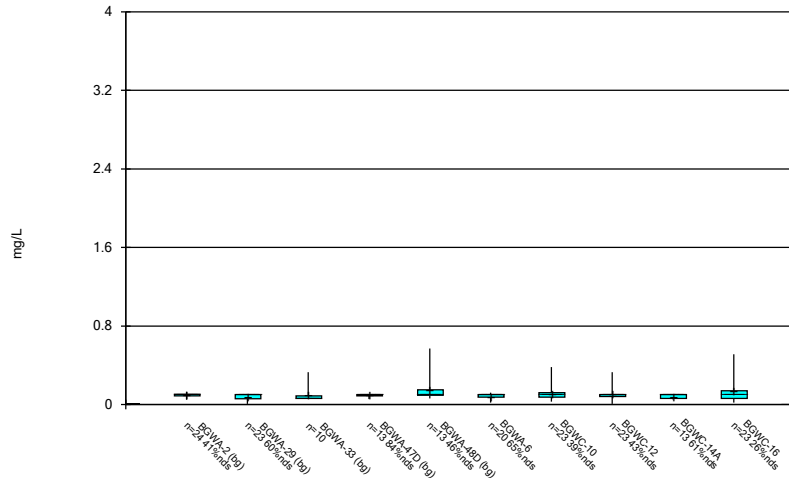
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Box & Whiskers Plot



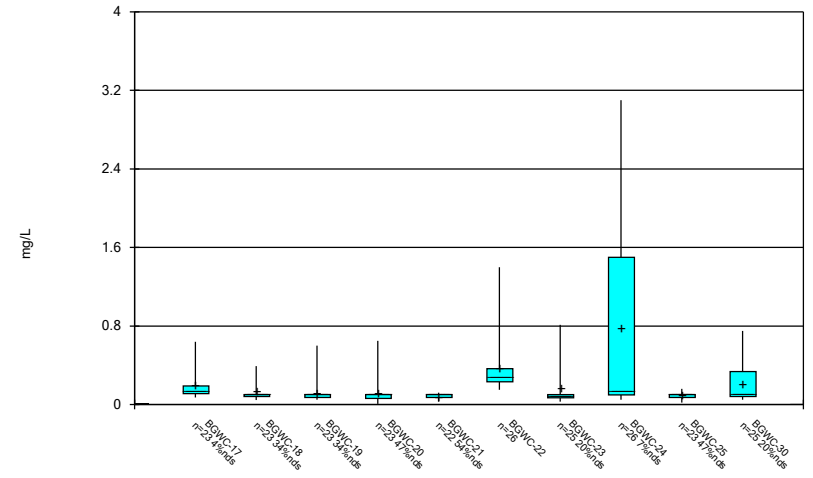
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Box & Whiskers Plot



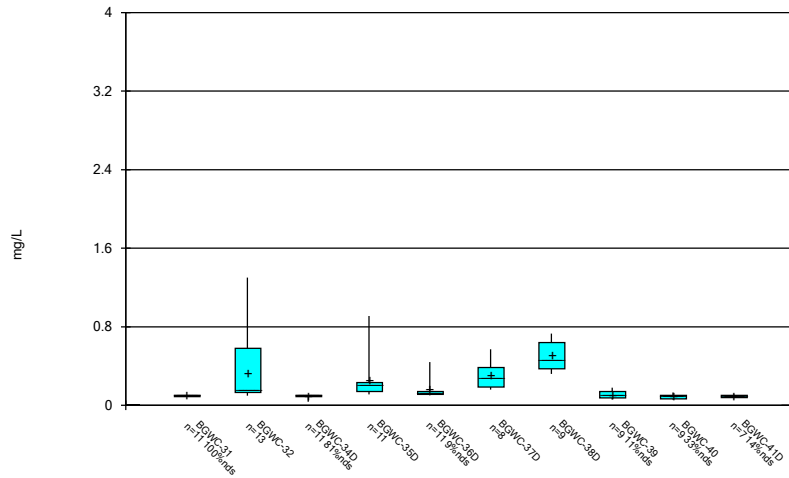
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Box & Whiskers Plot



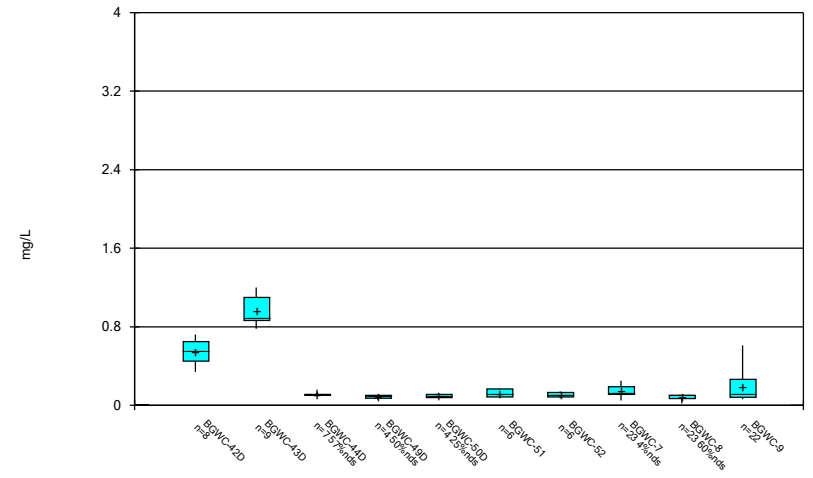
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Box & Whiskers Plot



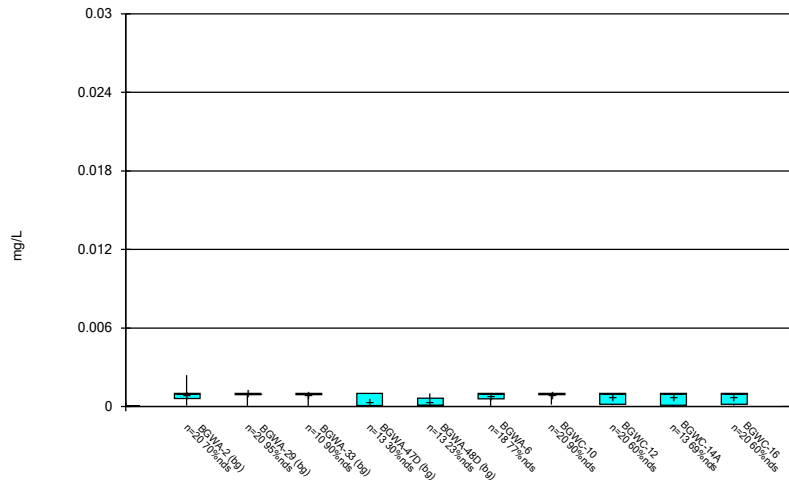
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Box & Whiskers Plot



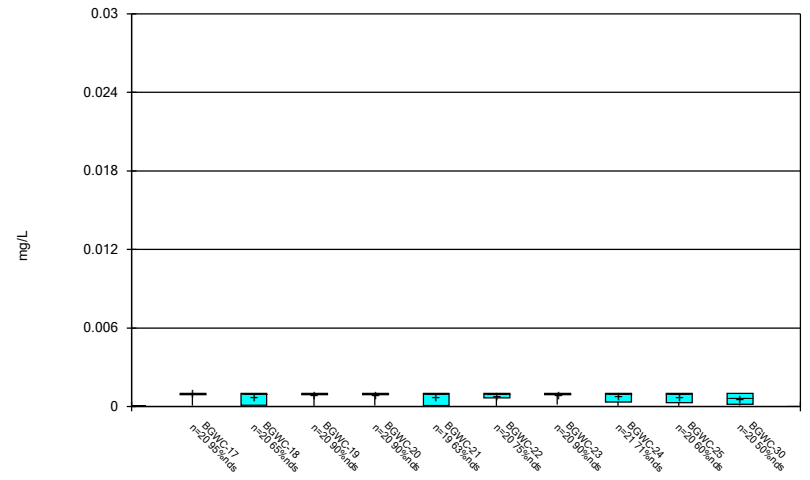
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Box & Whiskers Plot



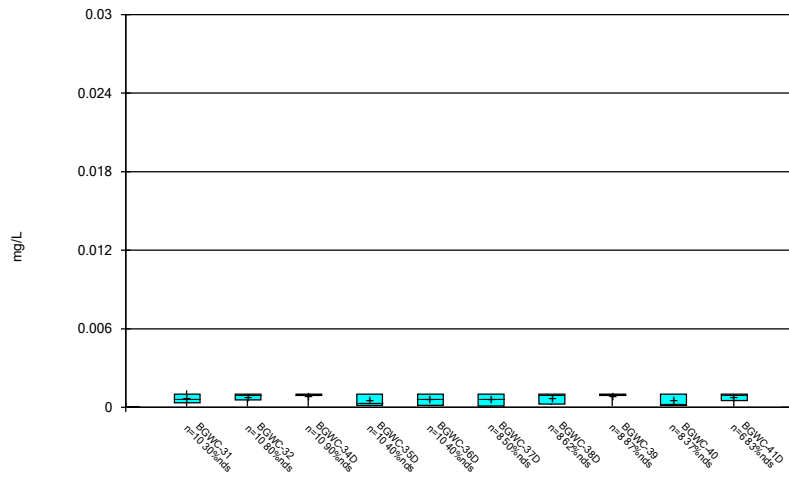
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Box & Whiskers Plot



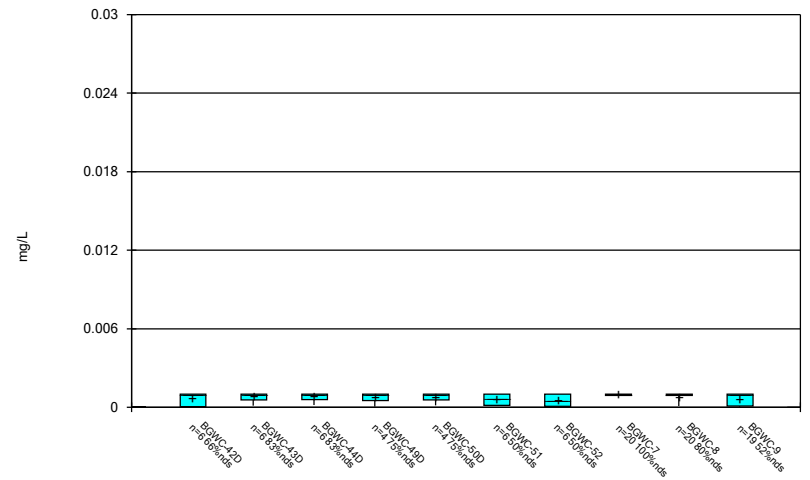
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Box & Whiskers Plot



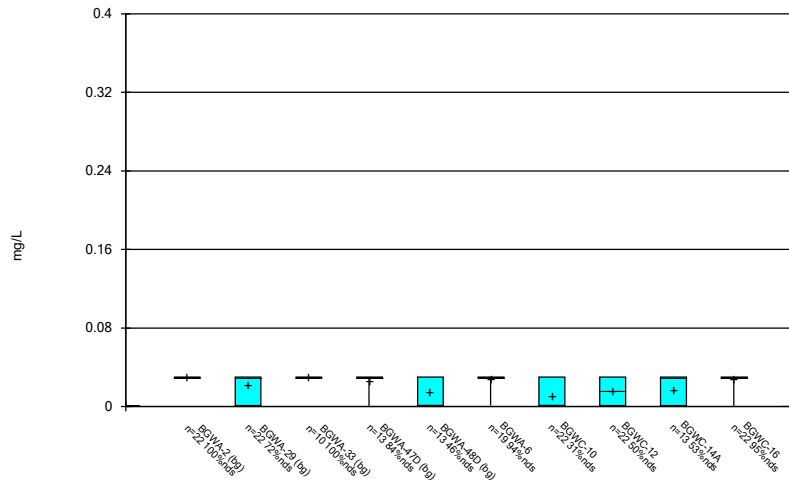
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Box & Whiskers Plot



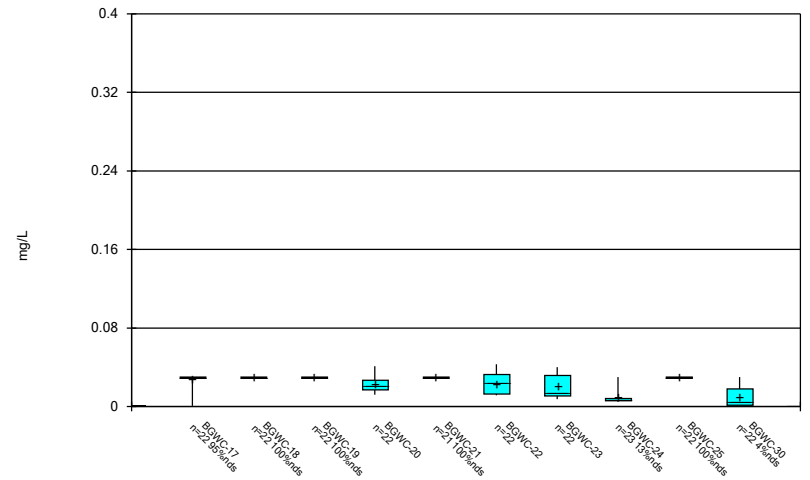
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Box & Whiskers Plot



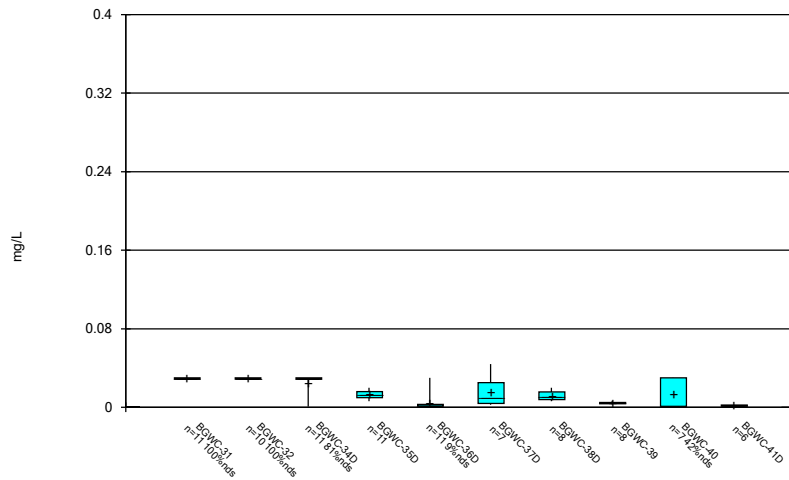
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Box & Whiskers Plot



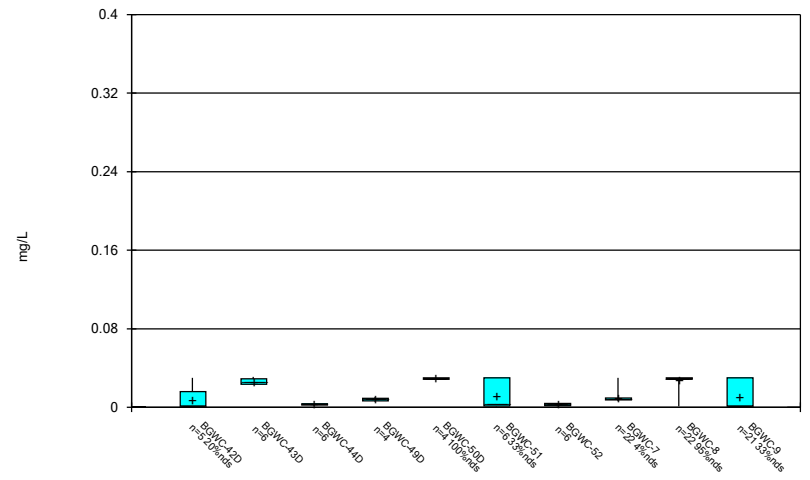
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Box & Whiskers Plot



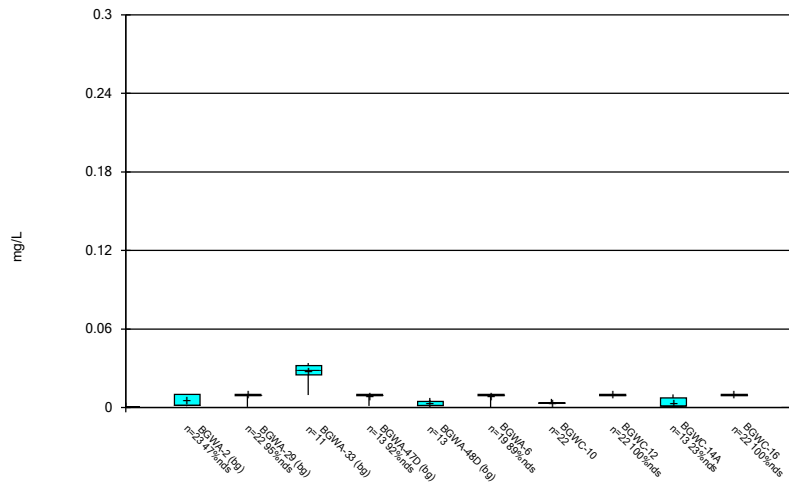
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Box & Whiskers Plot



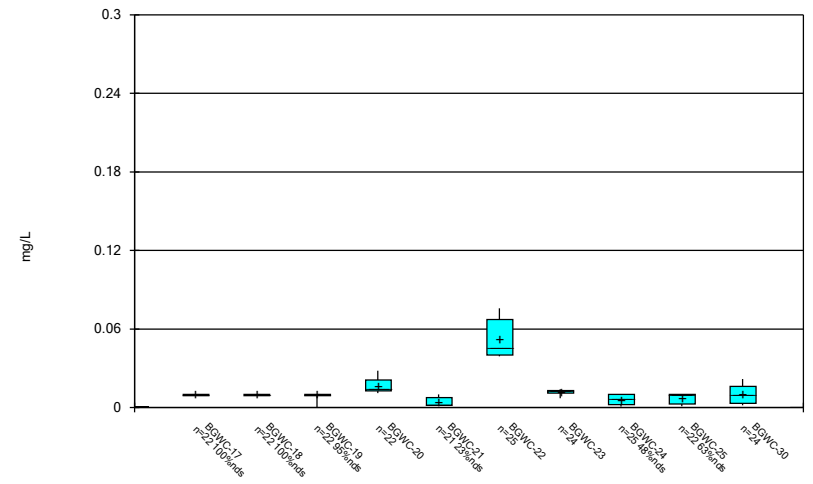
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Box & Whiskers Plot



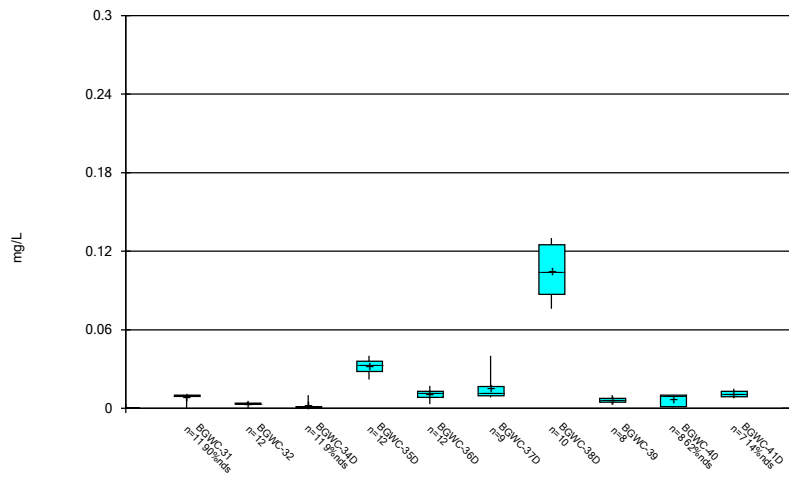
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



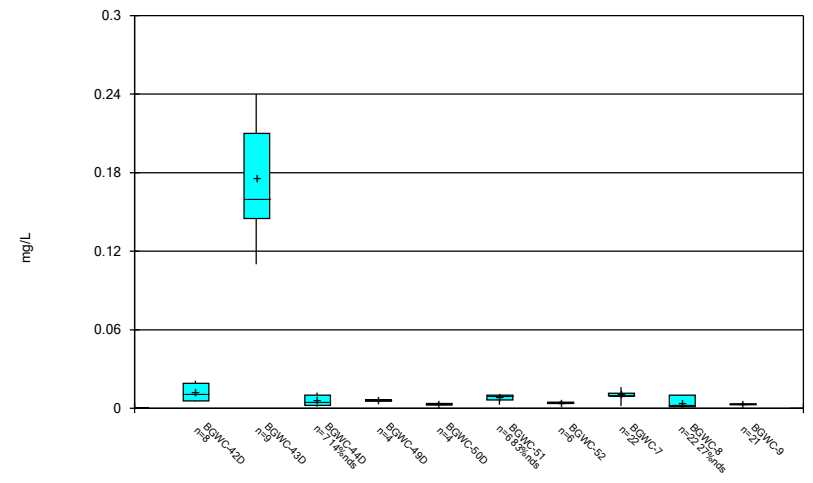
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Box & Whiskers Plot



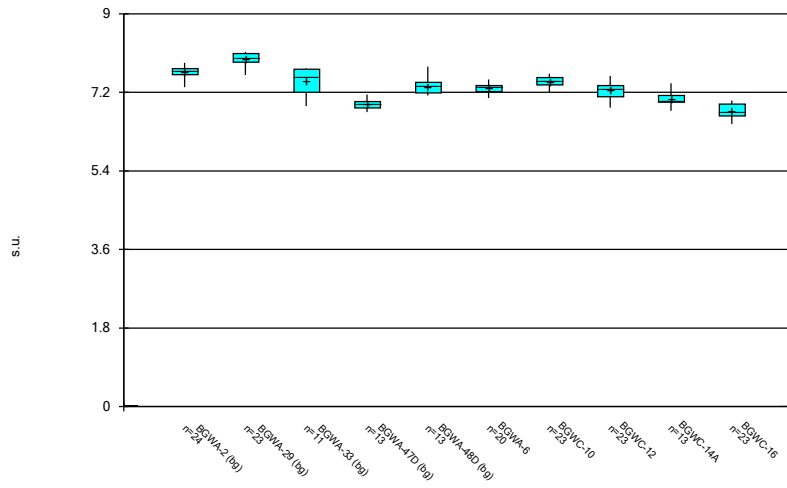
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Box & Whiskers Plot



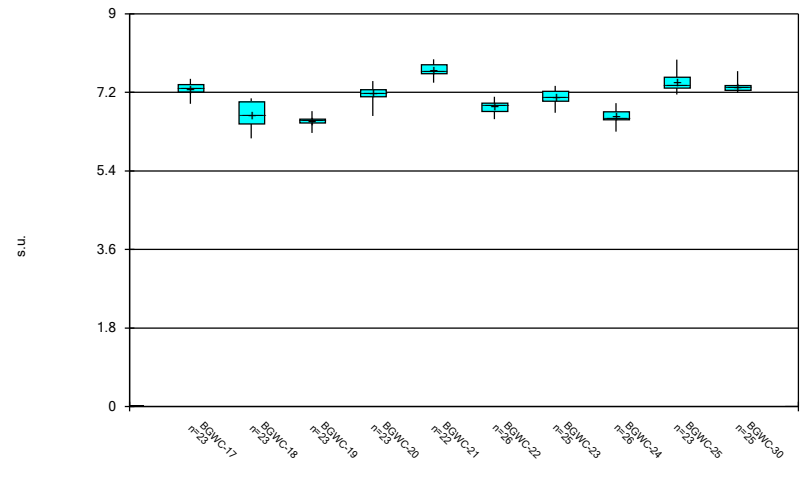
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Box & Whiskers Plot



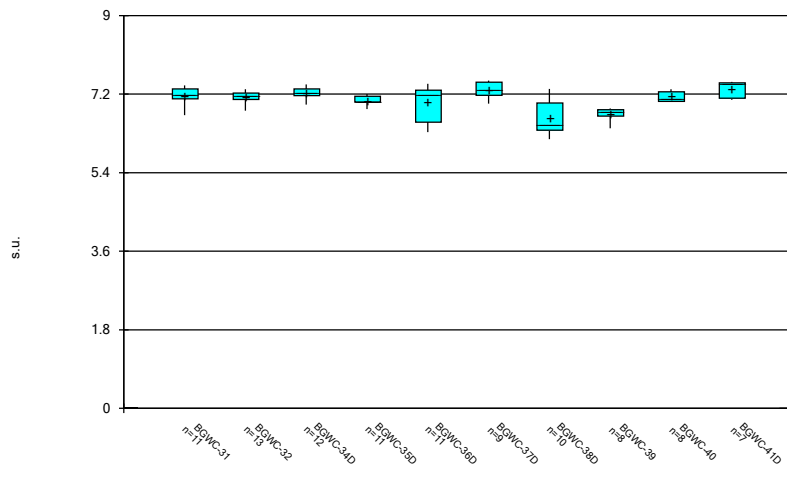
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



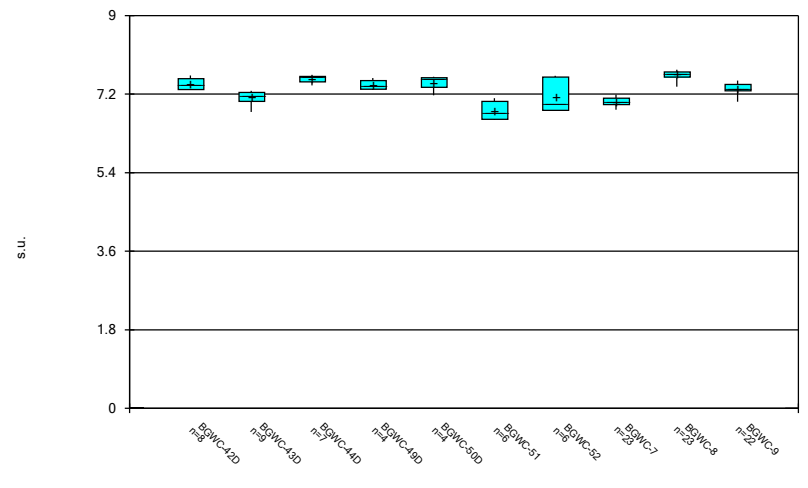
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Box & Whiskers Plot



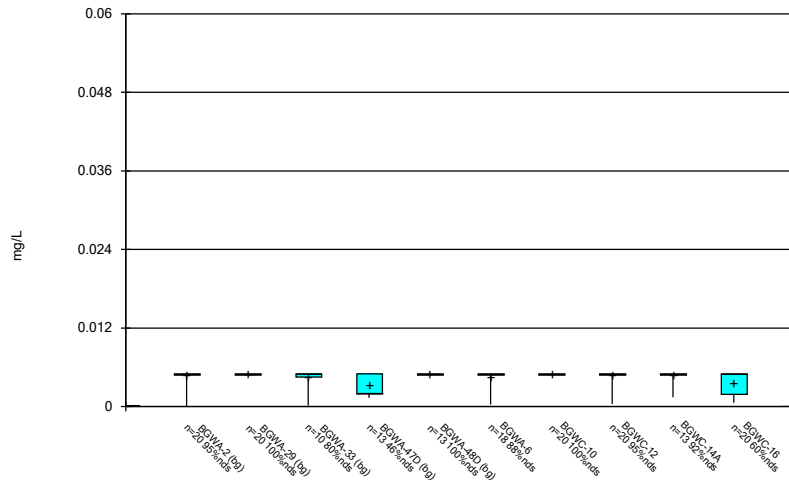
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Box & Whiskers Plot



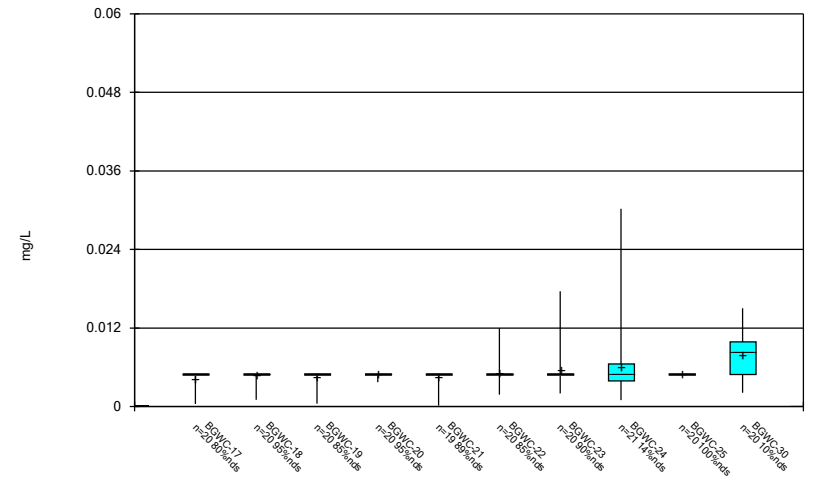
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



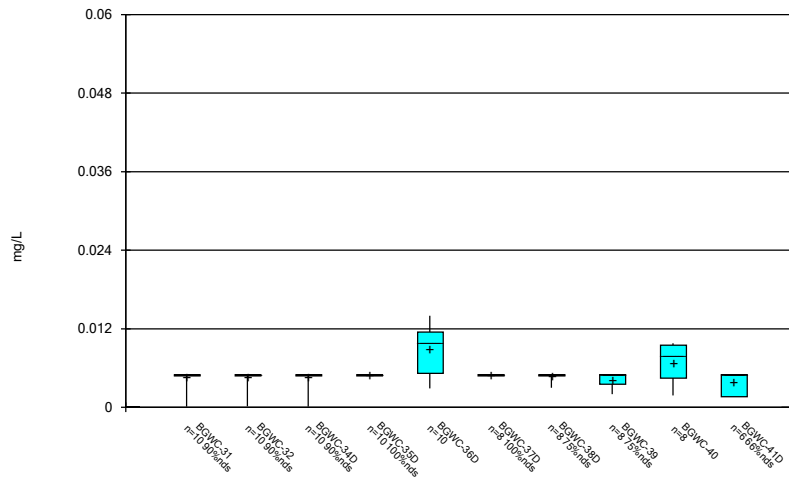
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



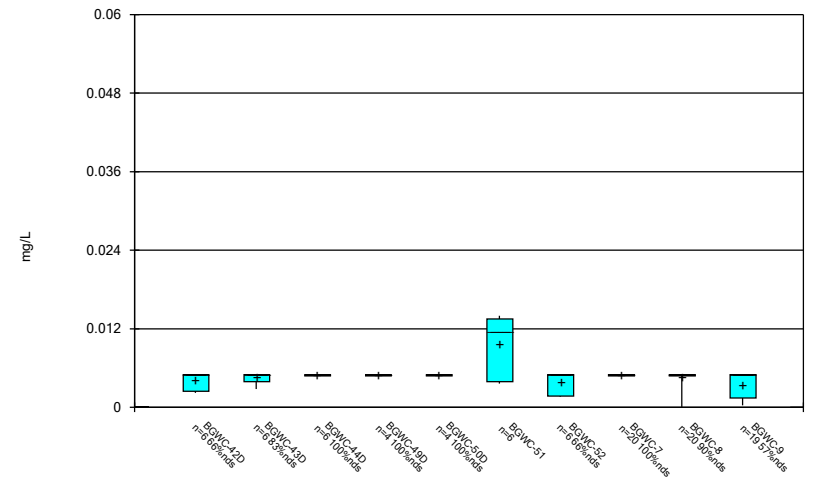
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



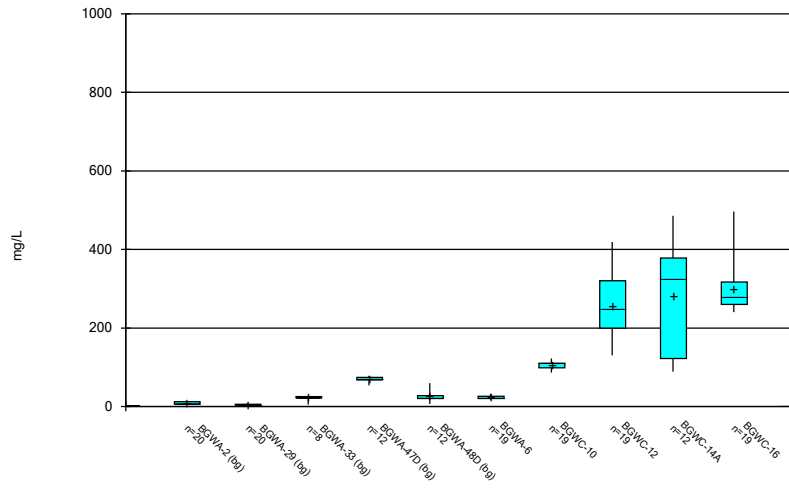
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Box & Whiskers Plot



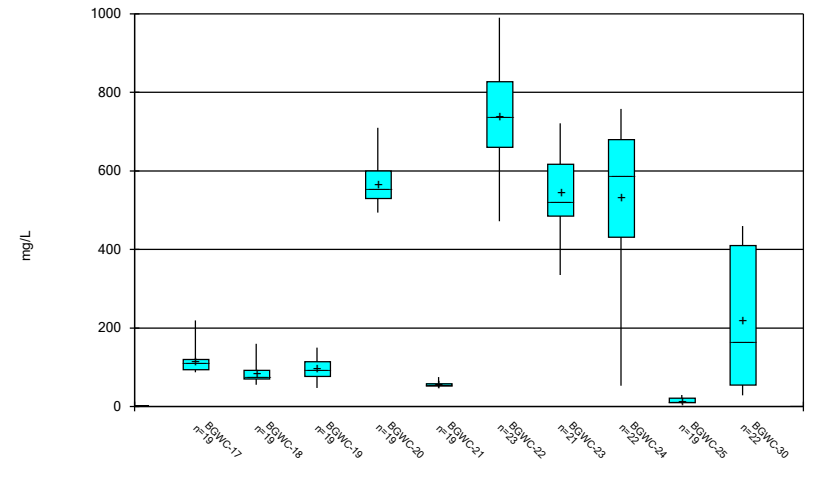
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Box & Whiskers Plot



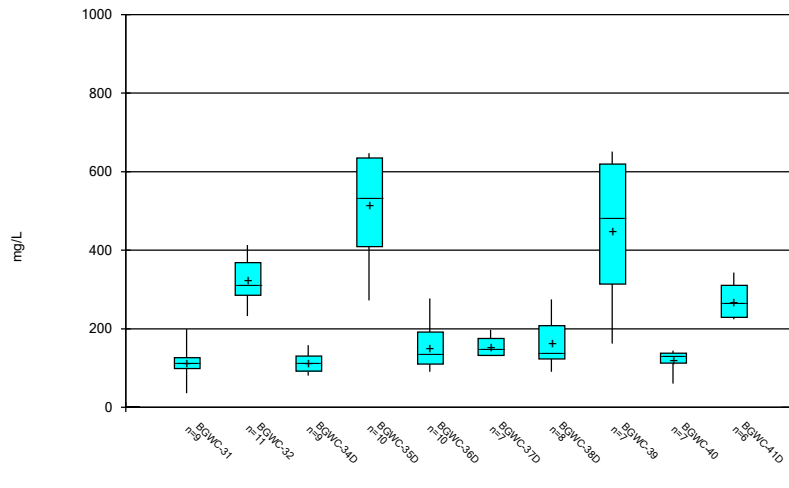
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



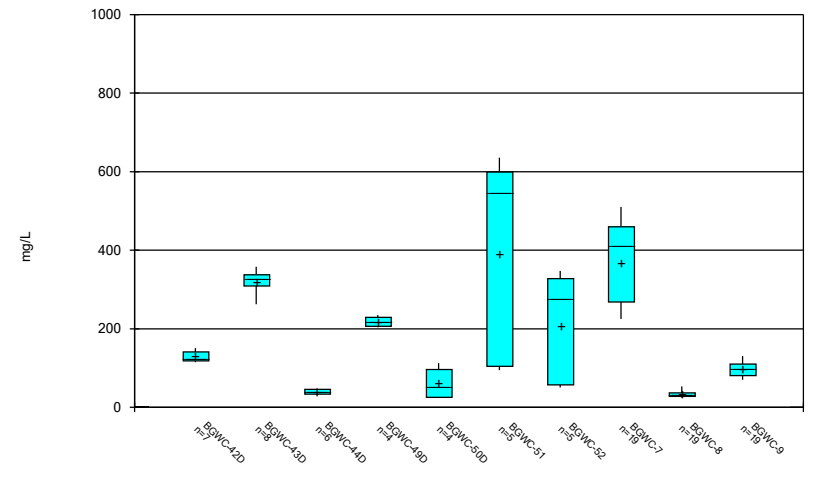
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



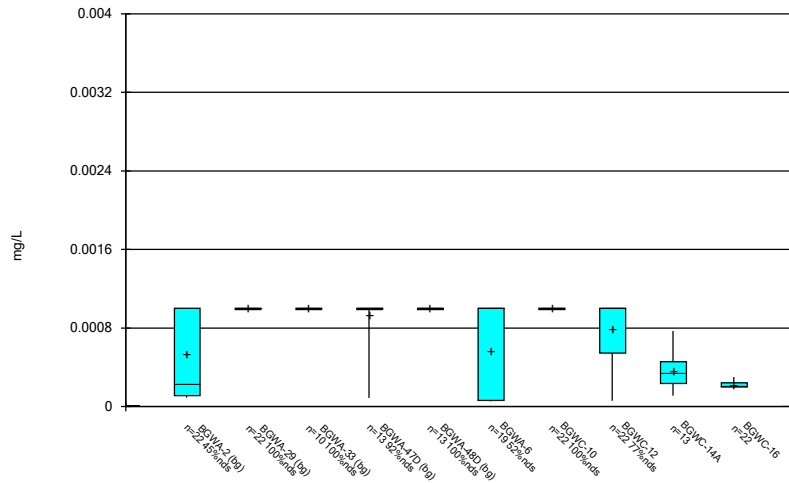
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



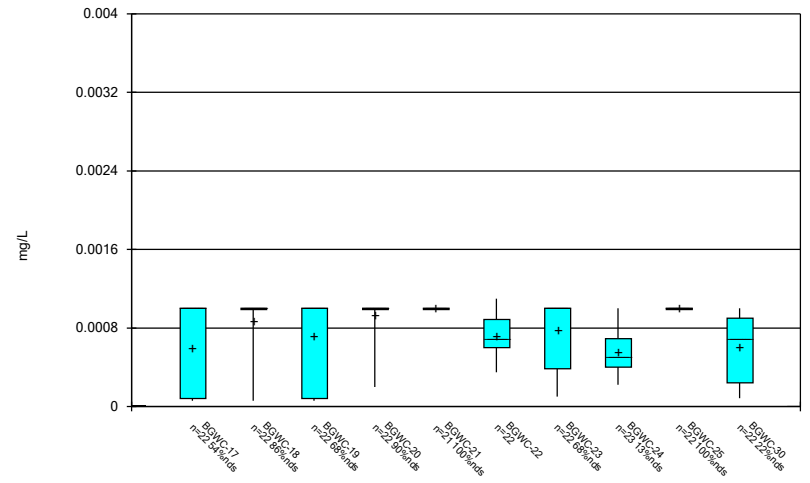
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



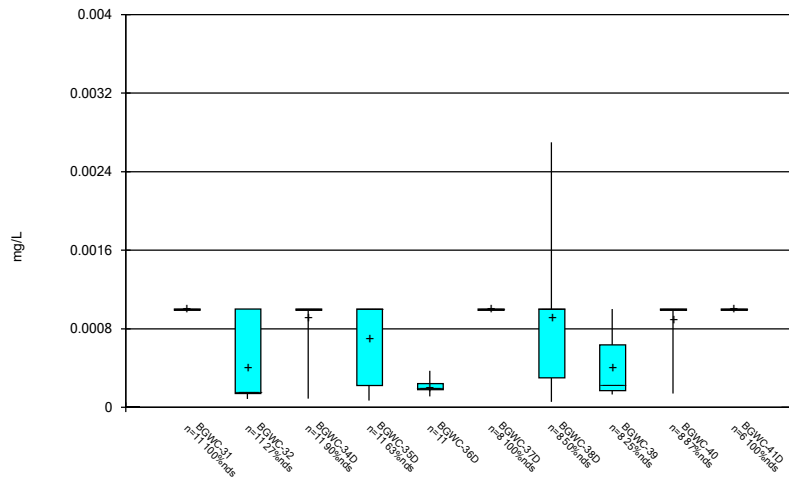
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



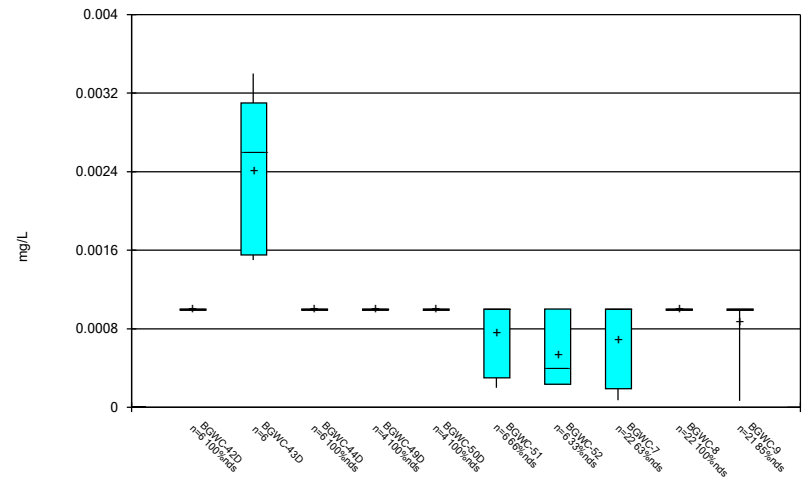
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Box & Whiskers Plot



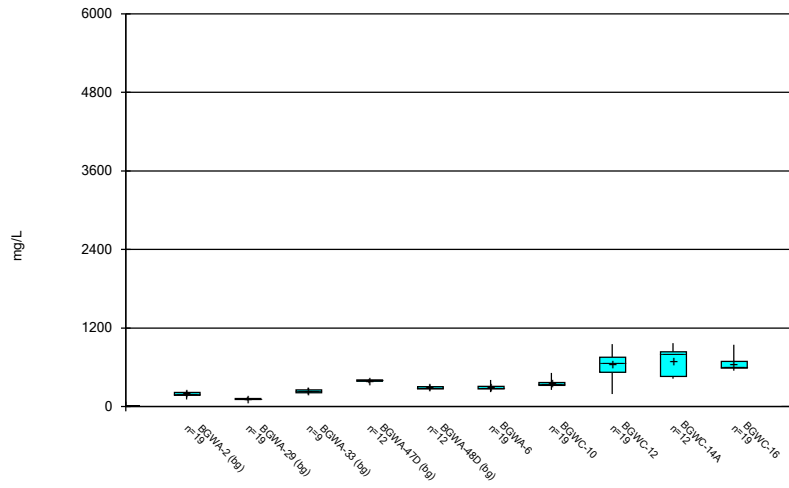
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



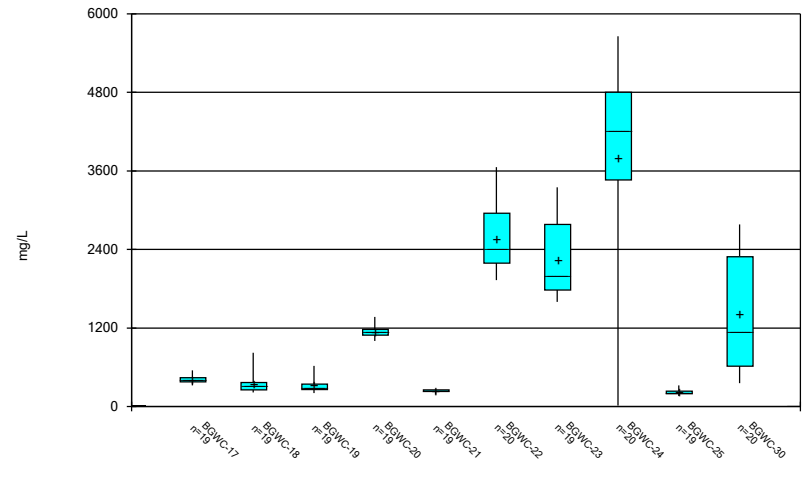
Constituent: Thallium Analysis Run 11/18/2022 2:59 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



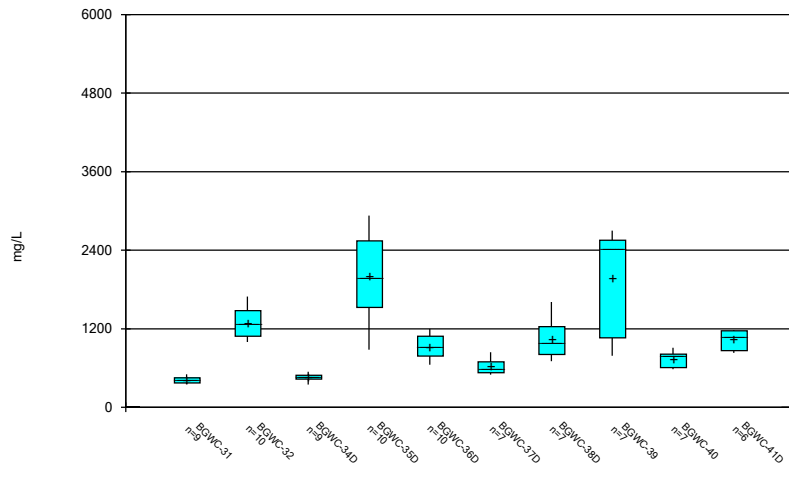
Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:59 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



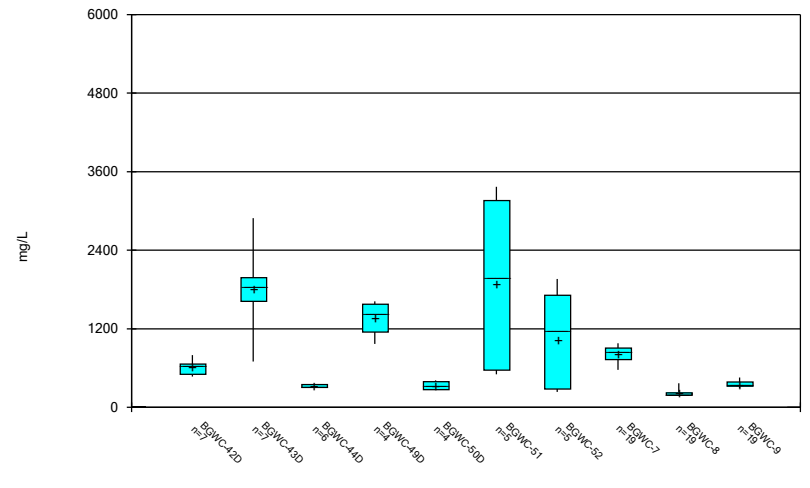
Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:59 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:59 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:59 AM View: Constituents View
Plant Bowen Client: Southern Company Data: Bowen AP-1

FIGURE C.

FIGURE D.

Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 7:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.03848	n/a	7/28/2022	0.52	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-12	0.03848	n/a	7/27/2022	1.2	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-14A	0.03848	n/a	7/26/2022	1.3	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-16	0.03848	n/a	7/27/2022	1.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-17	0.03848	n/a	7/27/2022	1.2	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-18	0.03848	n/a	7/27/2022	0.53	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-19	0.03848	n/a	7/27/2022	0.43	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-20	0.03848	n/a	7/27/2022	3.8	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-22	0.03848	n/a	8/2/2022	21.5	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-23	0.03848	n/a	8/1/2022	14.8	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-24	0.03848	n/a	10/21/2022	19.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-25	0.03848	n/a	7/27/2022	0.051	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-30	0.03848	n/a	8/1/2022	2.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-7	0.03848	n/a	7/28/2022	1.1	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-8	0.03848	n/a	7/26/2022	0.052	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-9	0.03848	n/a	7/26/2022	0.47	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	7/27/2022	175	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	7/26/2022	185	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	7/27/2022	194	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	7/27/2022	284	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	8/2/2022	717	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	8/1/2022	559	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	10/21/2022	600	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	7/28/2022	136	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	9.144	n/a	7/28/2022	30	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	9.144	n/a	7/27/2022	16.2	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	9.144	n/a	7/26/2022	19.6	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	9.144	n/a	7/27/2022	23.1	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	9.144	n/a	7/27/2022	43.2	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-18	9.144	n/a	7/27/2022	14.9	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	9.144	n/a	7/27/2022	169	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	9.144	n/a	8/2/2022	828	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	9.144	n/a	8/1/2022	794	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	9.144	n/a	10/21/2022	836	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	9.144	n/a	8/1/2022	114	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-9	9.144	n/a	7/26/2022	10.9	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
pH (s.u.)	BGWC-16	8.341	6.705	7/27/2022	6.49	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-19	8.341	6.705	7/27/2022	6.55	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-24	8.341	6.705	10/21/2022	6.3	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	7/28/2022	105	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	7/27/2022	419	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	7/26/2022	486	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	7/27/2022	496	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	7/27/2022	118	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-19	78	n/a	7/27/2022	82.7	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	7/27/2022	617	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	8/2/2022	762	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	8/1/2022	528	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	10/21/2022	389	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	7/28/2022	268	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	7/26/2022	88	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-12	469.5	n/a	7/27/2022	952	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-14A	469.5	n/a	7/26/2022	966	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-16	469.5	n/a	7/27/2022	944	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-20	469.5	n/a	7/27/2022	1370	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-22	469.5	n/a	8/2/2022	3440	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-23	469.5	n/a	8/1/2022	2780	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-24	469.5	n/a	10/21/2022	1610	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-30	469.5	n/a	8/1/2022	582	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-7	469.5	n/a	7/28/2022	732	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2

Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 7:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bq N	Bq Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	BGWC-10	0.03848	n/a	7/28/2022	0.52	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-12	0.03848	n/a	7/27/2022	1.2	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-14A	0.03848	n/a	7/26/2022	1.3	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-16	0.03848	n/a	7/27/2022	1.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-17	0.03848	n/a	7/27/2022	1.2	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-18	0.03848	n/a	7/27/2022	0.53	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-19	0.03848	n/a	7/27/2022	0.43	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-20	0.03848	n/a	7/27/2022	3.8	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-21	0.03848	n/a	7/28/2022	0.035J	No	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-22	0.03848	n/a	8/2/2022	21.5	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-23	0.03848	n/a	8/1/2022	14.8	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-24	0.03848	n/a	10/21/2022	19.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-25	0.03848	n/a	7/27/2022	0.051	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-30	0.03848	n/a	8/1/2022	2.7	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-7	0.03848	n/a	7/28/2022	1.1	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-8	0.03848	n/a	7/26/2022	0.052	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Boron (mg/L)	BGWC-9	0.03848	n/a	7/26/2022	0.47	Yes	73	0.1151	0.03777	16.44	Kaplan-Meier	sqrt(x)	0.000396	Param Inter 1 of 2
Calcium (mg/L)	BGWC-10	117	n/a	7/28/2022	63	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-12	117	n/a	7/27/2022	175	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-14A	117	n/a	7/26/2022	185	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-16	117	n/a	7/27/2022	194	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-17	117	n/a	7/27/2022	80.9	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-18	117	n/a	7/27/2022	65.9	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-19	117	n/a	7/27/2022	63.2	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-20	117	n/a	7/27/2022	284	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-21	117	n/a	7/28/2022	43.1	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-22	117	n/a	8/2/2022	717	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-23	117	n/a	8/1/2022	559	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-24	117	n/a	10/21/2022	600	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-25	117	n/a	7/27/2022	52.1	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-30	117	n/a	8/1/2022	111	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-7	117	n/a	7/28/2022	136	Yes	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-8	117	n/a	7/26/2022	41.8	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Calcium (mg/L)	BGWC-9	117	n/a	7/26/2022	66.3	No	73	n/a	n/a	0	n/a	n/a	0.000353	NP Inter (normality) 1 of 2
Chloride (mg/L)	BGWC-10	9.144	n/a	7/28/2022	30	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-12	9.144	n/a	7/27/2022	16.2	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-14A	9.144	n/a	7/26/2022	19.6	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-16	9.144	n/a	7/27/2022	23.1	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-17	9.144	n/a	7/27/2022	43.2	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-18	9.144	n/a	7/27/2022	14.9	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-19	9.144	n/a	7/27/2022	7.8	No	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-20	9.144	n/a	7/27/2022	169	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-21	9.144	n/a	7/28/2022	4.7	No	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-22	9.144	n/a	8/2/2022	828	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-23	9.144	n/a	8/1/2022	794	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-24	9.144	n/a	10/21/2022	836	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-25	9.144	n/a	7/27/2022	6.2	No	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-30	9.144	n/a	8/1/2022	114	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-7	9.144	n/a	7/28/2022	8.9	No	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-8	9.144	n/a	7/26/2022	1.6	No	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Chloride (mg/L)	BGWC-9	9.144	n/a	7/26/2022	10.9	Yes	72	1.861	0.5413	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Fluoride (mg/L)	BGWC-10	0.57	n/a	7/28/2022	0.064J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-12	0.57	n/a	7/27/2022	0.081J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-14A	0.57	n/a	7/26/2022	0.082J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-16	0.57	n/a	7/27/2022	0.091J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-17	0.57	n/a	7/27/2022	0.13	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-18	0.57	n/a	7/27/2022	0.081J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-19	0.57	n/a	7/27/2022	0.071J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-20	0.57	n/a	7/27/2022	0.062J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-21	0.57	n/a	7/28/2022	0.1ND	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-22	0.57	n/a	8/2/2022	0.19	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-23	0.57	n/a	8/1/2022	0.07J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-24	0.57	n/a	10/21/2022	0.14	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-25	0.57	n/a	7/27/2022	0.051J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-30	0.57	n/a	8/1/2022	0.09J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-7	0.57	n/a	7/28/2022	0.16	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-8	0.57	n/a	7/26/2022	0.067J	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2
Fluoride (mg/L)	BGWC-9	0.57	n/a	7/26/2022	0.11	No	83	n/a	n/a	49.4	n/a	n/a	0.0002756	NP Inter (normality) 1 of 2

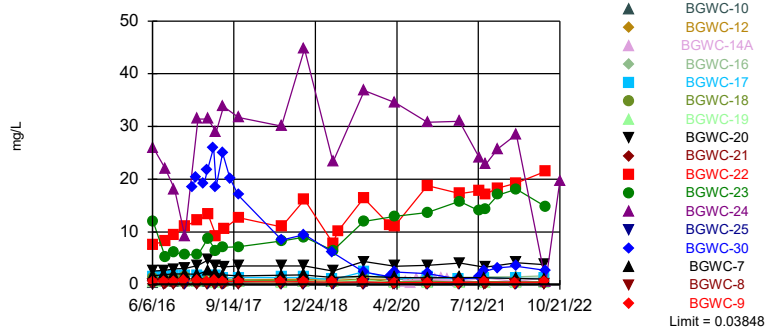
Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 7:53 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (s.u.)	BGWC-10	8.341	6.705	7/28/2022	7.63	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-12	8.341	6.705	7/27/2022	6.85	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-14A	8.341	6.705	7/26/2022	6.78	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-16	8.341	6.705	7/27/2022	6.49	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-17	8.341	6.705	7/27/2022	7.29	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-18	8.341	6.705	7/27/2022	7.02	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-19	8.341	6.705	7/27/2022	6.55	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-20	8.341	6.705	7/27/2022	7.18	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-21	8.341	6.705	7/28/2022	7.85	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-22	8.341	6.705	8/2/2022	6.73	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-23	8.341	6.705	8/1/2022	7	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-24	8.341	6.705	10/21/2022	6.3	Yes	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-25	8.341	6.705	7/27/2022	7.22	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-30	8.341	6.705	8/1/2022	7.21	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-7	8.341	6.705	7/28/2022	6.96	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-8	8.341	6.705	7/26/2022	7.63	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
pH (s.u.)	BGWC-9	8.341	6.705	7/26/2022	7.33	No	84	57.26	5.773	0	None	x^2	0.000198	Param Inter 1 of 2
Sulfate (mg/L)	BGWC-10	78	n/a	7/28/2022	105	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-12	78	n/a	7/27/2022	419	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-14A	78	n/a	7/26/2022	486	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-16	78	n/a	7/27/2022	496	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-17	78	n/a	7/27/2022	118	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-18	78	n/a	7/27/2022	55.5	No	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-19	78	n/a	7/27/2022	82.7	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-20	78	n/a	7/27/2022	617	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-21	78	n/a	7/28/2022	55.3	No	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-22	78	n/a	8/2/2022	762	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-23	78	n/a	8/1/2022	528	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-24	78	n/a	10/21/2022	389	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-25	78	n/a	7/27/2022	12.6	No	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-30	78	n/a	8/1/2022	63.3	No	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-7	78	n/a	7/28/2022	268	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-8	78	n/a	7/26/2022	31.6	No	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Sulfate (mg/L)	BGWC-9	78	n/a	7/26/2022	88	Yes	72	n/a	n/a	0	n/a	n/a	0.0003615	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/L)	BGWC-10	469.5	n/a	7/28/2022	338	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-12	469.5	n/a	7/27/2022	952	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-14A	469.5	n/a	7/26/2022	966	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-16	469.5	n/a	7/27/2022	944	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-17	469.5	n/a	7/27/2022	438	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-18	469.5	n/a	7/27/2022	307	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-19	469.5	n/a	7/27/2022	338	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-20	469.5	n/a	7/27/2022	1370	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-21	469.5	n/a	7/28/2022	259	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-22	469.5	n/a	8/2/2022	3440	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-23	469.5	n/a	8/1/2022	2780	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-24	469.5	n/a	10/21/2022	1610	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-25	469.5	n/a	7/27/2022	231	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-30	469.5	n/a	8/1/2022	582	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-7	469.5	n/a	7/28/2022	732	Yes	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-8	469.5	n/a	7/26/2022	196	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2
Total Dissolved Solids (mg/L)	BGWC-9	469.5	n/a	7/26/2022	349	No	71	14.68	3.248	0	None	sqrt(x)	0.000396	Param Inter 1 of 2

Exceeds Limit: BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-19, BGWC-20, BGWC-22, BGWC-23...

Prediction Limit Interwell Parametric

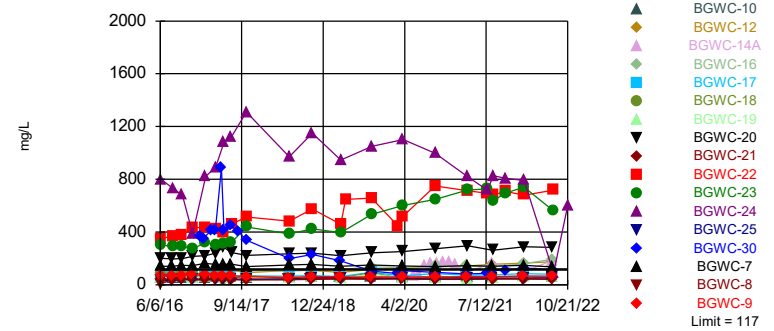


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.1151, Std. Dev.=0.03777, n=73, 16.44% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9687, critical = 0.956. Kappa = 2.147 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 17 points to limit. Assumes 2 future values.

Constituent: Boron Analysis Run 11/15/2022 7:47 PM View: Interwell PL Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-7

Prediction Limit Interwell Non-parametric

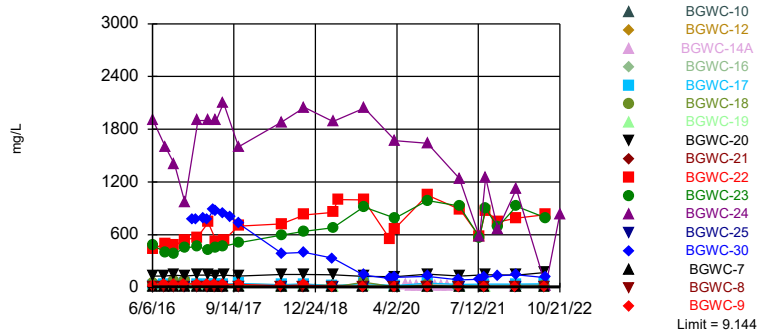


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 73 background values. Annual per-constituent alpha = 0.01333. Individual comparison alpha = 0.000353 (1 of 2). Comparing 17 points to limit. Assumes 2 future values.

Constituent: Calcium Analysis Run 11/15/2022 7:47 PM View: Interwell PL Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-18, BGWC-20, BGWC-22, BGWC-23, BGWC-24...

Prediction Limit Interwell Parametric



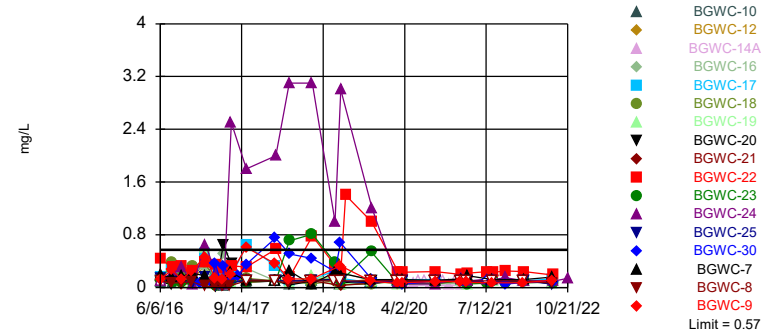
Background Data Summary (based on square root transformation): Mean=1.861, Std. Dev.=0.5413, n=72. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9698, critical = 0.954. Kappa = 2.148 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 17 points to limit. Assumes 2 future values.

Constituent: Chloride Analysis Run 11/15/2022 7:47 PM View: Interwell PL Plant Bowen Client: Southern Company Data: Bowen AP-1

Within Limit

Hollow symbols indicate censored values.

Prediction Limit Interwell Non-parametric

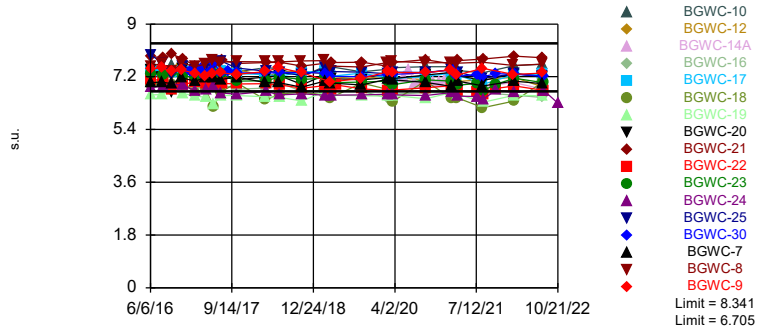


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 83 background values. 49.4% NDs. Annual per-constituent alpha = 0.01042. Individual comparison alpha = 0.0002756 (1 of 2). Comparing 17 points to limit. Assumes 2 future values.

Constituent: Fluoride Analysis Run 11/15/2022 7:47 PM View: Interwell PL Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limits: BGWC-16, BGWC-19, BGWC-24

Prediction Limit
Interwell Parametric

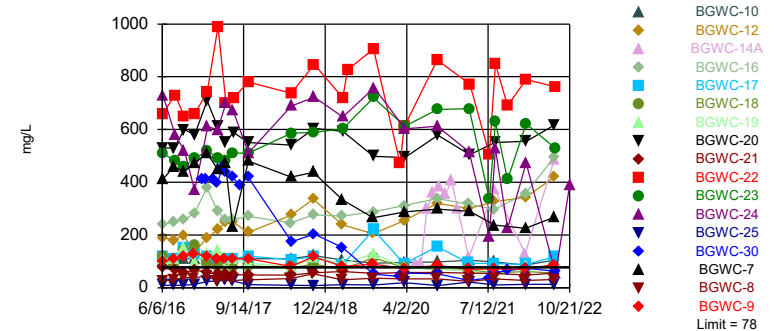


Background Data Summary (based on square transformation): Mean=57.26, Std. Dev.=5.773, n=84. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9604, critical = 0.96. Kappa = 2.132 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000198. Comparing 17 points to limit. Assumes 2 future values.

Constituent: pH Analysis Run 11/15/2022 7:47 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-19, BGWC-20, BGWC-22, BGWC-23, BGWC-24...

Prediction Limit
Interwell Non-parametric

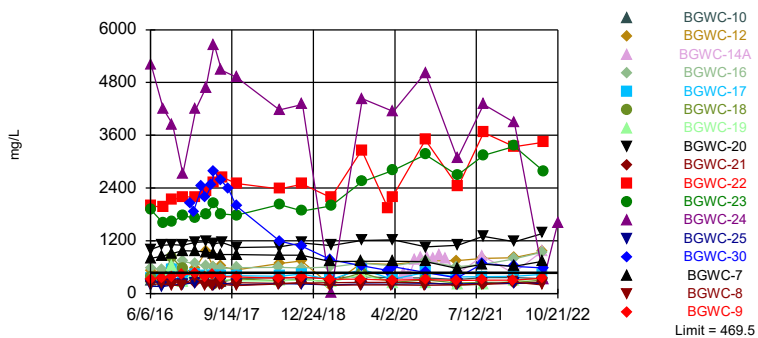


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 72 background values. Annual per-constituent alpha = 0.01365. Individual comparison alpha = 0.0003615 (1 of 2). Comparing 17 points to limit. Assumes 2 future values.

Constituent: Sulfate Analysis Run 11/15/2022 7:47 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Exceeds Limit: BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30, BGWC-7

Prediction Limit
Interwell Parametric



Background Data Summary (based on square root transformation): Mean=14.68, Std. Dev.=3.248, n=71. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9587, critical = 0.953. Kappa = 2.15 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. Comparing 17 points to limit. Assumes 2 future values.

Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:47 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-18
6/6/2016	<0.04	0.55							
6/7/2016			1.7	1.5	1.1	0.37	0.02		
6/8/2016								0.49	1.2
6/9/2016									
8/9/2016	0.0336 (J)								
8/10/2016							0.117		
8/11/2016		0.612	1.37	1.41					
8/12/2016					0.867			0.647	0.895
8/15/2016									
8/16/2016						0.525			
8/18/2016									
8/22/2016									
10/3/2016	0.0226 (J)								
10/4/2016							0.177		
10/5/2016		0.659							
10/6/2016					0.863				
10/7/2016			1.49	1.76		0.492		0.868	1.33
10/10/2016									
11/29/2016	0.0085 (J)								
12/1/2016									
12/2/2016							0.0668		
12/5/2016		0.71			0.879				
12/6/2016			1.65	1.79		0.515			1.5
12/7/2016							0.51		
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	<0.04								
2/14/2017							0.122		
2/15/2017		0.707			0.886				
2/16/2017			1.73	1.63		0.482		0.68	0.753
2/17/2017									
2/20/2017									
3/27/2017									
4/13/2017	0.0084 (J)								
4/14/2017							0.054		
4/17/2017		0.675							
4/18/2017			1.77		0.941	0.515			
4/19/2017				1.47				0.701	0.762
4/20/2017									
5/22/2017									
5/25/2017	0.01 (J)								
5/26/2017		0.711					0.0817		
5/30/2017			1.52	1.7					
6/1/2017								0.383	0.663
6/2/2017					1.02	0.513			
6/5/2017									
7/7/2017	0.009 (J)								
7/10/2017							0.0534		
7/11/2017		0.633							
7/12/2017						0.508			

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-21	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
11/10/2020									
12/15/2020									
1/20/2021									
3/23/2021								<-0.04	
3/24/2021									
3/25/2021									1.1
3/26/2021				0.17		31	15.8		
3/29/2021	4.1	17.3	0.038 (J)						
3/30/2021					1.4				
4/1/2021									
7/19/2021		17.8				24	14		
7/20/2021									1.4
8/16/2021								<-0.04	
8/18/2021									
8/19/2021				0.038 (J)	1.3				2.6
8/20/2021	3.3		0.045						
8/23/2021		17.2				22.8	14.4		
8/25/2021									
11/1/2021		18.3				25.8	17		3.2
2/9/2022									
2/10/2022								0.012 (J)	
2/11/2022					1.2				
2/14/2022							18.1		3.5
2/15/2022		19.3				28.5			
2/16/2022	4.2		0.053	0.048					
7/26/2022								0.013 (J)	
7/27/2022	3.8			0.051					
7/28/2022			0.035 (J)		1.1				
8/1/2022							14.8		2.7
8/2/2022		21.5				0.52			
8/3/2022									
10/21/2022						19.7 (R)			

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWC-14A BGWA-47D (bg) BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
4/1/2019				
4/2/2019				
4/3/2019	0.66 (o)			
4/4/2019				
5/2/2019				
7/9/2019	0.027 (J)			
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	0.033 (J)			
9/30/2019				
2/19/2020				
2/21/2020	0.02 (J)			
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	0.043 (J)			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		0.54	0.024 (J)	
5/25/2020				0.018 (J)
6/23/2020		0.45	0.019 (J)	0.015 (J)
7/28/2020		0.97	0.03 (J)	0.024 (J)
9/2/2020		1.1	0.022 (J)	
9/3/2020				0.022 (J)
9/23/2020				
9/24/2020				
9/25/2020	0.02 (J)			
9/28/2020				
10/1/2020		1.2	0.025 (J)	0.027 (J)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
11/10/2020		1.1	0.025 (J)	0.032 (J)
12/15/2020		1.2	0.031 (J)	0.034 (J)
1/20/2021		1.1	0.022 (J)	0.034 (J)
3/23/2021				
3/24/2021		0.6		
3/25/2021			0.017 (J)	0.026 (J)
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	0.0069 (J)			
7/19/2021				
7/20/2021				
8/16/2021			0.021 (J)	0.034 (J)
8/18/2021		1.3		
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	0.0093 (J)			
11/1/2021				
2/9/2022		0.57	0.017 (J)	0.038 (J)
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	0.01 (J)			
7/26/2022		1.3	0.022 (J)	0.017 (J)
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	0.015 (J)			
10/21/2022				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-18
6/6/2016	39	66							
6/7/2016			120	65	90	50	7.9		
6/8/2016								55	76
6/9/2016									
8/9/2016	32.2								
8/10/2016							36.8		
8/11/2016		65.2	111	61					
8/12/2016					76.6			61.2	61.7
8/15/2016									
8/16/2016						49.2			
8/18/2016									
8/22/2016									
10/3/2016	34.1								
10/4/2016							39.7		
10/5/2016		66.7							
10/6/2016					78.7				
10/7/2016			103	71		52.6		70.2	84.7
10/10/2016									
11/29/2016	29.7								
12/1/2016									
12/2/2016							37.8		
12/5/2016		74.6			80.9				
12/6/2016			117	68.7		55.4			88.1
12/7/2016								48.6	
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	31.2								
2/14/2017							35.2		
2/15/2017		74.6			90.7				
2/16/2017			124	65.5		53.2		64.7	53.7
2/17/2017									
2/20/2017									
3/27/2017									
4/13/2017	30.5								
4/14/2017							37.5		
4/17/2017		65.6							
4/18/2017			120		94.8	58			
4/19/2017				68.9				69.5	57.1
4/20/2017									
5/22/2017									
5/25/2017	33.8								
5/26/2017		70.4					41.7		
5/30/2017			111	72.6					
6/1/2017								50.8	44.8
6/2/2017					108	55.8			
6/5/2017									
7/7/2017	33.1								
7/10/2017							39		
7/11/2017		66.9							
7/12/2017						58.1			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-21	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
12/15/2020									
1/20/2021									
3/23/2021								22.1	
3/24/2021									
3/25/2021									81.1
3/26/2021				52.8		821	717		
3/29/2021	296	714	46.6						
3/30/2021					145				
4/1/2021									
7/19/2021		693				717	728		
7/20/2021									87.8
8/16/2021								21.5	
8/18/2021									
8/19/2021				51.2	141				109
8/20/2021	262		45.1						
8/23/2021		681				827	638		
8/25/2021									
11/1/2021		708				808	695		108
2/9/2022									
2/10/2022								20.3	
2/11/2022					148				
2/14/2022							740		129
2/15/2022		680				791			
2/16/2022	288		44.1	51.4					
7/26/2022								20	
7/27/2022	284			52.1					
7/28/2022			43.1		136				
8/1/2022							559		111
8/2/2022		717				90			
8/3/2022									
10/21/2022						600 (R)			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWC-14A BGWA-47D (bg) BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
4/1/2019				
4/2/2019				
4/3/2019	44.9			
4/4/2019				
5/2/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	41.2			
9/30/2019				
2/19/2020				
2/21/2020	50.1			
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	52.2			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		73.4	74	
5/25/2020				36.5
6/23/2020		80.1	99.5	39.4
7/28/2020		140	96.2	40.3
9/2/2020		159	109	
9/3/2020				51.8
9/23/2020				
9/24/2020				
9/25/2020	51.8			
9/28/2020				
10/1/2020		162	107	61.9
11/10/2020		170	117	80.3

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
12/15/2020		169	110	70.3
1/20/2021		157	111	67.5
3/23/2021				
3/24/2021		91.9		
3/25/2021			109	68.3
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	49.5			
7/19/2021				
7/20/2021				
8/16/2021			108	61
8/18/2021		166		
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	46.3			
11/1/2021				
2/9/2022		97.5	112	46.3
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	47.5			
7/26/2022		185	105	34.5
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	69.4			
10/21/2022				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-18
6/6/2016	2.9	27							
6/7/2016			37	26	44	19	2		
6/8/2016								23	48
6/9/2016									
8/9/2016	2.5								
8/10/2016							2.1		
8/11/2016		30	41	34					
8/12/2016					43			26	27
8/15/2016									
8/16/2016						20			
8/18/2016									
8/22/2016									
10/3/2016	2.5								
10/4/2016							2.3		
10/5/2016		36							
10/6/2016					41				
10/7/2016			44	38		21		41	72
10/10/2016									
11/29/2016	2.6								
12/1/2016									
12/2/2016							2.1		
12/5/2016		40			41				
12/6/2016			48	45		22			73
12/7/2016								23	
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	2.1								
2/14/2017							2		
2/15/2017		38			39				
2/16/2017			46	40		22		31	19
2/17/2017									
2/20/2017									
3/27/2017									
4/13/2017	2.1								
4/14/2017							1.7		
4/17/2017		35							
4/18/2017			41		39	21			
4/19/2017				38				30	13
4/20/2017									
5/22/2017									
5/25/2017	2.4								
5/26/2017		35					1.6		
5/30/2017			38	41					
6/1/2017								13	8
6/2/2017					37	20			
6/5/2017									
7/7/2017	1.9								
7/10/2017							1.5		
7/11/2017		33							
7/12/2017						23			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-21	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
12/15/2020									
1/20/2021									
3/23/2021								1.2	
3/24/2021									
3/25/2021									85.5
3/26/2021				5.7		1240	928		
3/29/2021	131	886	5						
3/30/2021					8.8				
4/1/2021									
7/19/2021		579				575	570		
7/20/2021									95.3
8/16/2021								1.1	
8/18/2021									
8/19/2021				5.1	7.6				117
8/20/2021	144		4.4						
8/23/2021		879				1250	898		
8/25/2021									
11/1/2021		744				661	688		133
2/9/2022									
2/10/2022								1.2	
2/11/2022					8				
2/14/2022							925		146
2/15/2022		789				1120			
2/16/2022	141		4	5.7					
7/26/2022								0.97 (J)	
7/27/2022	169			6.2					
7/28/2022			4.7		8.9				
8/1/2022							794		114
8/2/2022		828				17.1			
8/3/2022									
10/21/2022						836 (R)			

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWC-14A BGWA-47D (bg) BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
4/1/2019				
4/2/2019				
4/3/2019	5.2			
4/4/2019				
5/2/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	394 (o)			
9/30/2019				
2/19/2020				
2/21/2020	2.6			
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	4			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		32	6.6	
5/25/2020				4
6/23/2020		15.7	5.9	5.5
7/28/2020		20.6	5.9	4.6
9/2/2020		18.9	6	
9/3/2020				6.3
9/23/2020				
9/24/2020				
9/25/2020	3.3			
9/28/2020				
10/1/2020		18.6	6	7.5
11/10/2020		19.6	5.5	7.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
12/15/2020		20.7	6.3	8
1/20/2021		21.9	5.7	7.2
3/23/2021				
3/24/2021		14.1		
3/25/2021			5.7	7.5
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	2.9			
7/19/2021				
7/20/2021				
8/16/2021			5.7	8
8/18/2021		17.1		
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	3.3			
11/1/2021				
2/9/2022		10.8	5.4	8.9
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	2.8			
7/26/2022		19.6	5.5	4.6
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	3.4			
10/21/2022				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-18
6/6/2016	0.11 (J)	0.12 (J)							
6/7/2016			<0.1	0.15 (J)	<0.1	0.09 (J)	<0.1		
6/8/2016								<0.1	0.1 (J)
6/9/2016									
8/9/2016	0.09 (J)								
8/10/2016							0.07 (J)		
8/11/2016		0.27 (J)	0.12 (J)	0.3 (J)					
8/12/2016					0.08 (J)			0.2 (J)	0.39
8/15/2016									
8/16/2016						0.09 (J)			
8/18/2016									
8/22/2016									
10/3/2016	0.11 (J)								
10/4/2016							0.07 (J)		
10/5/2016		0.12 (J)							
10/6/2016					0.06 (J)				
10/7/2016			0.08 (J)	0.14 (J)		0.17 (J)		0.07 (J)	0.16 (J)
10/10/2016									
11/29/2016	0.11 (J)								
12/1/2016									
12/2/2016							0.09 (J)		
12/5/2016		0.26 (J)			0.12 (J)				
12/6/2016			0.24 (J)	0.19 (J)		0.16 (J)			0.32
12/7/2016								0.09 (J)	
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	0.12 (J)								
2/14/2017							0.02 (J)		
2/15/2017		0.46			0.33				
2/16/2017			0.31	0.51		0.38		0.6	0.38
2/17/2017									
2/20/2017									
3/27/2017									
4/13/2017	0.1 (J)								
4/14/2017							0.02 (J)		
4/17/2017		0.14 (J)							
4/18/2017			0.02 (J)		0.006 (J)	0.12 (J)			
4/19/2017				0.18 (J)				0.09 (J)	0.08 (J)
4/20/2017									
5/22/2017									
5/25/2017	0.08 (J)								
5/26/2017		0.13 (J)					0.02 (J)		
5/30/2017			0.51	0.15 (J)					
6/1/2017								0.05 (J)	0.09 (J)
6/2/2017					0.04 (J)	0.03 (J)			
6/5/2017									
7/7/2017	0.13 (J)								
7/10/2017							0.03 (J)		
7/11/2017		0.2 (J)							
7/12/2017						0.15 (J)			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-21	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
5/25/2020									
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								<0.1	
9/24/2020		0.24	<0.1				0.062 (J)		
9/25/2020					0.11	0.054 (J)			<0.1
9/28/2020	<0.1			<0.1					
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
2/16/2021								<0.1	
2/17/2021									
2/18/2021	<0.1				0.13				
2/19/2021		0.2	<0.1			0.14	<0.1		
2/23/2021				<0.1					
3/8/2021									<0.1
3/23/2021								<0.1	
3/24/2021									
3/25/2021									<0.1
3/26/2021				<0.1		0.095 (J)	0.054 (J)		
3/29/2021	<0.1	0.22	<0.1						
3/30/2021					0.18				
4/1/2021									
7/19/2021		0.24				0.13	0.065 (J)		
7/20/2021									<0.1
8/16/2021								<0.1	
8/18/2021									
8/19/2021				<0.1	0.12				<0.1
8/20/2021	<0.1		<0.1						
8/23/2021		0.23				0.12	<0.1		
8/25/2021									
11/1/2021		0.25				0.15	0.068 (J)		0.055 (J)
2/9/2022									
2/10/2022								<0.1	
2/11/2022					0.12				
2/14/2022							<0.1		0.075 (J)
2/15/2022		0.24				<0.1			
2/16/2022	<0.1		<0.1	<0.1					
7/26/2022								0.058 (J)	
7/27/2022	0.062 (J)			0.051 (J)					
7/28/2022			<0.1		0.16				
8/1/2022							0.07 (J)		0.09 (J)
8/2/2022		0.19				0.097 (J)			
8/3/2022									
10/21/2022						0.14 (R)			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
3/26/2018				
3/27/2018				
3/28/2018				
3/29/2018				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
2/25/2019				
2/27/2019				
2/28/2019				
3/1/2019				
4/1/2019				
4/2/2019				
4/3/2019	0.085 (J)			
4/4/2019				
5/2/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	0.33			
9/30/2019				
2/18/2020				
2/19/2020				
2/20/2020				
2/21/2020	0.059 (J)			
2/24/2020				
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	0.061 (J)			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		0.054 (J)	0.065 (J)	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
5/25/2020				0.19 (J)
6/23/2020		<0.1	<0.1	0.19
7/28/2020		<0.1	<0.1	0.57
9/2/2020		<0.1	0.061 (J)	
9/3/2020				0.11
9/23/2020				
9/24/2020				
9/25/2020	0.068 (J)			
9/28/2020				
10/1/2020		<0.1	<0.1	0.063 (J)
11/10/2020		<0.1	<0.1	<0.1
12/15/2020		<0.1	0.052	<0.1
1/20/2021		<0.1	<0.1	<0.1
2/16/2021				
2/17/2021		<0.1		<0.1
2/18/2021			0.055 (J)	
2/19/2021	0.062 (J)			
2/23/2021				
3/8/2021				
3/23/2021				
3/24/2021			<0.1	
3/25/2021		<0.1		<0.1
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	0.06 (J)			
7/19/2021				
7/20/2021				
8/16/2021		<0.1		<0.1
8/18/2021			<0.1	
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	0.088 (J)			
11/1/2021				
2/9/2022		<0.1	<0.1	0.065 (J)
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	0.061 (J)			
7/26/2022		0.064 (J)	0.082 (J)	0.086 (J)
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	0.079 (J)			
10/21/2022				

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/15/2022 7:53 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-18
6/6/2016	7.69	7.46							
6/7/2016			6.99	7.41	7.56	7.49	7.55		
6/8/2016								6.58	6.93
6/9/2016									
8/9/2016	7.72								
8/10/2016							7.66		
8/11/2016		7.51	6.93	7.39					
8/12/2016					7.47			6.59	6.98
8/15/2016						7.51			
8/18/2016									
8/22/2016									
10/3/2016	7.74								
10/4/2016									
10/5/2016		7.37					7.37		
10/6/2016					7.26	7.58			
10/7/2016			6.79	7.33				6.77	6.91
10/10/2016									
11/29/2016	7.74								
12/1/2016									
12/2/2016							7.67		
12/5/2016		7.42			7.58				
12/6/2016			6.95	7.4		7.44			7.06
12/7/2016								6.63	
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	7.63								
2/14/2017							7.54		
2/15/2017		7.32			7.32				
2/16/2017			6.8	7.21		7.21		6.55	6.62
2/17/2017									
2/20/2017									
3/27/2017									
4/13/2017	7.57								
4/14/2017							7.63		
4/17/2017		7.23							
4/18/2017			6.9		7.31	7.39			
4/19/2017				7.06				6.5	6.75
4/20/2017									
5/22/2017									
5/25/2017	7.84								
5/26/2017		7.29					7.76		
5/30/2017			6.99	7.51					
6/1/2017								6.27	6.18
6/2/2017					7.36	7.38			
6/5/2017									
7/7/2017	7.82								
7/10/2017							7.7		
7/11/2017		7.34							
7/12/2017						7.37			
7/13/2017					7.24				

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/15/2022 7:53 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-21	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
6/6/2016									
6/7/2016									
6/8/2016	7.45	7.1	7.88	7.95	7				
6/9/2016						6.83	7.3		
8/9/2016									
8/10/2016					7.02				
8/11/2016									
8/12/2016	7.18								
8/15/2016				7.66					
8/18/2016		7.1	7.86			6.88	7.27		
8/22/2016								7.91	
10/3/2016								7.81	
10/4/2016									
10/5/2016					6.96				
10/6/2016									
10/7/2016									
10/10/2016	6.66	6.77	7.96	7.26		6.95	7.35		
11/29/2016									
12/1/2016								8.06	
12/2/2016									
12/5/2016					7.16				
12/6/2016									
12/7/2016	7.46					6.91	7.23		
12/8/2016		6.94	7.82	7.55					
1/10/2017								7.97	
1/23/2017									7.39
2/7/2017									7.35
2/13/2017									
2/14/2017								7.89	
2/15/2017					7.05				
2/16/2017									
2/17/2017	7.17	7.02	7.56						
2/20/2017				7.45		6.71	7.17		
3/27/2017									7.46
4/13/2017									
4/14/2017								7.86	
4/17/2017					7.17				7.19
4/18/2017									
4/19/2017	7.01		7.42			6.76	7.22		
4/20/2017		6.95		7.58					
5/22/2017									7.4
5/25/2017								8.11	
5/26/2017									
5/30/2017									
6/1/2017	7.18		7.61	7.65	7.17				
6/2/2017									
6/5/2017		7.07				6.87	7.31		7.69
7/7/2017									
7/10/2017								8.12	
7/11/2017									7.29
7/12/2017									
7/13/2017					7.11				

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-21	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
6/23/2020									
7/28/2020									
9/2/2020									
9/3/2020									
9/23/2020								8.08	
9/24/2020		6.82	7.78				7.09		
9/25/2020					7.01	6.56			7.34
9/28/2020	7.26			7.35					
10/1/2020									
11/10/2020									
12/15/2020									
1/20/2021									
2/16/2021								8	
2/17/2021									
2/18/2021	7.35				6.88				
2/19/2021		6.9	7.64			6.66	7.05		
2/23/2021				7.44					
3/8/2021									7.44
3/23/2021								8	
3/24/2021									
3/25/2021									7.21
3/26/2021				7.36		6.54	6.91		
3/29/2021	7.24	6.71	7.75						
3/30/2021					7.05				
4/1/2021									
7/19/2021		6.67				6.53	6.98		
7/20/2021									7.28
8/16/2021								7.6	
8/18/2021									
8/19/2021				7.15	6.89				7.2
8/20/2021	7.07		7.8						
8/23/2021		6.59				6.44	6.73		
8/25/2021									
11/1/2021		6.8				6.75	6.94		7.3
2/9/2022									
2/10/2022								8.09	
2/11/2022					7.05				
2/14/2022							7.15		7.29
2/15/2022		6.89				6.66			
2/16/2022	7.31		7.9	7.3					
7/26/2022								7.92	
7/27/2022	7.18			7.22					
7/28/2022			7.85		6.96				
8/1/2022							7		7.21
8/2/2022		6.73				6.73			
8/3/2022									
10/21/2022						6.3			

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017
7/13/2017

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
3/26/2018				
3/27/2018				
3/28/2018				
3/29/2018				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
2/25/2019				
2/27/2019				
2/28/2019				
3/1/2019				
4/1/2019				
4/2/2019	7.67			
4/3/2019				
4/4/2019				
5/2/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	7.75			
9/30/2019				
2/18/2020				
2/19/2020				
2/20/2020				
2/21/2020	7.54			
2/24/2020				
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	7.53			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		7.15	7.2	
5/25/2020				7.45

Prediction Limit

Constituent: pH (s.u.) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
6/23/2020		7 (D)	7.41 (D)	7.46 (D)
7/28/2020		6.98	6.98	7.79
9/2/2020		6.95	6.97	
9/3/2020				7.35
9/23/2020				
9/24/2020				
9/25/2020	7.62			
9/28/2020	7.02			
10/1/2020		6.94	7.08	7.41
11/10/2020		6.89	7	7.17
12/15/2020		7.04	7.02	7.37
1/20/2021		6.83	7.12	7.31
2/16/2021				
2/17/2021		6.89		7.21
2/18/2021			7.14	
2/19/2021	7.73			
2/23/2021				
3/8/2021				
3/23/2021				
3/24/2021			7.04	
3/25/2021		6.94		7.22
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	7.75			
7/19/2021				
7/20/2021				
8/16/2021		6.8		7.13
8/18/2021			6.86	
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	7.52			
11/1/2021				
2/9/2022		6.86	7.01	7.16
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	7.2			
7/26/2022		6.75	6.78	7.37
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	6.89			
10/21/2022				

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-16	BGWC-17	BGWC-12	BGWC-10	BGWC-8	BGWC-19	BGWC-18
6/6/2016	8	100							
6/7/2016			240	120	190	99	26		
6/8/2016								110	120
6/9/2016									
8/9/2016	6.5								
8/10/2016							29		
8/11/2016		110	250	110					
8/12/2016					180			110	81
8/15/2016									
8/16/2016						110			
8/18/2016									
8/22/2016									
10/3/2016	5.7								
10/4/2016							40		
10/5/2016		120							
10/6/2016					200				
10/7/2016			260	150		110		150	140
10/10/2016									
11/29/2016	5.2								
12/1/2016									
12/2/2016							37		
12/5/2016		130			130				
12/6/2016			280	130		110			160
12/7/2016								97	
12/8/2016									
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	6.4								
2/14/2017							45		
2/15/2017		120			190				
2/16/2017			380	120		110		130	92
2/17/2017									
2/20/2017									
3/27/2017									
4/13/2017	4.9								
4/14/2017							27		
4/17/2017		110							
4/18/2017			290		220	110			
4/19/2017				110				140	80
4/20/2017									
5/22/2017									
5/25/2017	5.7								
5/26/2017		110					34		
5/30/2017			260	110					
6/1/2017								70	73
6/2/2017					250	110			
6/5/2017									
7/7/2017	6.3								
7/10/2017							28		
7/11/2017		110							
7/12/2017						110			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-21	BGWC-25	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
12/15/2020									
1/20/2021									
3/23/2021								4.6	
3/24/2021									
3/25/2021									28.1
3/26/2021				21.3		515	679		
3/29/2021	504	772	55.2						
3/30/2021					290				
4/1/2021									
7/19/2021		506				194	335		
7/20/2021									37.2
8/16/2021								4.8	
8/18/2021									
8/19/2021				10.2	237				58.2
8/20/2021	550		54.6						
8/23/2021		848				527	628		
8/25/2021									
11/1/2021		690				225	410		65.5
2/9/2022									
2/10/2022								1.9	
2/11/2022					225				
2/14/2022							622		74.4
2/15/2022		789				473			
2/16/2022	555		48.7	13.7					
7/26/2022								3.6	
7/27/2022	617			12.6					
7/28/2022			55.3		268				
8/1/2022							528		63.3
8/2/2022		762				52.8			
8/3/2022									
10/21/2022						389 (R)			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWC-14A BGWA-47D (bg) BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
4/1/2019				
4/2/2019				
4/3/2019	26.2			
4/4/2019				
5/2/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	200 (o)			
9/30/2019				
2/19/2020				
2/21/2020	23.5			
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	26.1			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		92.6	53.5	
5/25/2020				43.3
6/23/2020		88.7	64.5	59.7
7/28/2020		300	65.7	15.8
9/2/2020		360	70.2	
9/3/2020				24.4
9/23/2020				
9/24/2020				
9/25/2020	22.6			
9/28/2020				
10/1/2020		382	70.2	26.6
11/10/2020		354	68.9	24.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWC-14A	BGWA-47D (bg)	BGWA-48D (bg)
12/15/2020		406	78	28.3
1/20/2021		299	73.4	26.1
3/23/2021				
3/24/2021		115		
3/25/2021			74.5	22
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	24.6			
7/19/2021				
7/20/2021				
8/16/2021			74.5	6.7
8/18/2021		375		
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	25			
11/1/2021				
2/9/2022		130	72.7	19.1
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	22.8			
7/26/2022		486	74.9	20.8
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	4.6			
10/21/2022				

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-2 (bg)	BGWC-9	BGWC-10	BGWC-12	BGWC-8	BGWC-17	BGWC-16	BGWC-21	BGWC-19
6/6/2016	170	320							
6/7/2016			300	510	200	360	580		
6/8/2016								260	340
6/9/2016									
8/9/2016	183								
8/10/2016					228				
8/11/2016		361				340	548		
8/12/2016				476					326
8/15/2016									
8/16/2016			286						
8/18/2016								239	
8/22/2016									
10/3/2016	201								
10/4/2016					186				
10/5/2016		376							
10/6/2016				524					
10/7/2016			513			533	617		621
10/10/2016								239	
11/29/2016	109								
12/1/2016									
12/2/2016					183				
12/5/2016		426		489					
12/6/2016			421			413	730		
12/7/2016									269
12/8/2016								255	
1/10/2017									
1/23/2017									
2/7/2017									
2/13/2017	214								
2/14/2017					367				
2/15/2017		452		562					
2/16/2017			433			434	685		488
2/17/2017								236	
2/20/2017									
3/27/2017									
4/13/2017	211								
4/14/2017					184				
4/17/2017		388							
4/18/2017			349	955			621		
4/19/2017						415		247	396
4/20/2017									
5/22/2017									
5/25/2017	173								
5/26/2017		423			179				
5/30/2017						391	601		
6/1/2017								185	266
6/2/2017			313	602					
6/5/2017									
7/7/2017	165								
7/10/2017					211				
7/11/2017		387							
7/12/2017			255						

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-18	BGWC-25	BGWC-20	BGWC-7	BGWC-24	BGWC-23	BGWA-29 (bg)	BGWC-30
1/20/2021									
3/23/2021								108	
3/24/2021		240							
3/25/2021									358
3/26/2021			215			3070	2690		
3/29/2021	2430			1100					
3/30/2021					570				
4/1/2021									
8/16/2021								101	
8/18/2021									
8/19/2021		252	235		666				682
8/20/2021				1300					
8/23/2021	3660					4300	3140		
8/25/2021									
2/9/2022									
2/10/2022								96	
2/11/2022					618				
2/14/2022							3350		618
2/15/2022	3340					3890			
2/16/2022		253	235	1180					
7/26/2022								114	
7/27/2022		307	231	1370					
7/28/2022					732				
8/1/2022							2780		582
8/2/2022	3440					334			
8/3/2022									
10/21/2022						1610			

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

BGWA-33 (bg) BGWA-47D (bg) BGWC-14A BGWA-48D (bg)

6/6/2016
6/7/2016
6/8/2016
6/9/2016
8/9/2016
8/10/2016
8/11/2016
8/12/2016
8/15/2016
8/16/2016
8/18/2016
8/22/2016
10/3/2016
10/4/2016
10/5/2016
10/6/2016
10/7/2016
10/10/2016
11/29/2016
12/1/2016
12/2/2016
12/5/2016
12/6/2016
12/7/2016
12/8/2016
1/10/2017
1/23/2017
2/7/2017
2/13/2017
2/14/2017
2/15/2017
2/16/2017
2/17/2017
2/20/2017
3/27/2017
4/13/2017
4/14/2017
4/17/2017
4/18/2017
4/19/2017
4/20/2017
5/22/2017
5/25/2017
5/26/2017
5/30/2017
6/1/2017
6/2/2017
6/5/2017
7/7/2017
7/10/2017
7/11/2017
7/12/2017

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
7/13/2017				
7/14/2017				
7/17/2017				
7/18/2017				
7/19/2017				
8/23/2017				
10/9/2017				
10/10/2017				
10/11/2017				
10/12/2017				
6/12/2018				
6/13/2018				
6/14/2018				
6/15/2018				
10/16/2018				
10/17/2018				
10/18/2018				
10/19/2018				
10/22/2018				
4/1/2019				
4/2/2019				
4/3/2019	235			
4/4/2019				
9/23/2019				
9/24/2019				
9/25/2019				
9/26/2019				
9/27/2019	275			
9/30/2019				
2/19/2020				
2/21/2020	229			
2/25/2020				
2/26/2020				
3/18/2020				
3/19/2020				
3/20/2020	229			
3/23/2020				
3/24/2020				
3/25/2020				
5/22/2020		357	454	
5/25/2020				249
6/23/2020		383	423	280
7/28/2020		410	768	264
9/2/2020		389	814	
9/3/2020				303
9/23/2020				
9/24/2020				
9/25/2020	233			
9/28/2020				
10/1/2020		384	824	301
11/10/2020		405	800	305
12/15/2020		385	876	289

Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 11/15/2022 7:53 PM View: Interwell PL
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-33 (bg)	BGWA-47D (bg)	BGWC-14A	BGWA-48D (bg)
1/20/2021		377	786	285
3/23/2021				
3/24/2021			445	
3/25/2021		415		331
3/26/2021				
3/29/2021				
3/30/2021				
4/1/2021	183			
8/16/2021		399		269
8/18/2021			850	
8/19/2021				
8/20/2021				
8/23/2021				
8/25/2021	208			
2/9/2022		403	468	290
2/10/2022				
2/11/2022				
2/14/2022				
2/15/2022				
2/16/2022	208			
7/26/2022		402	966	246
7/27/2022				
7/28/2022				
8/1/2022				
8/2/2022				
8/3/2022	287			
10/21/2022				

FIGURE E.

Appendix III Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 8:18 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWC-12	0.05103	90	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.07488	-95	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.795	160	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.856	154	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.004415	78	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.891	-131	-92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.1574	-113	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.04004	-92	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.945	115	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.17	146	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	6.772	87	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	13.98	113	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	59.98	182	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	78.86	160	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.1487	-135	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.301	113	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-5.329	-158	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-4.056	-110	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	57.74	130	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	95.49	138	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-146	-94	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-150.4	-143	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-9	-5.154	-104	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1588	-54	-43	Yes	13	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06548	-161	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-24	-0.05117	-165	-118	Yes	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.439	131	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-47D (bg)	8.354	44	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	30.17	119	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	14.92	96	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-19	-9.18	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-40.5	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-7.855	-94	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	55.89	105	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	227.7	93	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	238.1	121	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-394.4	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-53.6	-103	-74	Yes	19	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 8:18 PM

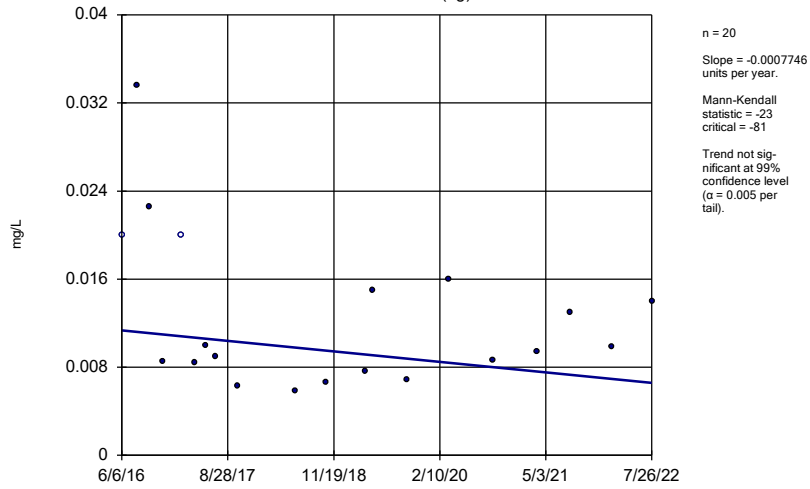
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	-0.0007746	-23	-81	No	20	10	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	-23	-81	No	20	50	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-33 (bg)	-0.0068	-15	-25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-0.002093	-17	-38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-48D (bg)	0.01071	31	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-10	0.001358	13	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-12	0.05103	90	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-14A	0.1569	25	38	No	12	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-16	-0.01515	-27	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-17	-0.06711	-68	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-18	-0.07488	-95	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-19	-0.05208	-65	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-20	0.1516	67	74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-22	1.795	160	98	Yes	23	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-23	1.856	154	87	Yes	21	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-24	-0.3723	-20	-92	No	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-25	0.004415	78	74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-30	-3.891	-131	-92	Yes	22	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-7	-0.1574	-113	-74	Yes	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-8	-0.003776	-44	-74	No	19	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWC-9	-0.04004	-92	-74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-2 (bg)	2.945	115	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-29 (bg)	-0.06243	-12	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-33 (bg)	2.65	10	25	No	9	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-47D (bg)	6.309	23	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWA-48D (bg)	9.531	10	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-12	14.17	146	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-14A	21.17	26	38	No	12	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-16	6.772	87	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-20	13.98	113	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-22	59.98	182	98	Yes	23	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-23	78.86	160	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-24	-21.57	-29	-92	No	22	0	n/a	n/a	0.01	NP
Calcium (mg/L)	BGWC-7	-1.232	-34	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-2 (bg)	0.2119	70	81	No	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-29 (bg)	-0.1487	-135	-81	Yes	20	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-33 (bg)	-0.3057	-5	-21	No	8	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-47D (bg)	-0.3104	-34	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWA-48D (bg)	1.969	33	38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-10	1.301	113	74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-12	-5.329	-158	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-14A	-3.124	-15	-38	No	12	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-16	-4.056	-110	-74	Yes	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-17	0.8172	29	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-18	-3.744	-63	-74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-20	1.884	50	74	No	19	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-22	57.74	130	98	Yes	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-23	95.49	138	87	Yes	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-24	-146	-94	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-30	-150.4	-143	-92	Yes	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	BGWC-9	-5.154	-104	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-2 (bg)	-0.04476	-104	-105	No	24	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-29 (bg)	0.005772	17	98	No	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-33 (bg)	-0.1448	-22	-34	No	11	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-47D (bg)	-0.1588	-54	-43	Yes	13	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWA-48D (bg)	-0.2026	-41	-43	No	13	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-16	-0.06548	-161	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-19	-0.005105	-31	-98	No	23	0	n/a	n/a	0.01	NP
pH (s.u.)	BGWC-24	-0.05117	-165	-118	Yes	26	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-2 (bg)	1.439	131	81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-29 (bg)	-0.3385	-39	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-33 (bg)	-1.483	-14	-21	No	8	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-47D (bg)	8.354	44	38	Yes	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWA-48D (bg)	-7.306	-30	-38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-10	-1.042	-62	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-12	30.17	119	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-14A	68.69	20	38	No	12	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-16	14.92	96	74	Yes	19	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 8:18 PM

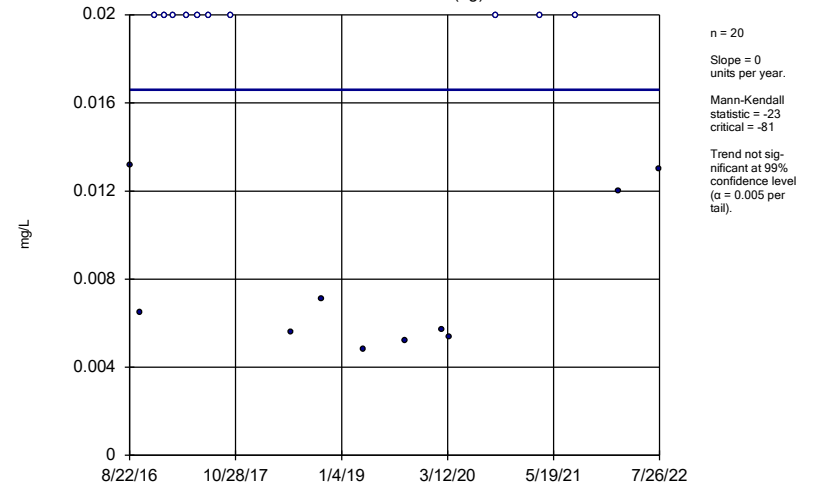
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	BGWC-17	-4.42	-51	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-19	-9.18	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-20	-3.975	-11	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-22	10.94	35	98	No	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-23	27.13	77	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-24	-38.99	-75	-92	No	22	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-7	-40.5	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	BGWC-9	-7.855	-94	-74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-2 (bg)	8.12	73	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-29 (bg)	-2.288	-46	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-33 (bg)	-8.072	-8	-25	No	9	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-47D (bg)	10.2	20	38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWA-48D (bg)	4.746	4	38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-12	55.89	105	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-14A	79.17	22	38	No	12	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-16	20.37	69	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-20	29.86	63	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-22	227.7	93	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-23	238.1	121	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-24	-217.9	-54	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-30	-394.4	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/L)	BGWC-7	-53.6	-103	-74	Yes	19	0	n/a	n/a	0.01	NP

Sen's Slope Estimator BGWA-2 (bg)



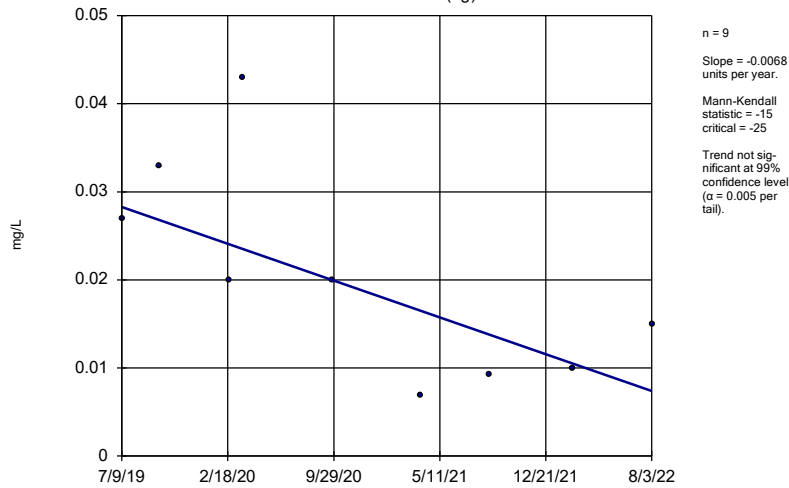
Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWA-29 (bg)



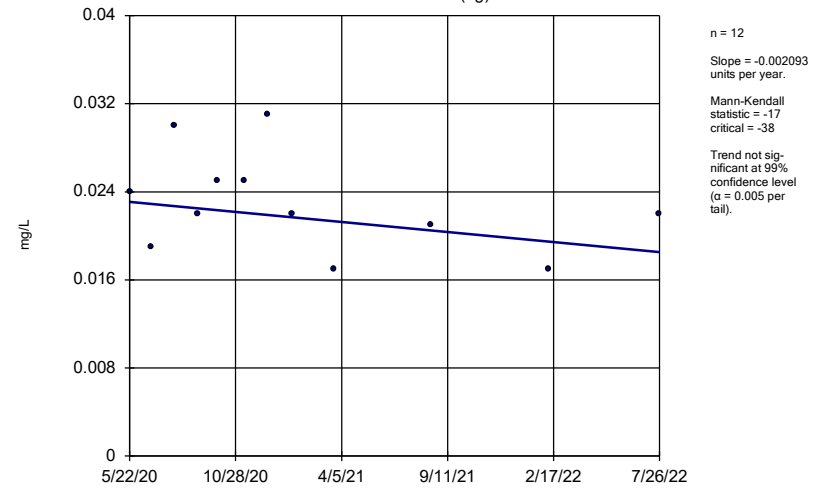
Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWA-33 (bg)



Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

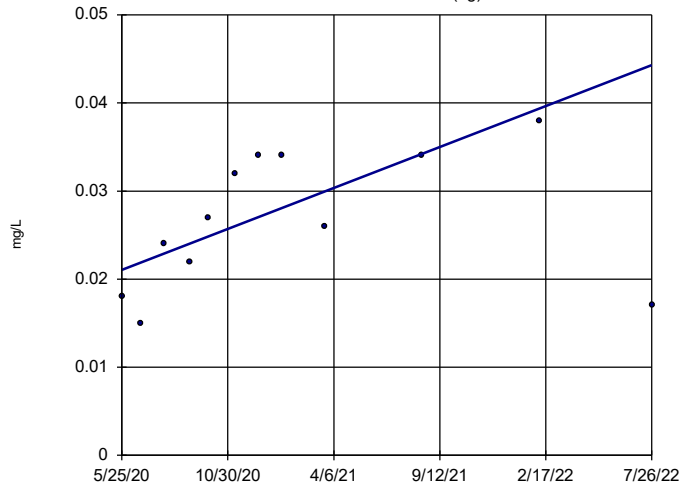
Sen's Slope Estimator BGWA-47D (bg)



Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

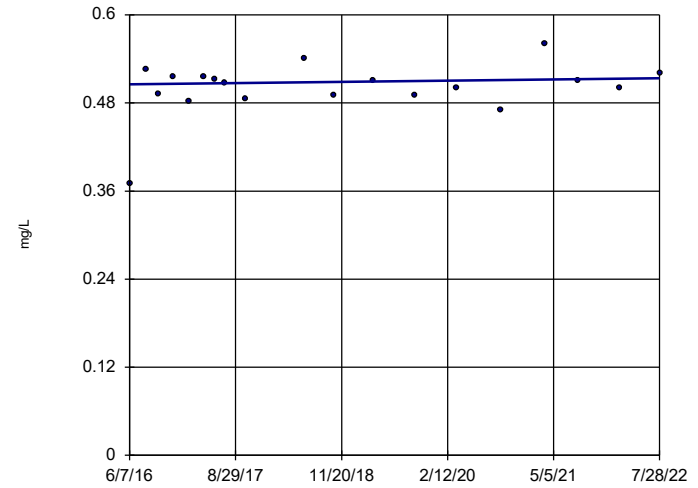


n = 12
 Slope = 0.01071 units per year.
 Mann-Kendall statistic = 31
 critical = 38
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-10

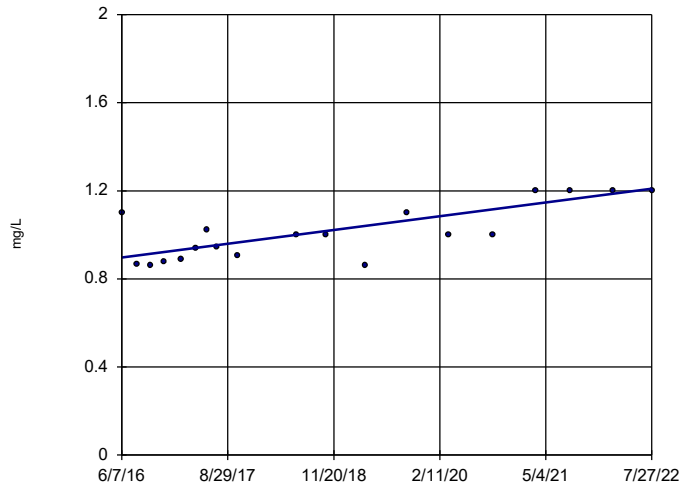


n = 19
 Slope = 0.001358 units per year.
 Mann-Kendall statistic = 13
 critical = 74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-12

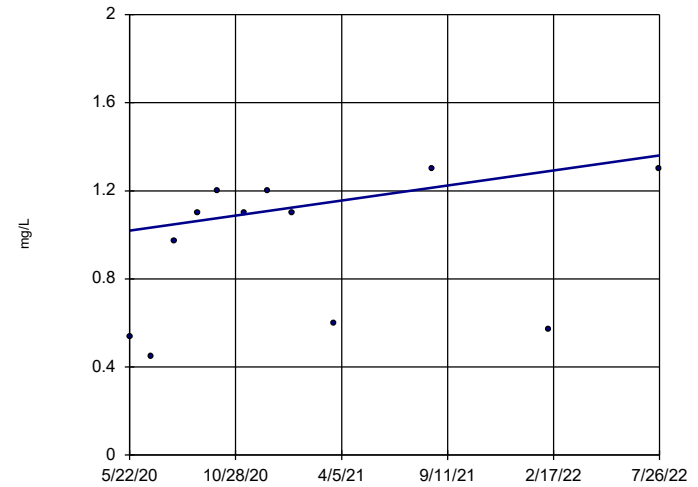


n = 19
 Slope = 0.05103 units per year.
 Mann-Kendall statistic = 90
 critical = 74
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

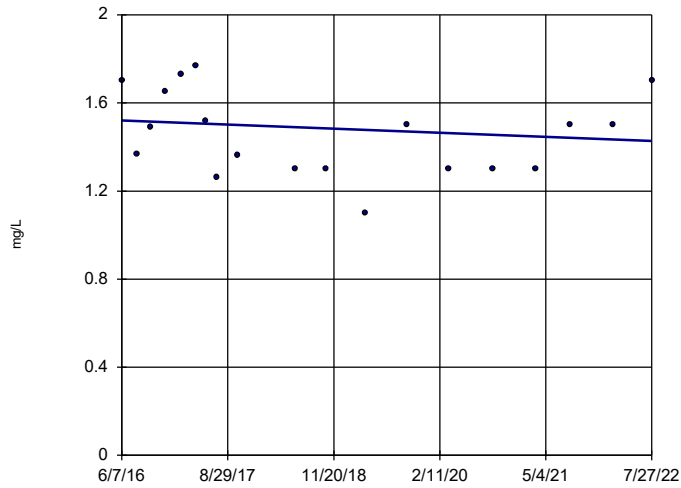
BGWC-14A



n = 12
 Slope = 0.1569 units per year.
 Mann-Kendall statistic = 25
 critical = 38
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

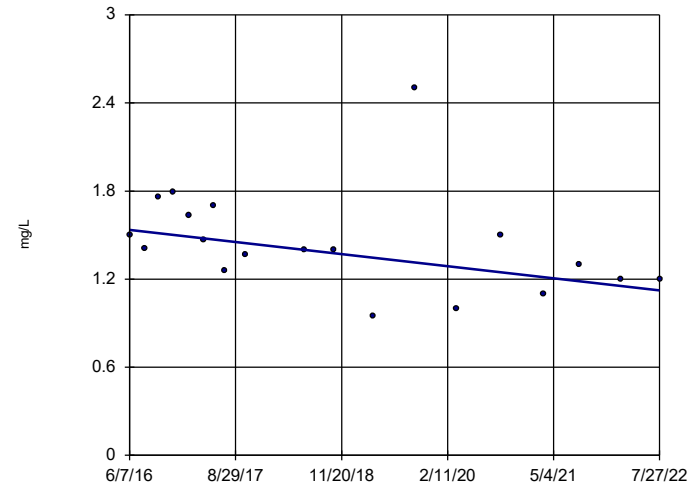
Sen's Slope Estimator BGWC-16



n = 19
 Slope = -0.01515
 units per year.
 Mann-Kendall
 statistic = -27
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

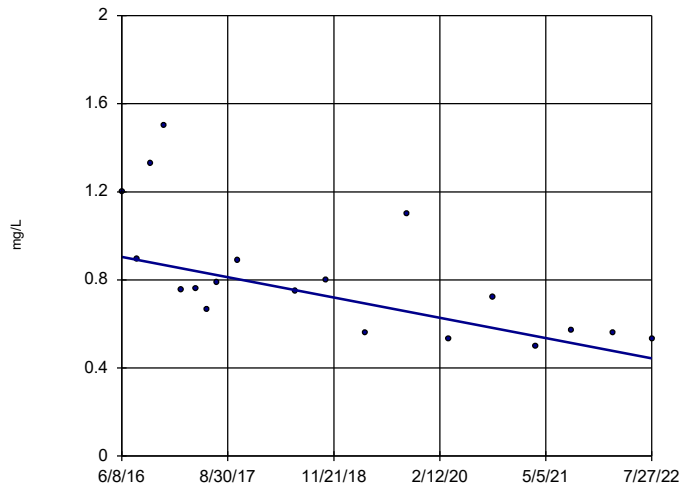
Sen's Slope Estimator BGWC-17



n = 19
 Slope = -0.06711
 units per year.
 Mann-Kendall
 statistic = -68
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

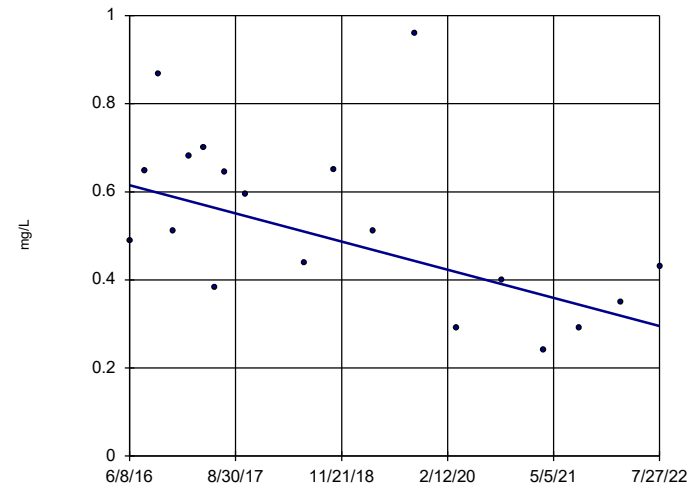
Sen's Slope Estimator BGWC-18



n = 19
 Slope = -0.07488
 units per year.
 Mann-Kendall
 statistic = -95
 critical = -74
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

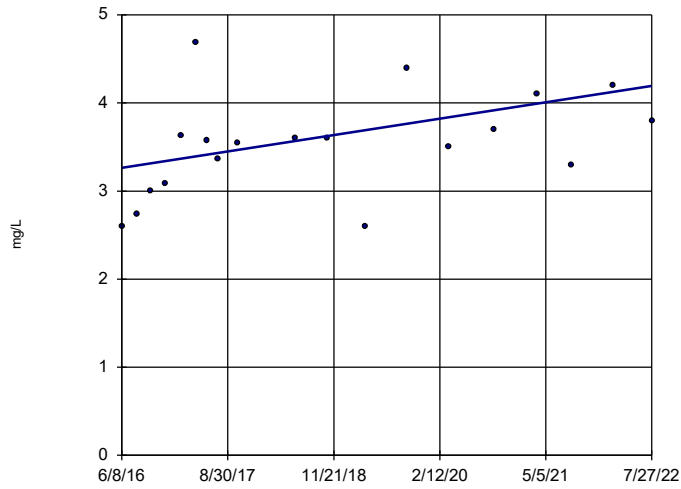
Sen's Slope Estimator BGWC-19



n = 19
 Slope = -0.05208
 units per year.
 Mann-Kendall
 statistic = -65
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

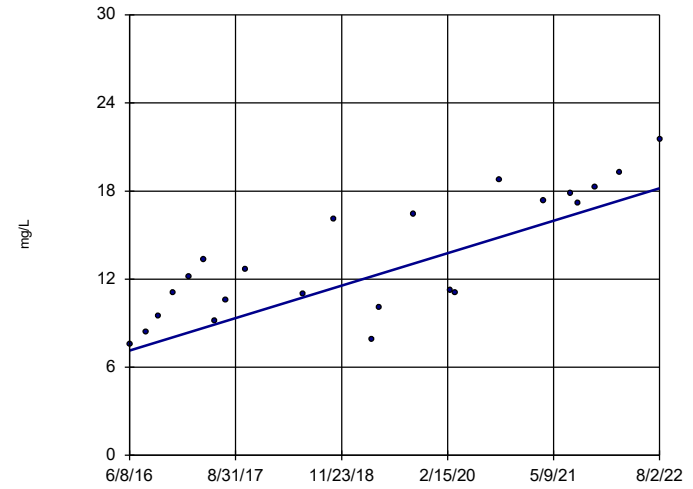
Sen's Slope Estimator BGWC-20



n = 19
 Slope = 0.1516
 units per year.
 Mann-Kendall
 statistic = 67
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

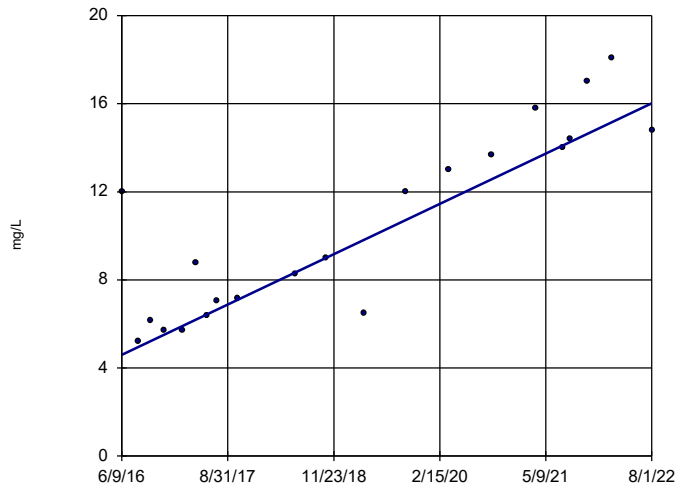
Sen's Slope Estimator BGWC-22



n = 23
 Slope = 1.795
 units per year.
 Mann-Kendall
 statistic = 160
 critical = 98
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

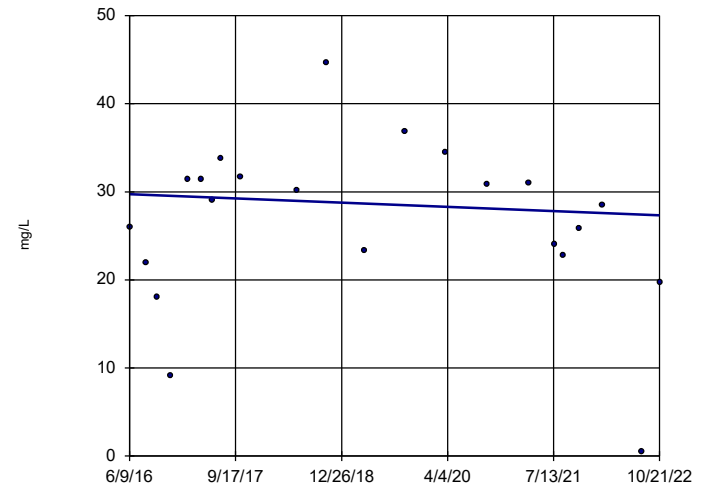
Sen's Slope Estimator BGWC-23



n = 21
 Slope = 1.856
 units per year.
 Mann-Kendall
 statistic = 154
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

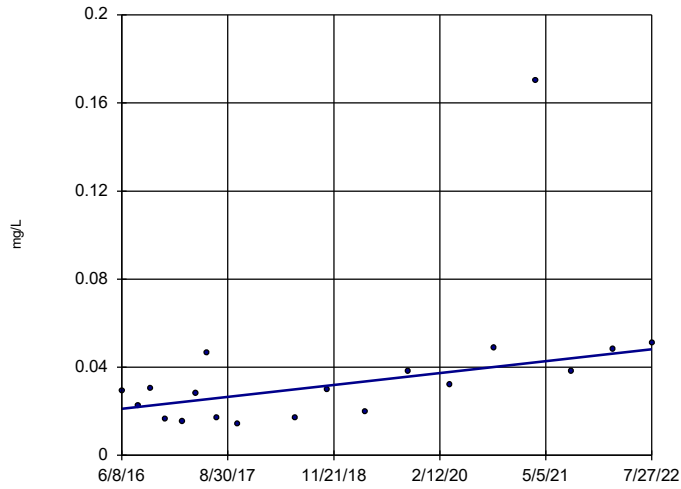
Sen's Slope Estimator BGWC-24



n = 22
 Slope = -0.3723
 units per year.
 Mann-Kendall
 statistic = -20
 critical = -92
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

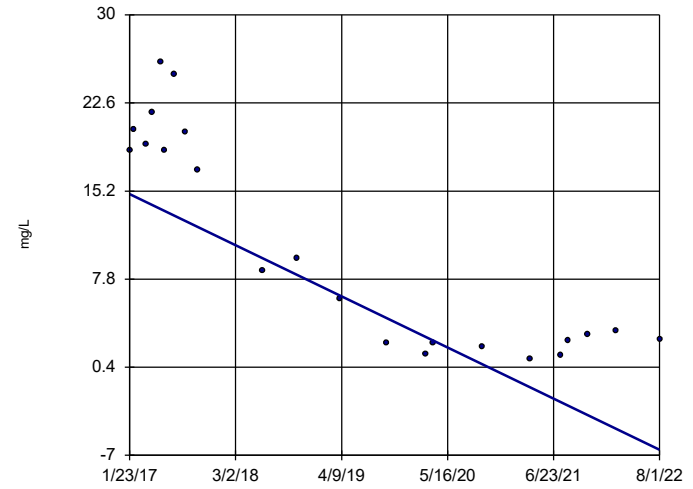
Sen's Slope Estimator BGWC-25



n = 19
 Slope = 0.004415
 units per year.
 Mann-Kendall
 statistic = 78
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

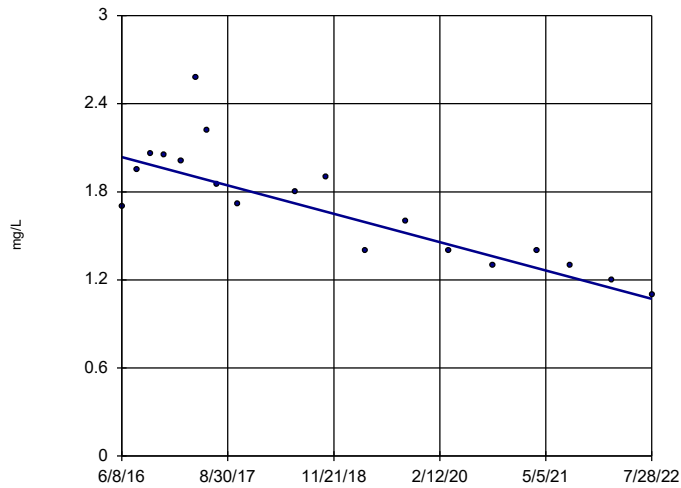
Sen's Slope Estimator BGWC-30



n = 22
 Slope = -3.891
 units per year.
 Mann-Kendall
 statistic = -131
 critical = -92
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

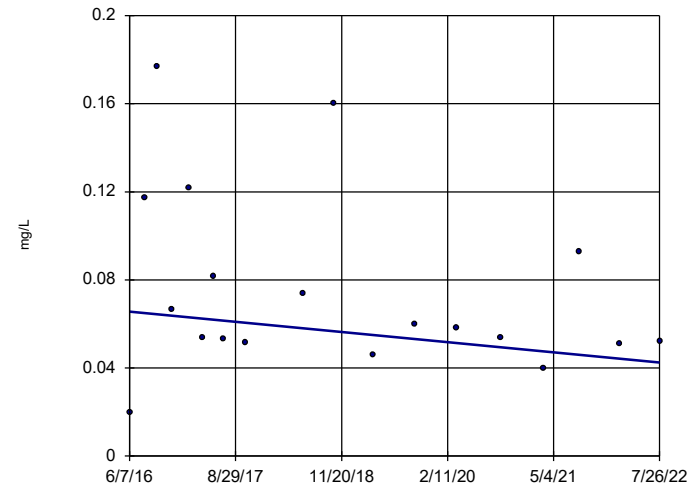
Sen's Slope Estimator BGWC-7



n = 19
 Slope = -0.1574
 units per year.
 Mann-Kendall
 statistic = -113
 critical = -74
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

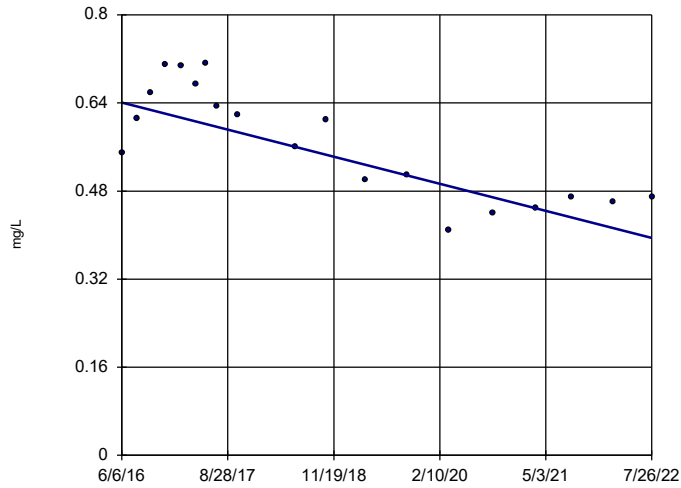
Sen's Slope Estimator BGWC-8



n = 19
 Slope = -0.003776
 units per year.
 Mann-Kendall
 statistic = -44
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

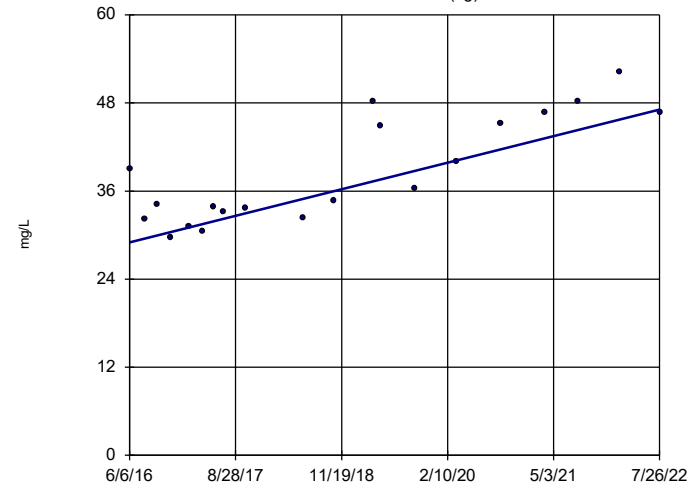
Sen's Slope Estimator
BGWC-9



n = 19
Slope = -0.04004
units per year.
Mann-Kendall
statistic = -92
critical = -74
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

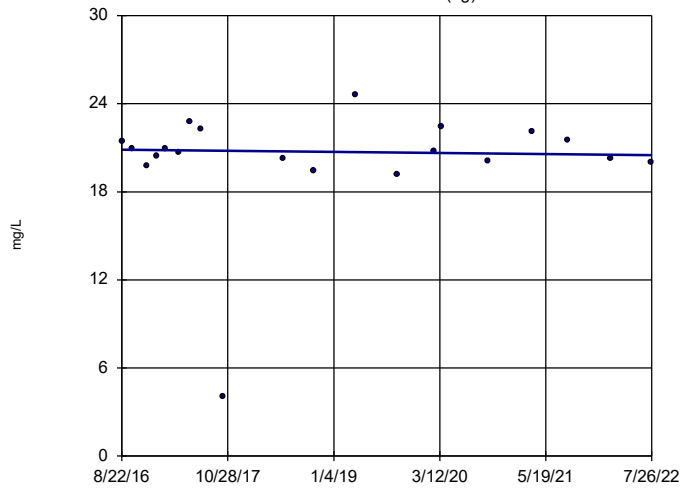
Sen's Slope Estimator
BGWA-2 (bg)



n = 20
Slope = 2.945
units per year.
Mann-Kendall
statistic = 115
critical = 81
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

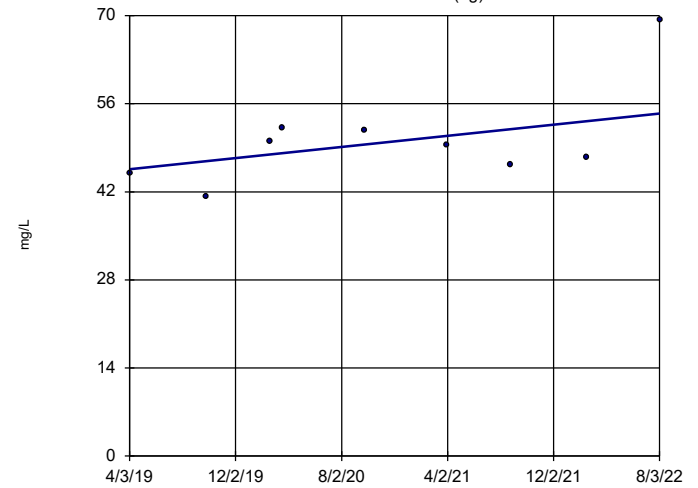
Sen's Slope Estimator
BGWA-29 (bg)



n = 20
Slope = -0.06243
units per year.
Mann-Kendall
statistic = -12
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator
BGWA-33 (bg)

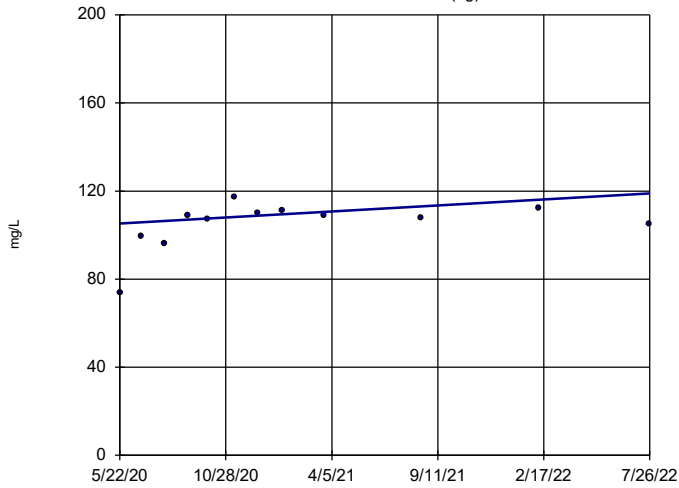


n = 9
Slope = 2.65
units per year.
Mann-Kendall
statistic = 10
critical = 25
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

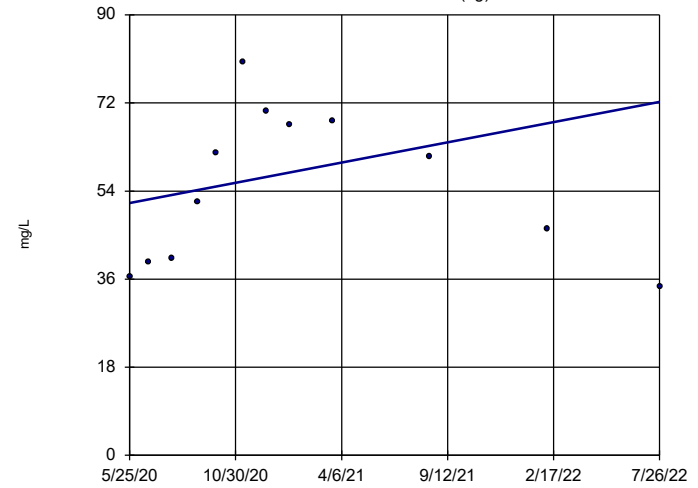


n = 12
 Slope = 6.309
 units per year.
 Mann-Kendall
 statistic = 23
 critical = 38
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

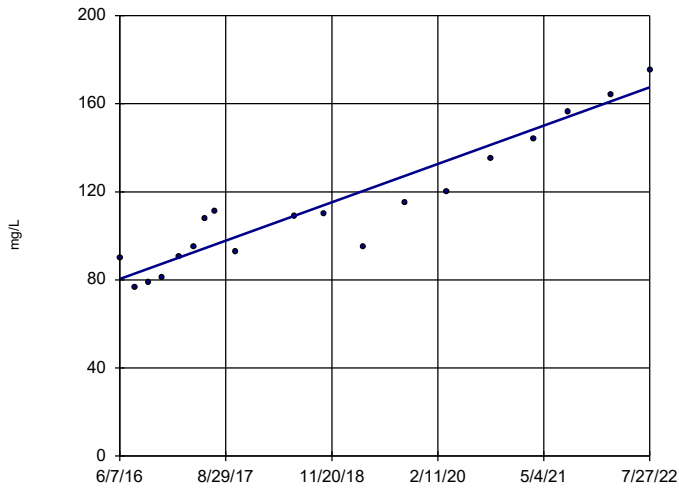


n = 12
 Slope = 9.531
 units per year.
 Mann-Kendall
 statistic = 10
 critical = 38
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-12

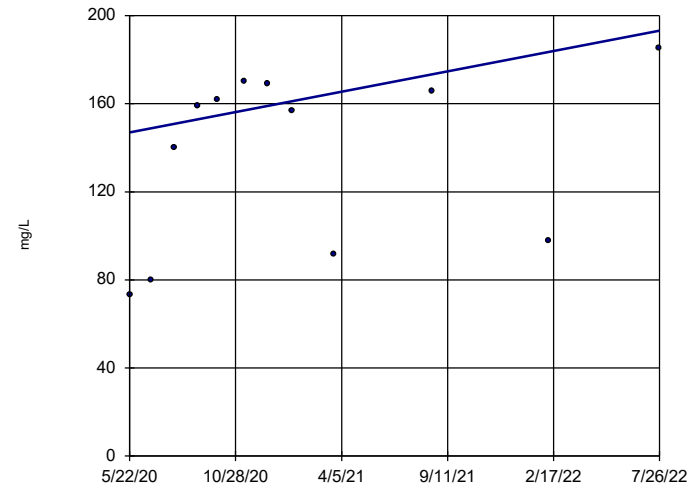


n = 19
 Slope = 14.17
 units per year.
 Mann-Kendall
 statistic = 146
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

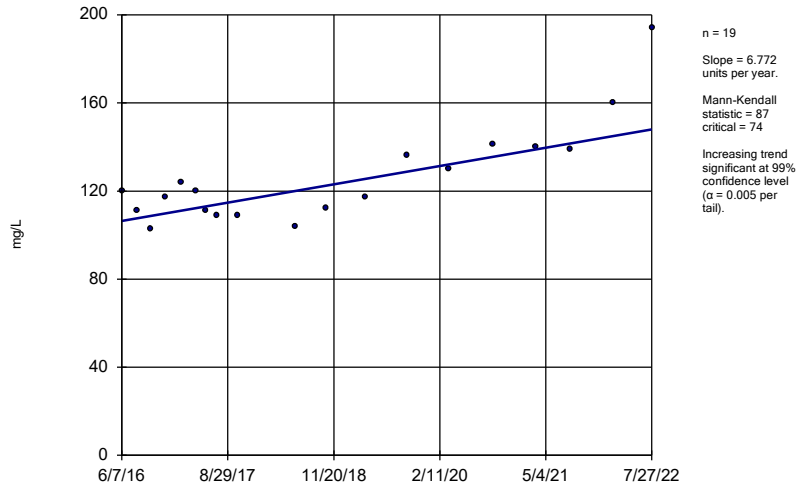
BGWC-14A



n = 12
 Slope = 21.17
 units per year.
 Mann-Kendall
 statistic = 26
 critical = 38
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

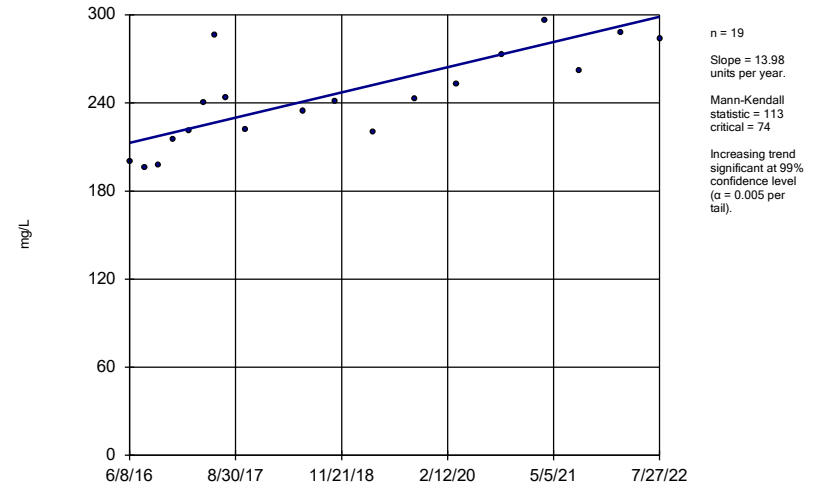
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-16



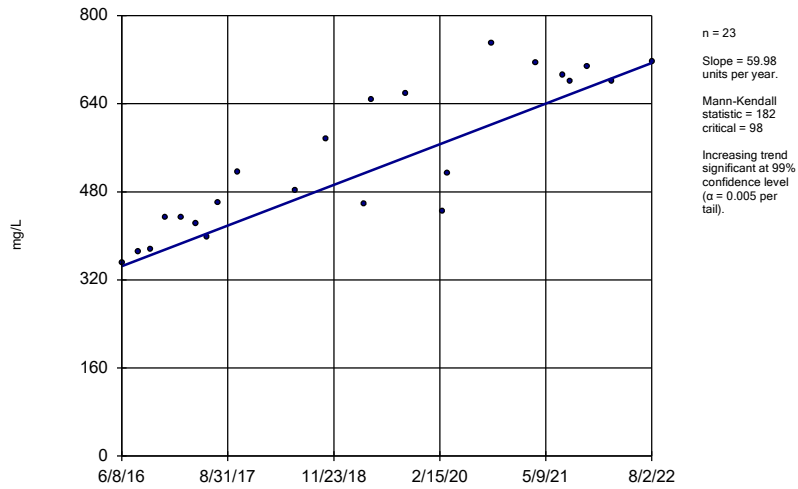
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-20



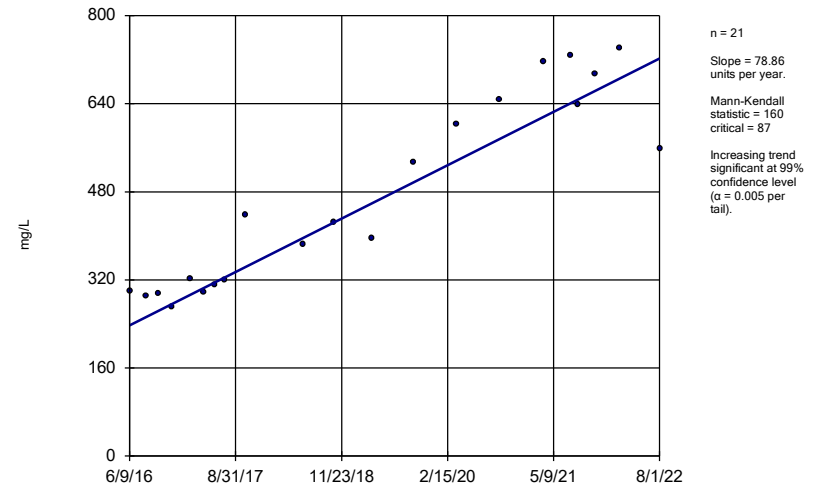
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-22



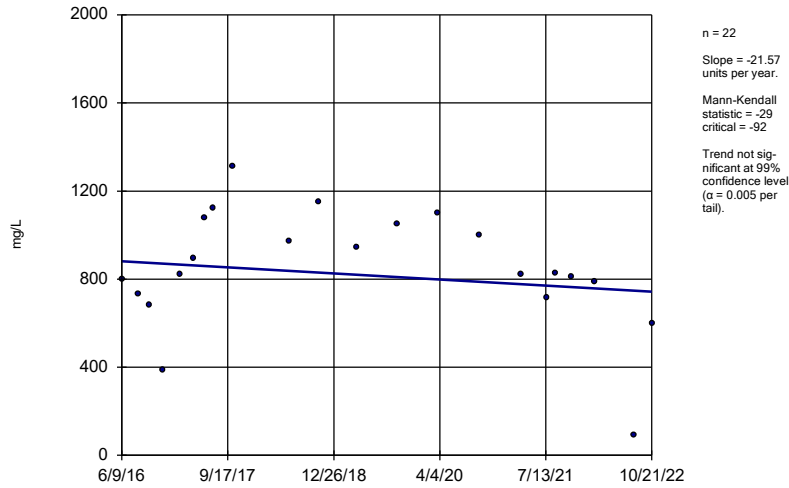
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-23



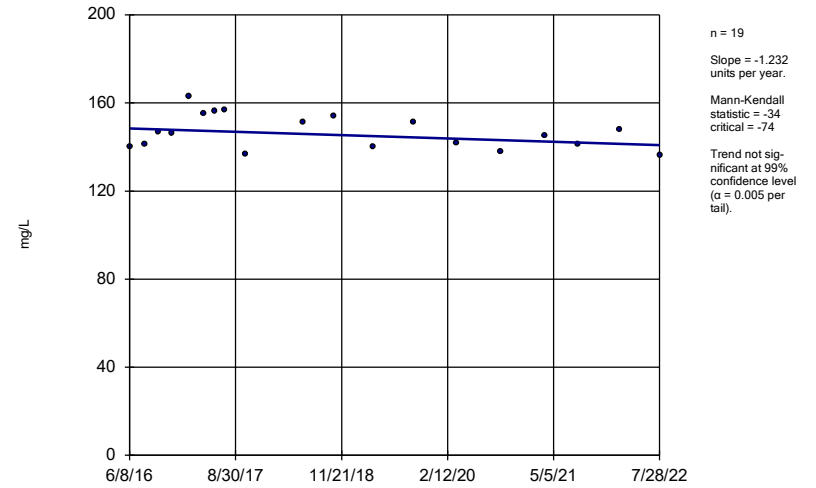
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-24



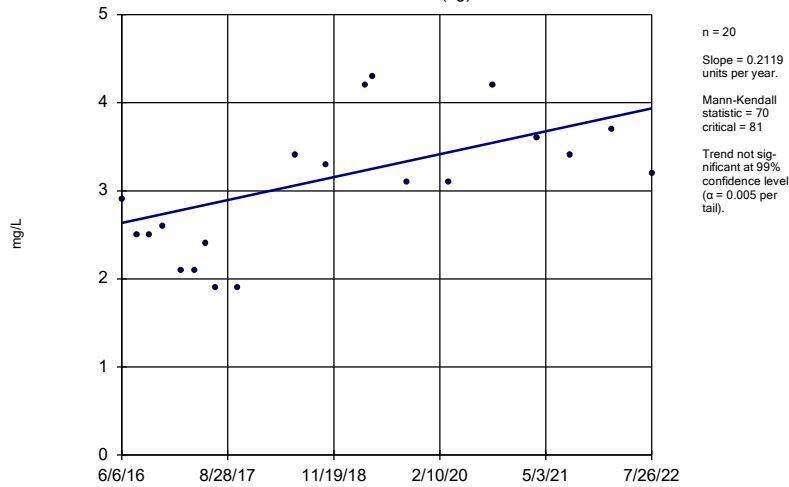
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-7



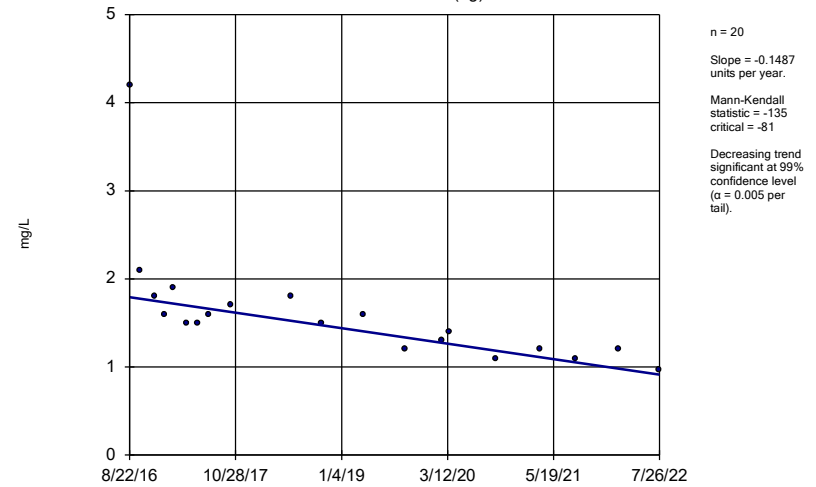
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWA-2 (bg)



Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

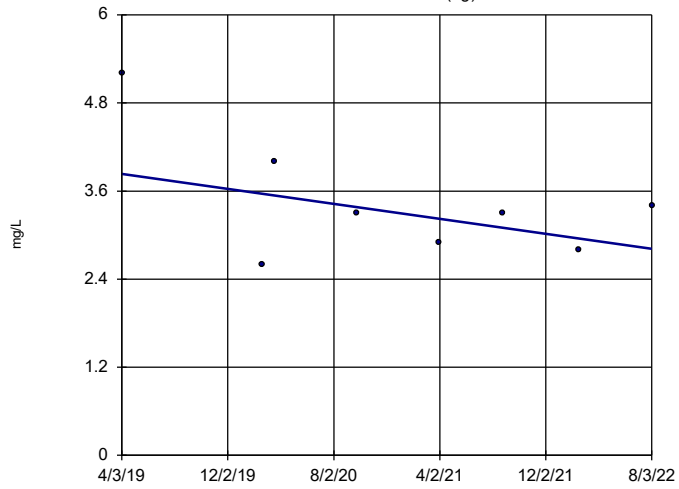
Sen's Slope Estimator BGWA-29 (bg)



Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-33 (bg)

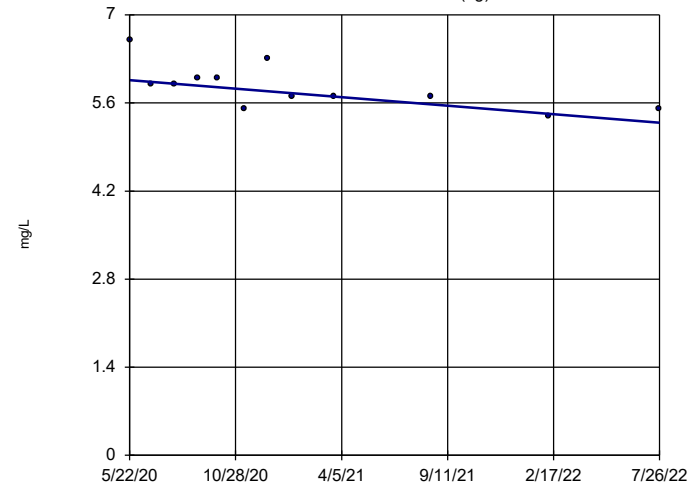


n = 8
 Slope = -0.3057 units per year.
 Mann-Kendall statistic = -5
 critical = -21
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

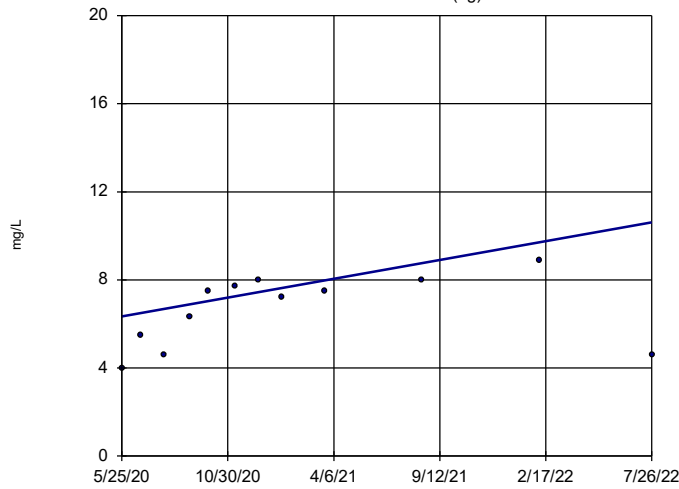


n = 12
 Slope = -0.3104 units per year.
 Mann-Kendall statistic = -34
 critical = -38
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

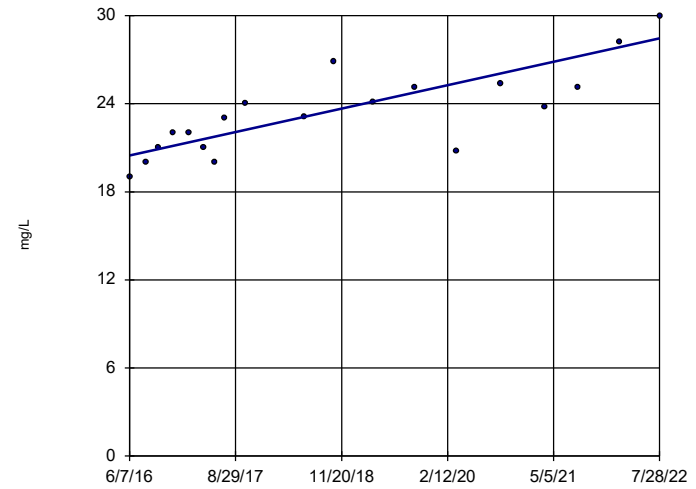


n = 12
 Slope = 1.969 units per year.
 Mann-Kendall statistic = 33
 critical = 38
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

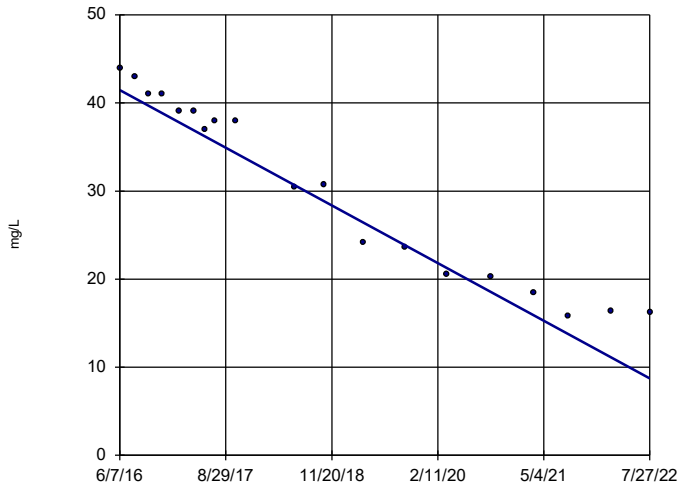
BGWC-10



n = 19
 Slope = 1.301 units per year.
 Mann-Kendall statistic = 113
 critical = 74
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

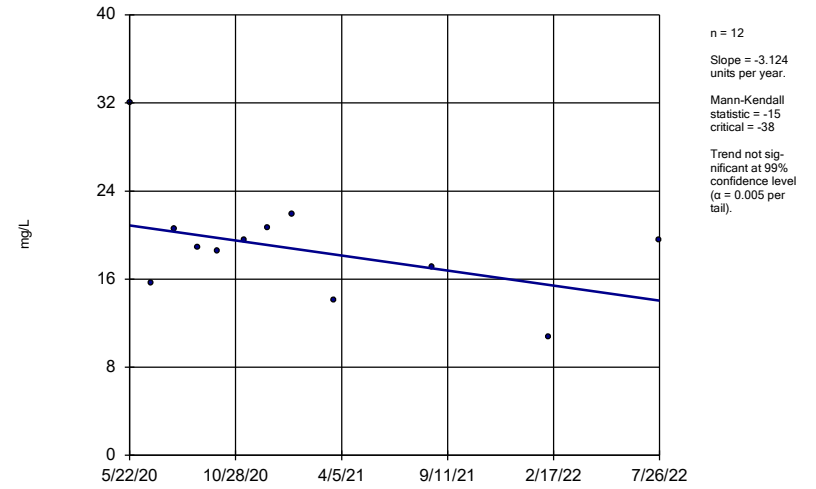
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-12



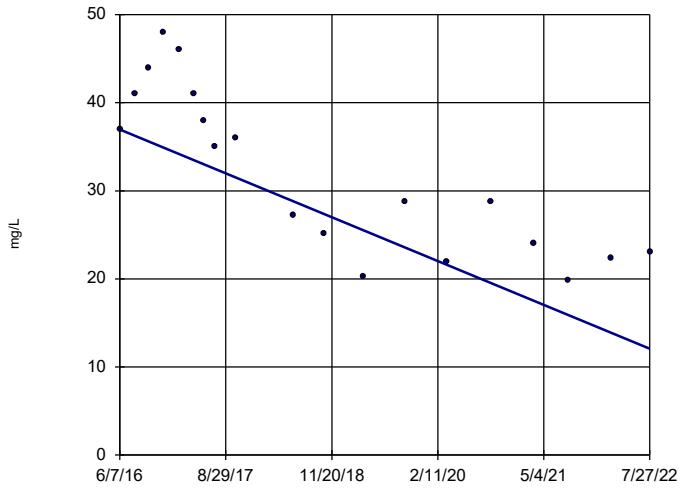
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-14A



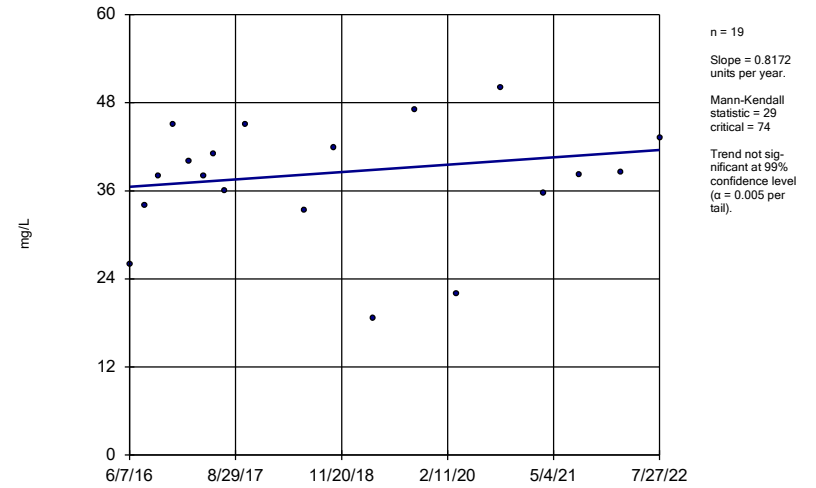
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-16



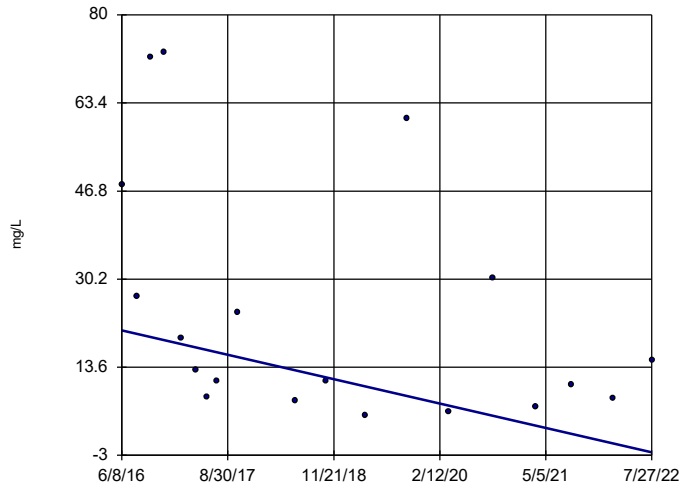
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-17



Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

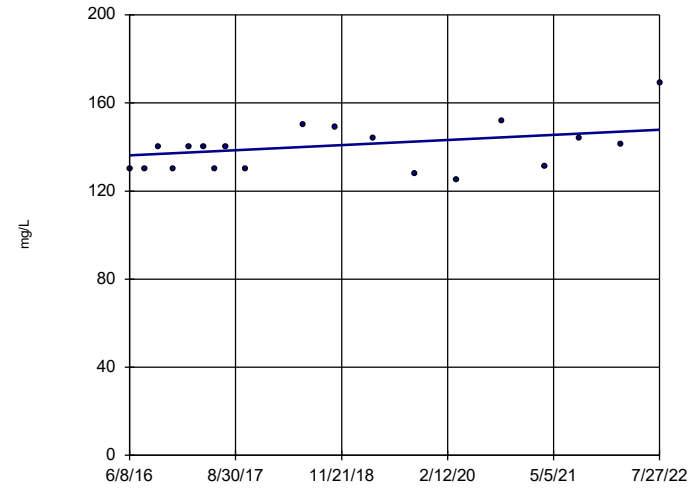
Sen's Slope Estimator BGWC-18



n = 19
 Slope = -3.744
 units per year.
 Mann-Kendall
 statistic = -63
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

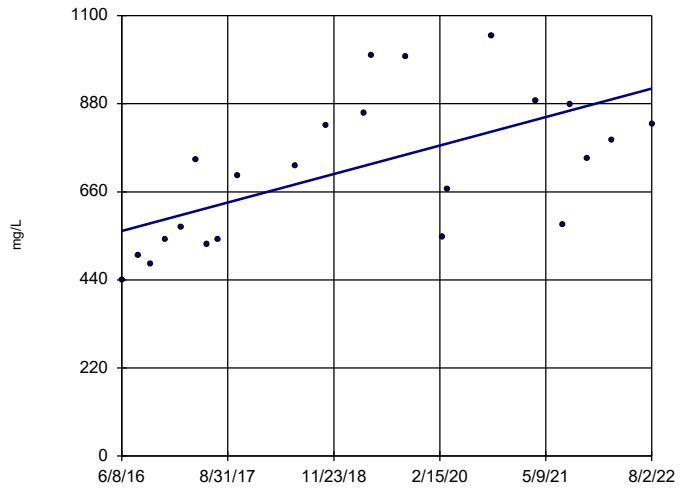
Sen's Slope Estimator BGWC-20



n = 19
 Slope = 1.884
 units per year.
 Mann-Kendall
 statistic = 50
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

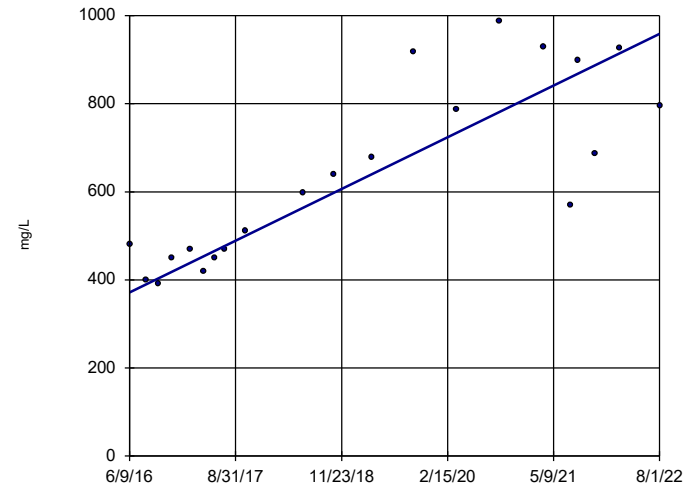
Sen's Slope Estimator BGWC-22



n = 23
 Slope = 57.74
 units per year.
 Mann-Kendall
 statistic = 130
 critical = 98
 Increasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

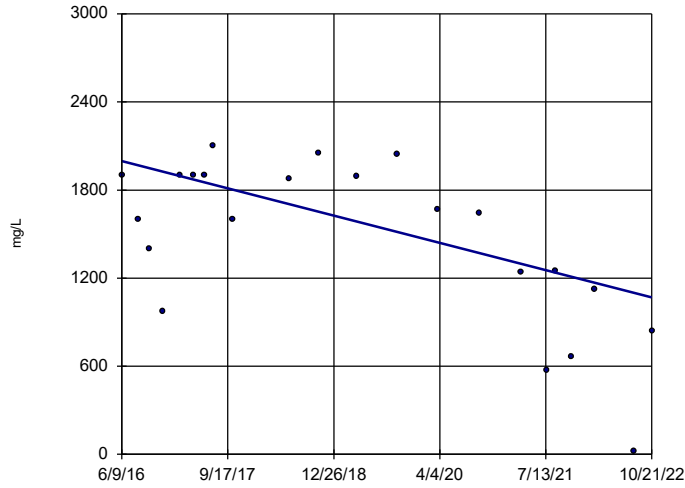
Sen's Slope Estimator BGWC-23



n = 21
 Slope = 95.49
 units per year.
 Mann-Kendall
 statistic = 138
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

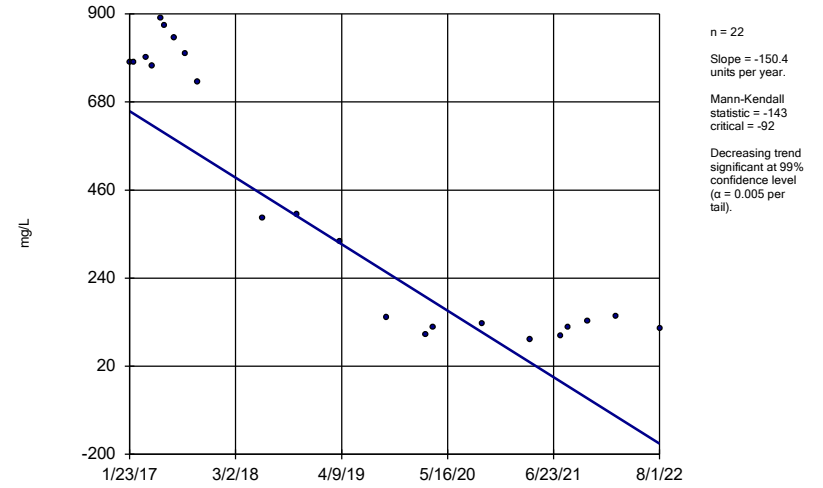
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-24



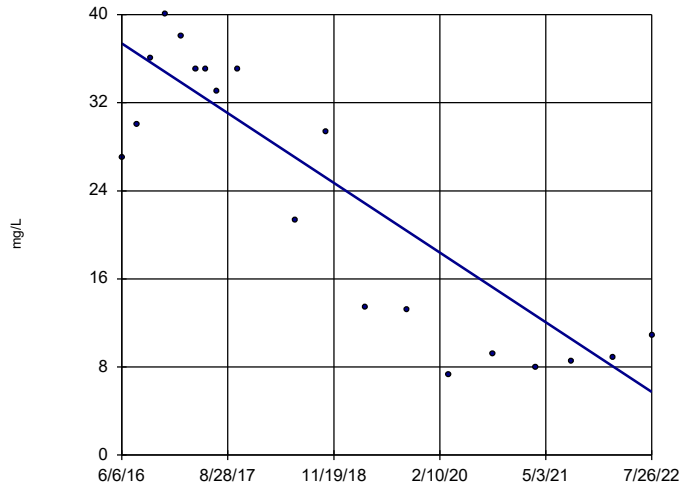
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-30



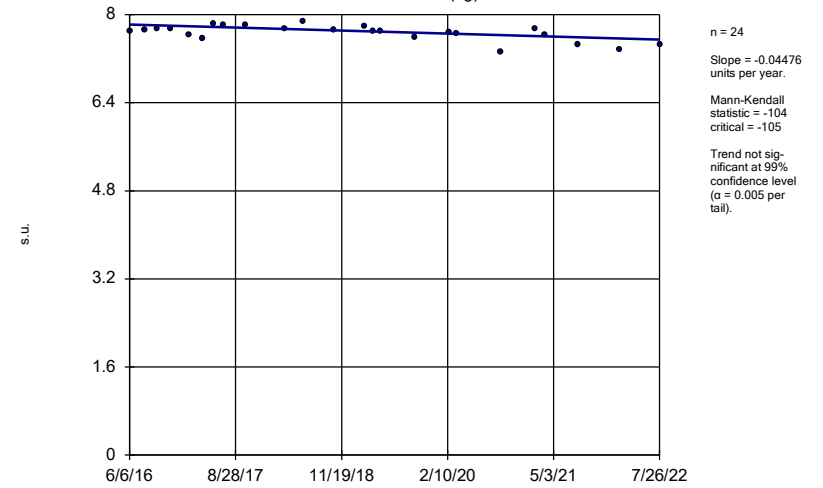
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-9



Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

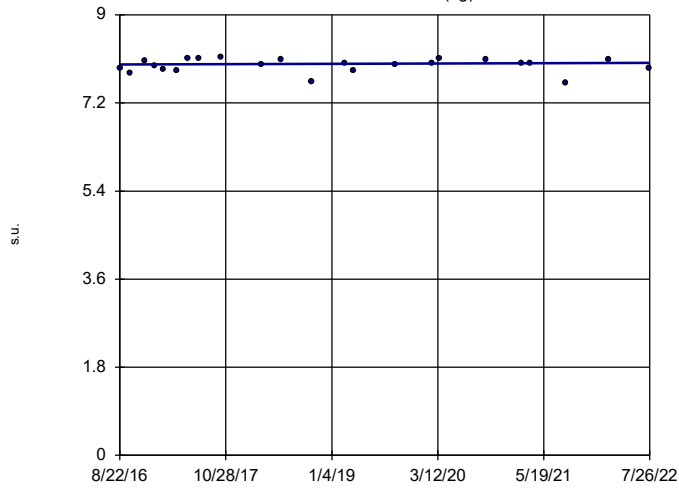
Sen's Slope Estimator BGWA-2 (bg)



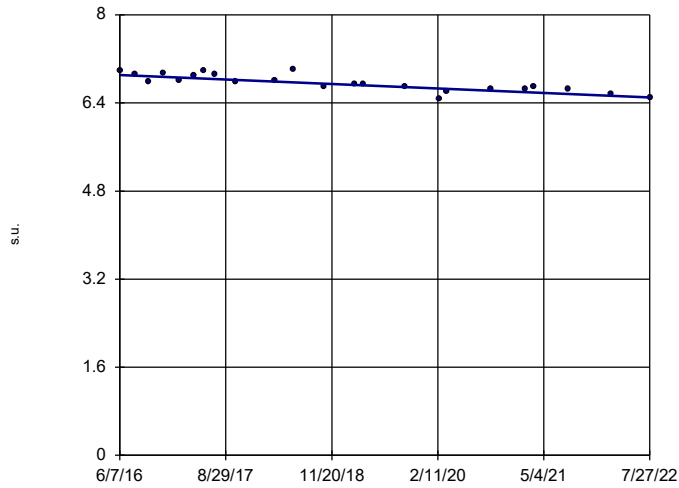
Constituent: pH Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-29 (bg)

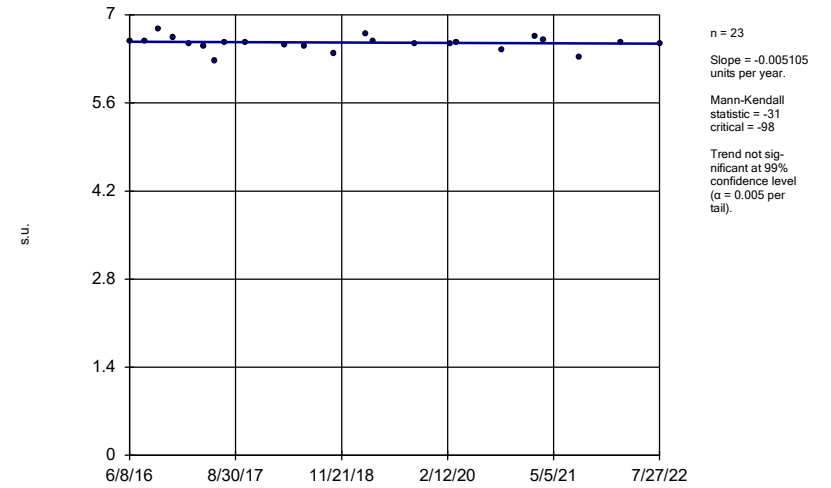


Sen's Slope Estimator BGWC-16



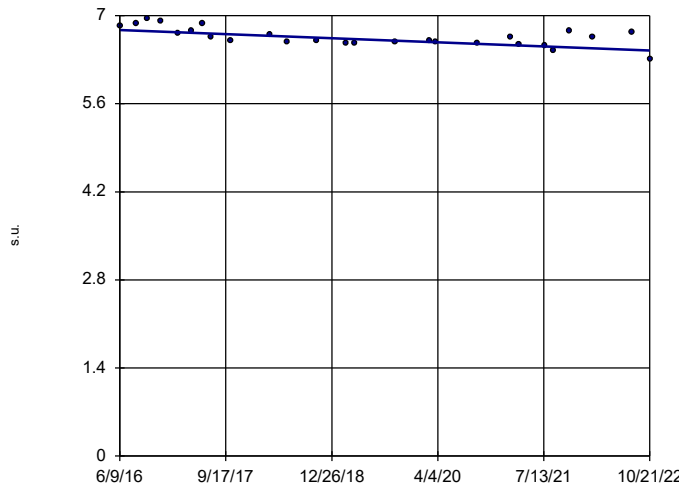
Constituent: pH Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-19



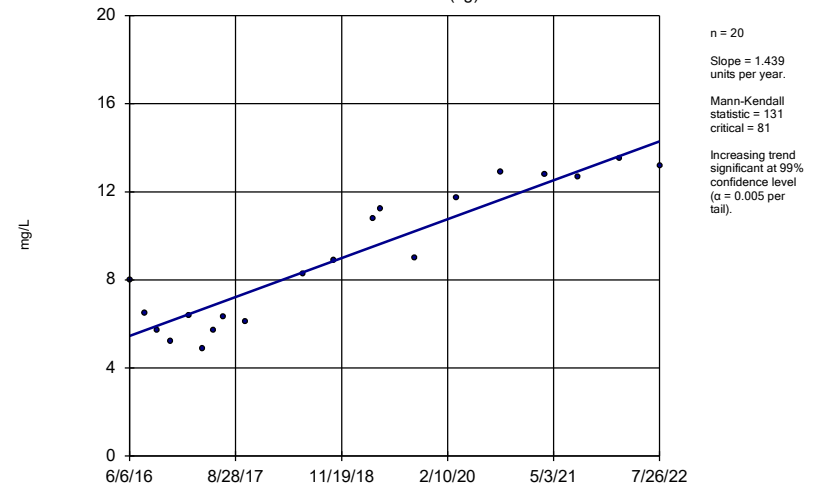
Constituent: pH Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-24



Constituent: pH Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

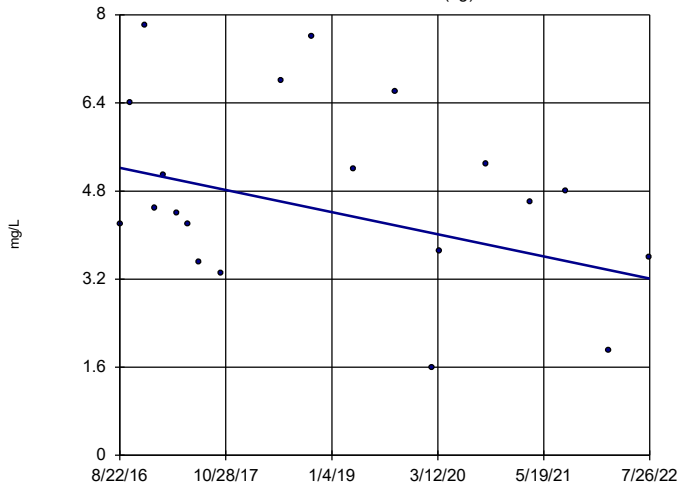
Sen's Slope Estimator BGWA-2 (bg)



Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-29 (bg)

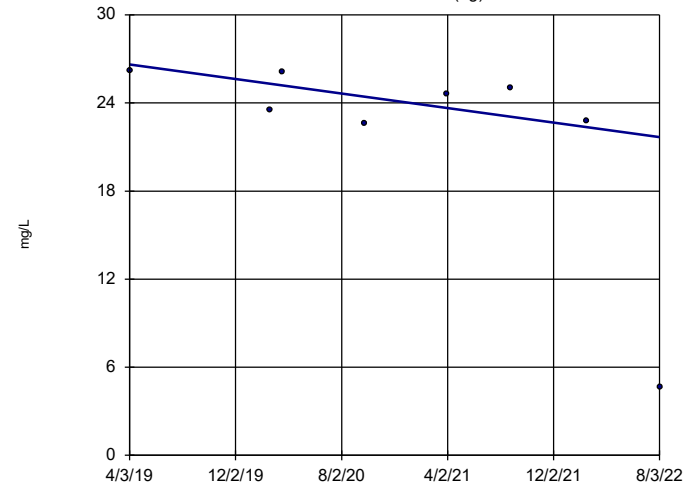


n = 20
 Slope = -0.3385 units per year.
 Mann-Kendall statistic = -39
 critical = -81
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-33 (bg)

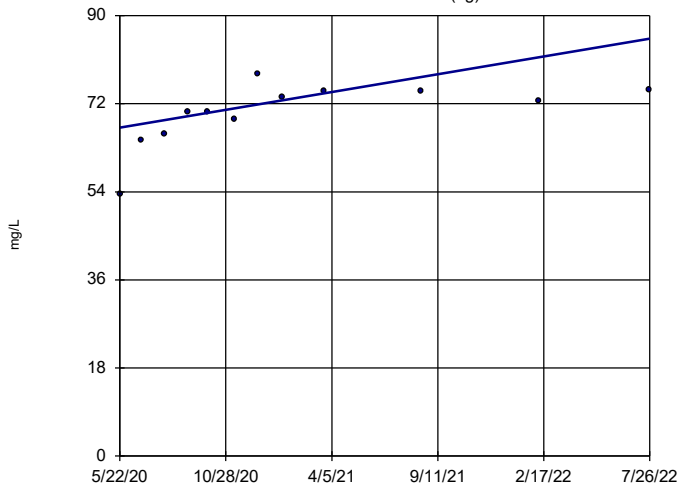


n = 8
 Slope = -1.483 units per year.
 Mann-Kendall statistic = -14
 critical = -21
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

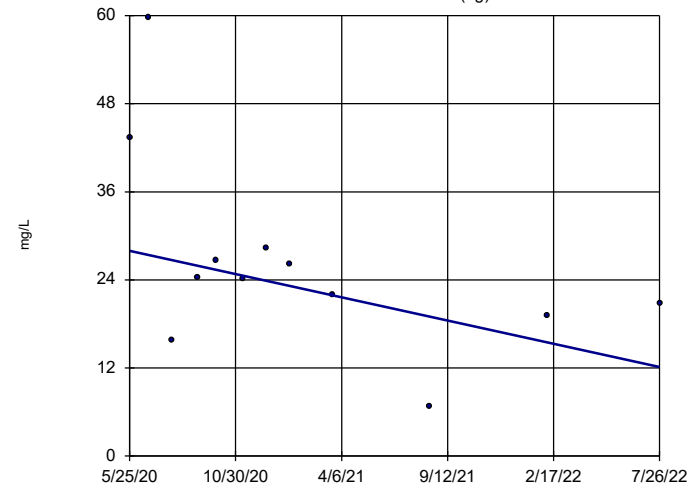


n = 12
 Slope = 8.354 units per year.
 Mann-Kendall statistic = 44
 critical = 38
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

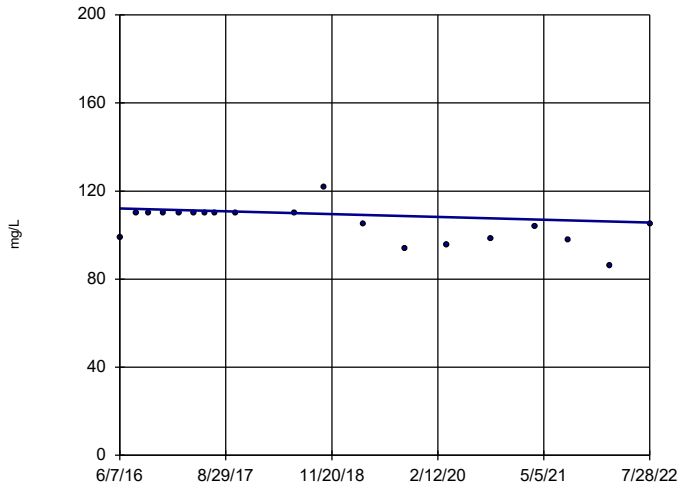
BGWA-48D (bg)



n = 12
 Slope = -7.306 units per year.
 Mann-Kendall statistic = -30
 critical = -38
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

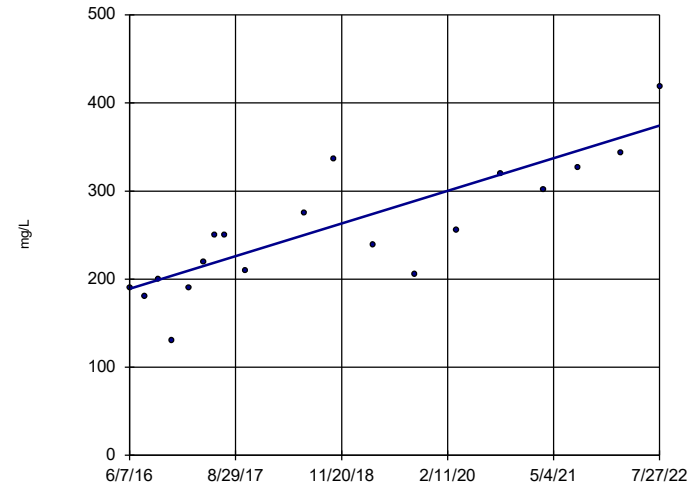
Sen's Slope Estimator BGWC-10



n = 19
 Slope = -1.042
 units per year.
 Mann-Kendall
 statistic = -62
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

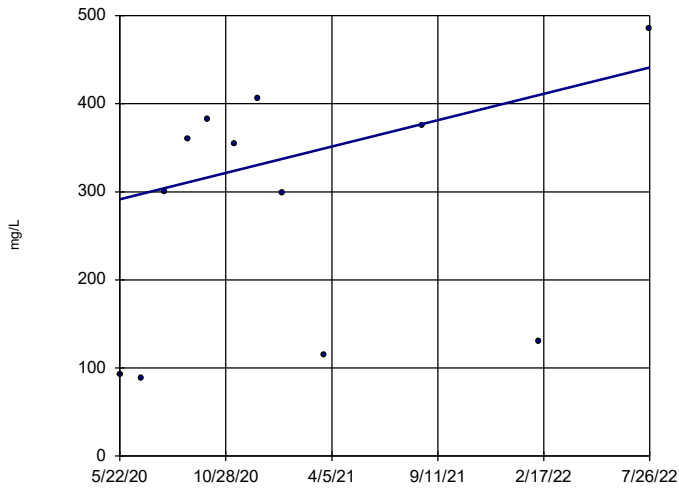
Sen's Slope Estimator BGWC-12



n = 19
 Slope = 30.17
 units per year.
 Mann-Kendall
 statistic = 119
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

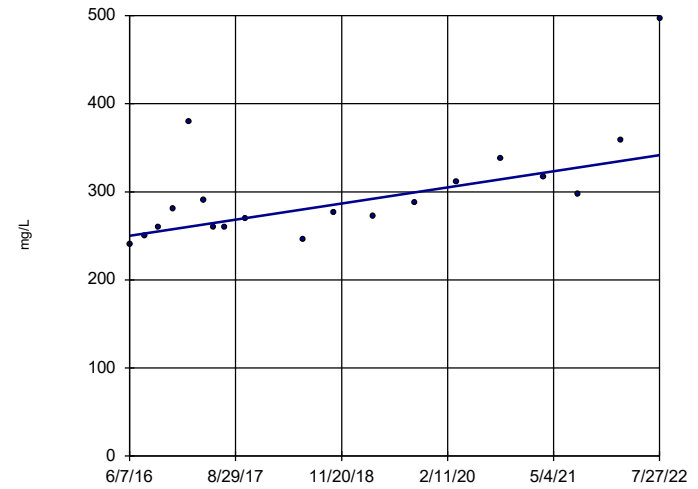
Sen's Slope Estimator BGWC-14A



n = 12
 Slope = 68.69
 units per year.
 Mann-Kendall
 statistic = 20
 critical = 38
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

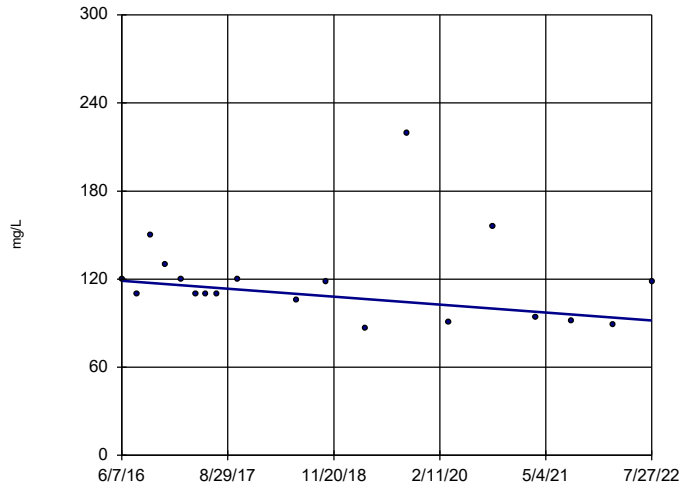
Sen's Slope Estimator BGWC-16



n = 19
 Slope = 14.92
 units per year.
 Mann-Kendall
 statistic = 96
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

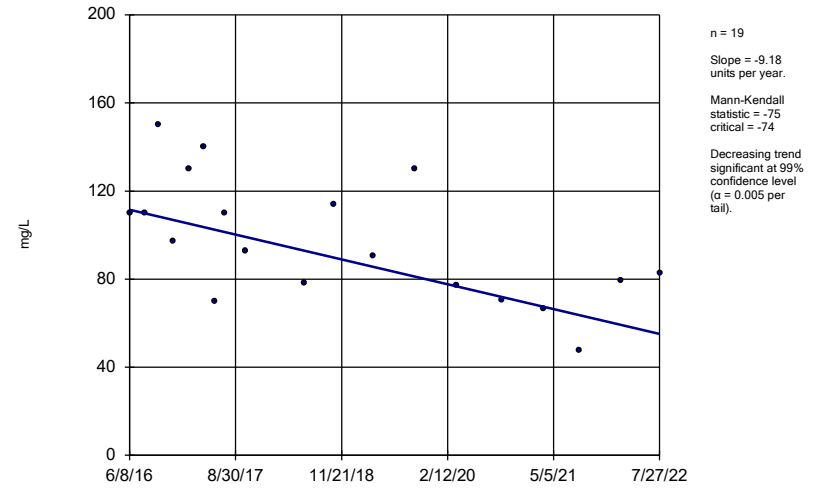
Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-17



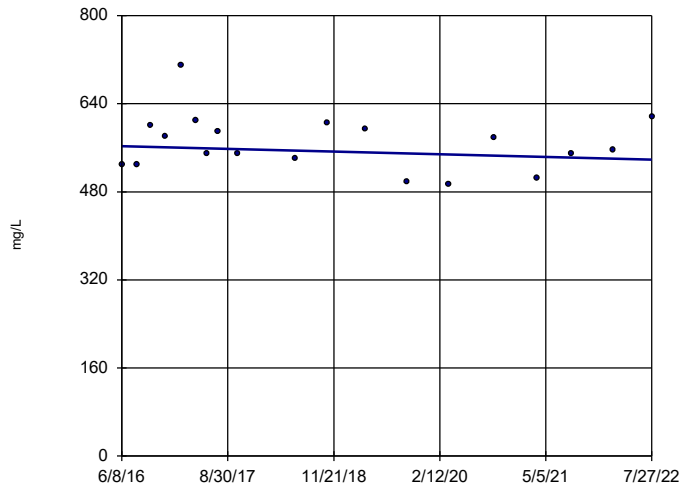
Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-19



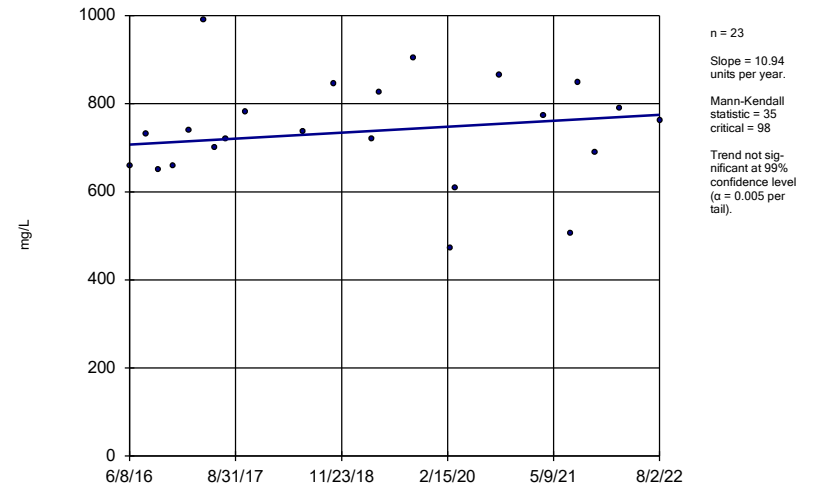
Constituent: Sulfate Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-20



Constituent: Sulfate Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

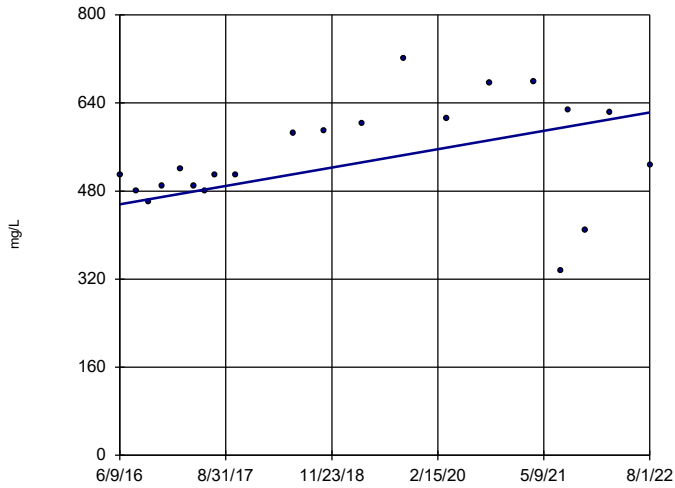
Sen's Slope Estimator BGWC-22



Constituent: Sulfate Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-23

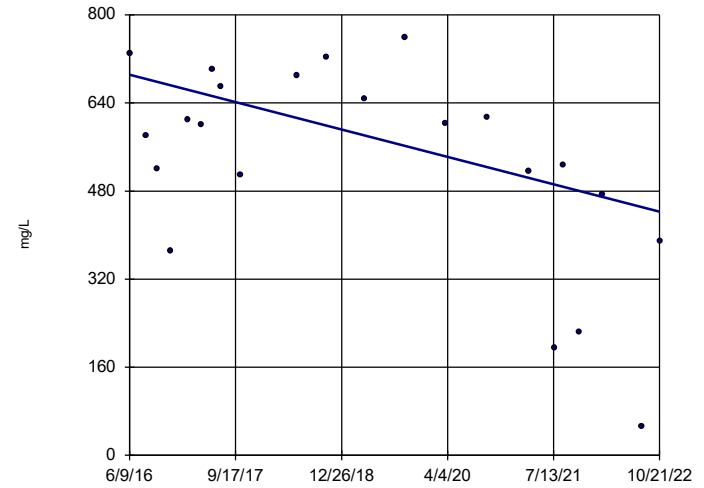


n = 21
 Slope = 27.13
 units per year.
 Mann-Kendall
 statistic = 77
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-24

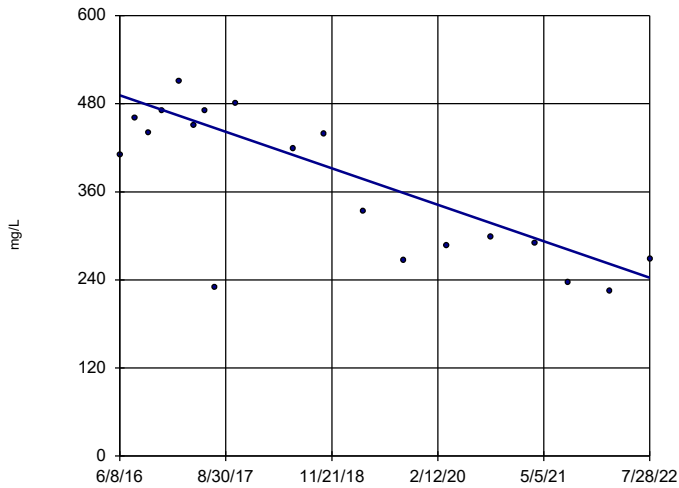


n = 22
 Slope = -38.99
 units per year.
 Mann-Kendall
 statistic = -75
 critical = -92
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-7

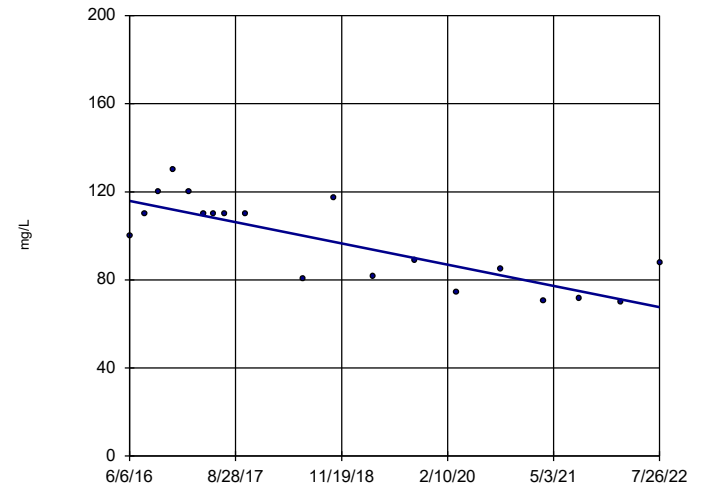


n = 19
 Slope = -40.5
 units per year.
 Mann-Kendall
 statistic = -86
 critical = -74
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-9

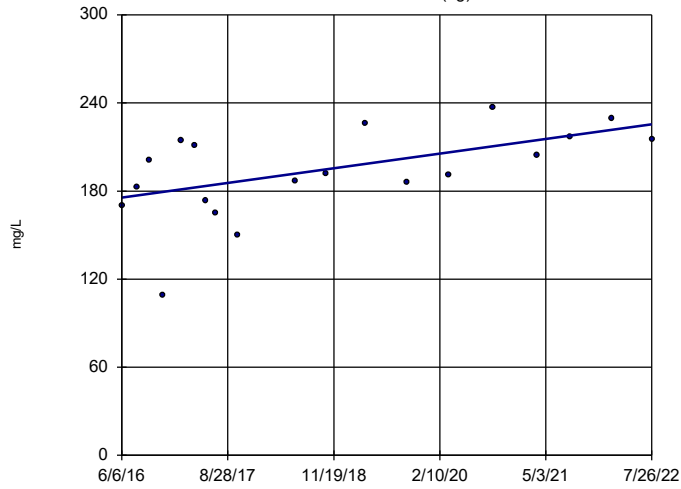


n = 19
 Slope = -7.855
 units per year.
 Mann-Kendall
 statistic = -94
 critical = -74
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

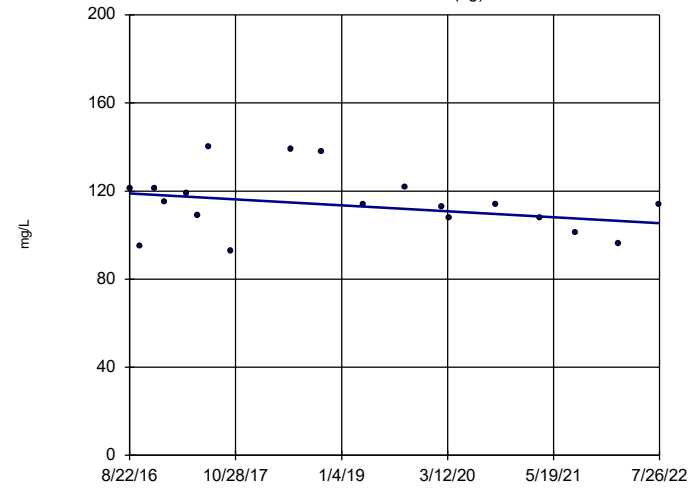
BGWA-2 (bg)



n = 19
 Slope = 8.12 units per year.
 Mann-Kendall statistic = 73
 critical = 74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Sen's Slope Estimator

BGWA-29 (bg)



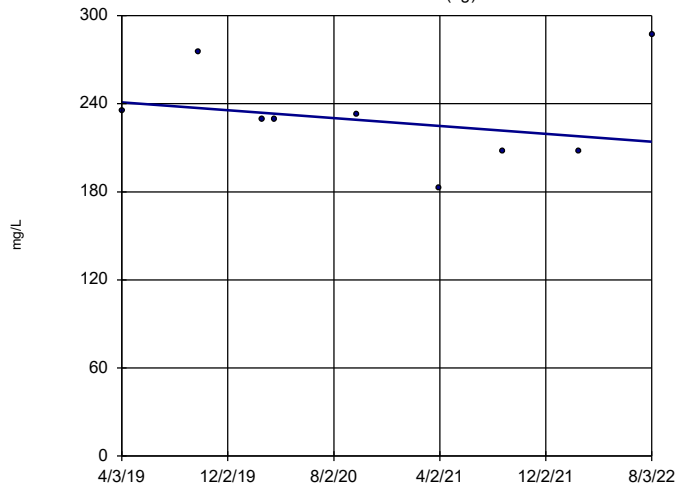
n = 19
 Slope = -2.288 units per year.
 Mann-Kendall statistic = -46
 critical = -74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

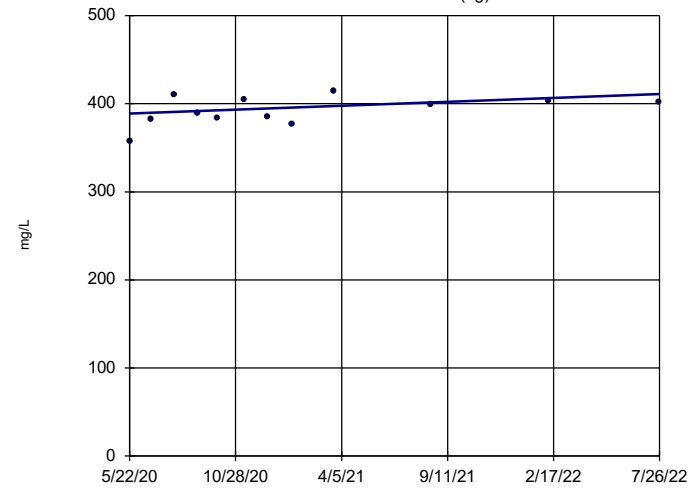
BGWA-33 (bg)



n = 9
 Slope = -8.072 units per year.
 Mann-Kendall statistic = -8
 critical = -25
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Sen's Slope Estimator

BGWA-47D (bg)



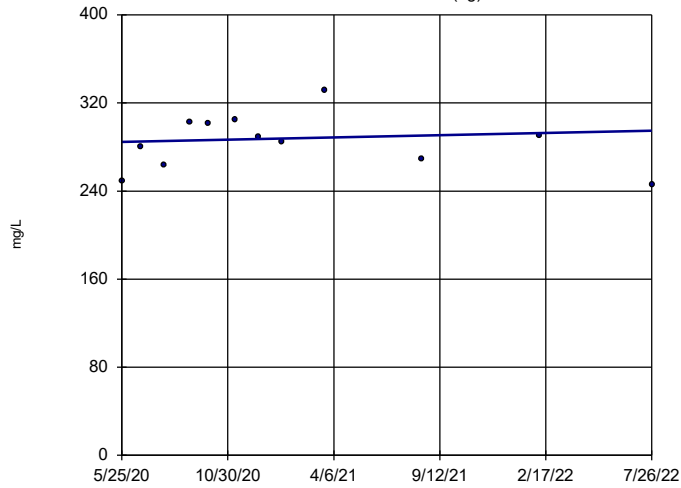
n = 12
 Slope = 10.2 units per year.
 Mann-Kendall statistic = 20
 critical = 38
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

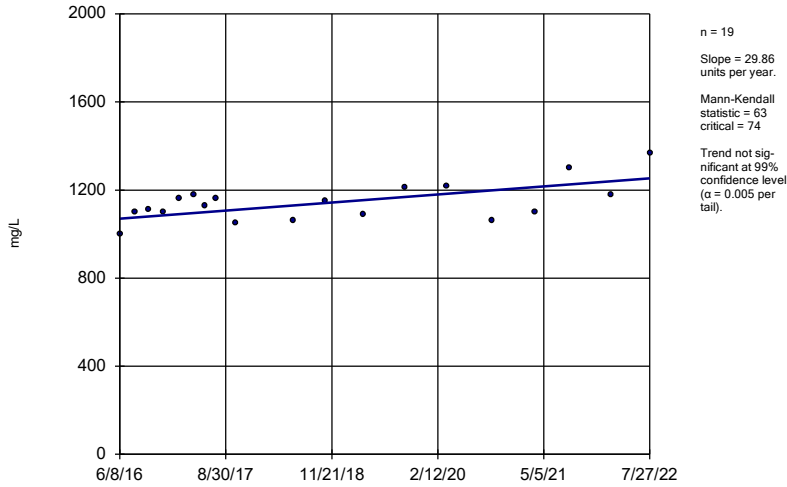
Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

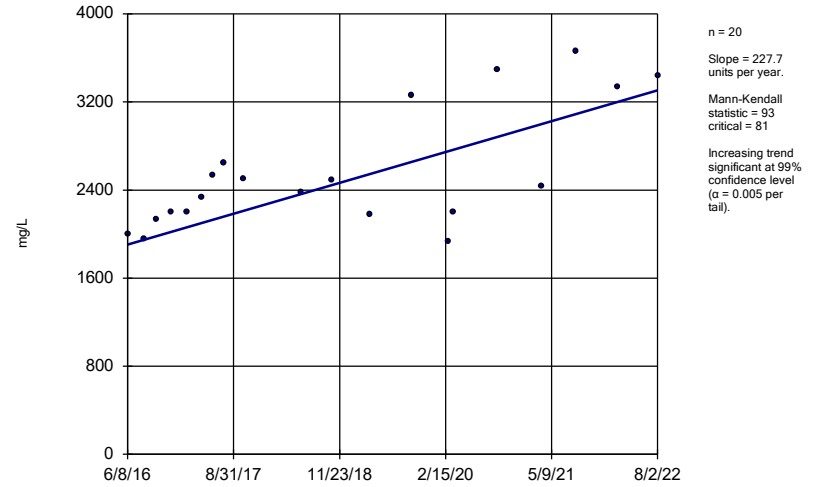


Sen's Slope Estimator BGWC-20

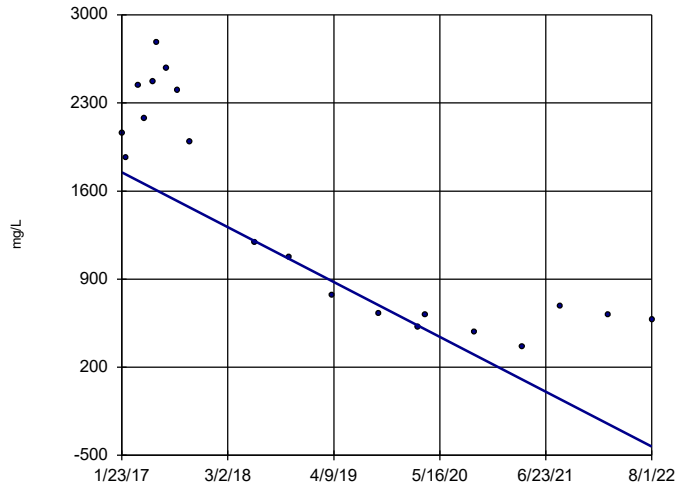


Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-22



Sen's Slope Estimator BGWC-30



Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator BGWC-7

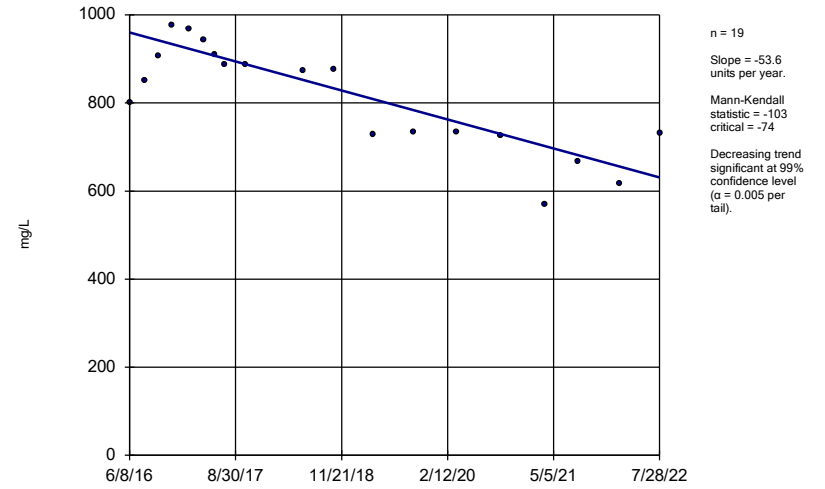


FIGURE F.

Upper Tolerance Limits Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 8:35 PM

Constituent	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	0.0042	n/a	n/a	n/a	n/a	70	57.14	n/a	0.02758	NP Inter(NDs)
Arsenic (mg/L)	0.01	n/a	n/a	n/a	n/a	80	50	n/a	0.01652	NP Inter(normality)
Barium (mg/L)	0.218	n/a	n/a	n/a	n/a	80	0	n/a	0.01652	NP Inter(normality)
Beryllium (mg/L)	0.0005	n/a	n/a	n/a	n/a	76	98.68	n/a	0.02028	NP Inter(NDs)
Cadmium (mg/L)	0.0005	n/a	n/a	n/a	n/a	80	97.5	n/a	0.01652	NP Inter(NDs)
Chromium (mg/L)	0.005	n/a	n/a	n/a	n/a	76	60.53	n/a	0.02028	NP Inter(NDs)
Cobalt (mg/L)	0.005	n/a	n/a	n/a	n/a	81	91.36	n/a	0.01569	NP Inter(NDs)
Combined Radium 226 + 228 (pCi/L)	1.665	n/a	n/a	n/a	n/a	79	0	No	0.05	Inter
Fluoride (mg/L)	0.57	n/a	n/a	n/a	n/a	83	49.4	n/a	0.01416	NP Inter(normality)
Lead (mg/L)	0.0024	n/a	n/a	n/a	n/a	76	64.47	n/a	0.02028	NP Inter(NDs)
Lithium (mg/L)	0.03	n/a	n/a	n/a	n/a	80	81.25	n/a	0.01652	NP Inter(NDs)
Mercury (mg/L)	0.00022	n/a	n/a	n/a	n/a	76	90.79	n/a	0.02028	NP Inter(NDs)
Molybdenum (mg/L)	0.034	n/a	n/a	n/a	n/a	82	53.66	n/a	0.01491	NP Inter(NDs)
Selenium (mg/L)	0.005	n/a	n/a	n/a	n/a	76	86.84	n/a	0.02028	NP Inter(NDs)
Thallium (mg/L)	0.001	n/a	n/a	n/a	n/a	80	83.75	n/a	0.01652	NP Inter(NDs)

FIGURE G.

BOWEN ASH POND 1 GWPS				
Constituent Name	MCL	CCR-Rule Specified	Background Limit	GWPS
Antimony, Total (mg/L)	0.006		0.0042	0.006
Arsenic, Total (mg/L)	0.01		0.01	0.01
Barium, Total (mg/L)	2		0.22	2
Beryllium, Total (mg/L)	0.004		0.0005	0.004
Cadmium, Total (mg/L)	0.005		0.0005	0.005
Chromium, Total (mg/L)	0.1		0.005	0.1
Cobalt, Total (mg/L)		0.006	0.005	0.006
Combined Radium, Total (pCi/L)	5		1.67	5
Fluoride, Total (mg/L)	4		0.57	4
Lead, Total (mg/L)		0.015	0.0024	0.015
Lithium, Total (mg/L)		0.04	0.03	0.04
Mercury, Total (mg/L)	0.002		0.0002	0.002
Molybdenum, Total (mg/L)		0.1	0.034	0.1
Selenium, Total (mg/L)	0.05		0.005	0.05
Thallium, Total (mg/L)	0.002		0.001	0.002

**GWPS = Groundwater Protection Standard*

**MCL = Maximum Contaminant Level*

**CCR = Coal Combustion Residuals*

FIGURE H.

Confidence Intervals - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:41 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	BGWC-34D	0.01848	0.01522	0.01	Yes	13	0.01685	0.002193	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-22	0.02671	0.01664	0.006	Yes	25	0.02168	0.01011	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2157	0.1354	0.1	Yes	9	0.1756	0.04157	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	BGWC-10	0.003	0.0022	0.006	No	18	0.002822	0.0004292	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-14A	0.003	0.00061	0.006	No	13	0.002608	0.0009578	84.62	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-16	0.003	0.0004	0.006	No	18	0.002856	0.0006128	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-17	0.003	0.0002	0.006	No	18	0.002844	0.00066	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-19	0.003	0.0005	0.006	No	18	0.002861	0.0005893	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-20	0.003	0.0014	0.006	No	18	0.002772	0.0006807	88.89	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-21	0.003	0.0017	0.006	No	17	0.002829	0.0004845	88.24	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-22	0.003	0.0023	0.006	No	18	0.00276	0.0006713	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-23	0.03	0.0014	0.006	No	18	0.02046	0.0139	66.67	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-24	0.03	0.0032	0.006	No	18	0.02231	0.01279	72.22	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-25	0.003	0.0013	0.006	No	18	0.002906	0.0004007	94.44	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-31	0.003	0.00038	0.006	No	8	0.002673	0.0009263	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-32	0.003	0.00036	0.006	No	8	0.002344	0.001215	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-34D	0.003	0.00049	0.006	No	8	0.00241	0.001095	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-35D	0.003	0.00064	0.006	No	8	0.002413	0.001088	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-36D	0.003	0.00096	0.006	No	8	0.002745	0.0007212	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-37D	0.003	0.00041	0.006	No	8	0.002576	0.000919	75	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-38D	0.005625	0.0002504	0.006	No	8	0.00334	0.003358	25	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-40	0.003	0.0005	0.006	No	8	0.002688	0.0008839	87.5	None	No	0.004	NP (NDs)
Antimony (mg/L)	BGWC-41D	0.003	0.0014	0.006	No	6	0.002467	0.0008262	66.67	None	No	0.0155	NP (NDs)
Antimony (mg/L)	BGWC-42D	0.001729	0.0003839	0.006	No	6	0.001892	0.0009957	33.33	Kaplan-Meier	No	0.01	Param.
Antimony (mg/L)	BGWC-43D	0.003	0.00058	0.006	No	6	0.002248	0.001169	66.67	Kaplan-Meier	No	0.0155	NP (NDs)
Antimony (mg/L)	BGWC-44D	0.00628	0.0005142	0.006	No	6	0.003217	0.002917	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Antimony (mg/L)	BGWC-49D	0.003	0.00039	0.006	No	4	0.002348	0.001305	75	Kaplan-Meier	No	0.0625	NP (NDs)
Antimony (mg/L)	BGWC-50D	0.003	0.0019	0.006	No	4	0.002725	0.00055	75	None	No	0.0625	NP (NDs)
Antimony (mg/L)	BGWC-51	0.003	0.0019	0.006	No	6	0.002817	0.0004491	83.33	None	No	0.0155	NP (NDs)
Antimony (mg/L)	BGWC-52	0.003	0.00053	0.006	No	6	0.002047	0.001138	50	None	No	0.0155	NP (normality)
Antimony (mg/L)	BGWC-7	0.003	0.0016	0.006	No	18	0.00255	0.0009109	77.78	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-8	0.003	0.00059	0.006	No	18	0.002581	0.0009657	83.33	None	No	0.01	NP (NDs)
Antimony (mg/L)	BGWC-9	0.003	0.0014	0.006	No	17	0.002461	0.001026	76.47	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWA-6	0.005	0.0011	0.01	No	19	0.003551	0.00197	63.16	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-10	0.007347	0.00569	0.01	No	22	0.006518	0.001544	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-12	0.005	0.00085	0.01	No	22	0.002638	0.001996	36.36	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-14A	0.005	0.0011	0.01	No	13	0.004038	0.001601	69.23	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-16	0.005	0.00074	0.01	No	22	0.003281	0.002126	59.09	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-17	0.005	0.0012	0.01	No	22	0.003532	0.002006	63.64	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-18	0.005	0.0013	0.01	No	22	0.003514	0.002043	63.64	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-19	0.005	0.00074	0.01	No	22	0.003125	0.002135	54.55	None	No	0.01	NP (NDs)
Arsenic (mg/L)	BGWC-20	0.005	0.0015	0.01	No	22	0.002928	0.001844	40.91	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-21	0.005	0.00087	0.01	No	21	0.002971	0.002023	47.62	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-22	0.0036	0.0016	0.01	No	22	0.004632	0.00672	9.091	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-23	0.004004	0.001712	0.01	No	22	0.003854	0.005088	4.545	None	ln(x)	0.01	Param.
Arsenic (mg/L)	BGWC-24	0.005413	0.002903	0.01	No	23	0.0044	0.002652	13.04	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-25	0.002976	0.002088	0.01	No	22	0.002577	0.0009045	4.545	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-30	0.005	0.001	0.01	No	22	0.002846	0.001907	36.36	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-31	0.005654	0.003837	0.01	No	11	0.004745	0.00109	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-32	0.002859	0.000915	0.01	No	11	0.002466	0.001663	18.18	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-34D	0.01848	0.01522	0.01	Yes	13	0.01685	0.002193	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-35D	0.003649	0.001267	0.01	No	11	0.002505	0.001576	9.091	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-36D	0.005	0.00064	0.01	No	11	0.002883	0.002083	45.45	None	No	0.006	NP (normality)
Arsenic (mg/L)	BGWC-37D	0.03294	0.009806	0.01	No	8	0.02138	0.01091	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-38D	0.004037	0.001288	0.01	No	8	0.002662	0.001297	12.5	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-39	0.0055	0.00055	0.01	No	8	0.003956	0.001772	37.5	None	No	0.004	NP (selected)
Arsenic (mg/L)	BGWC-40	0.002874	0.0006583	0.01	No	8	0.002979	0.001892	37.5	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-41D	0.005539	0.0005345	0.01	No	6	0.003037	0.001821	0	None	No	0.01	Param.

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	BGWC-42D	0.00887	0.001063	0.01	No	6	0.004967	0.002842	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-43D	0.005018	0.0005427	0.01	No	6	0.002465	0.001752	0	None	sqrt(x)	0.01	Param.
Arsenic (mg/L)	BGWC-44D	0.007489	0.001711	0.01	No	6	0.0046	0.002103	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-49D	0.0076	0.0023	0.01	No	4	0.00465	0.002453	0	None	No	0.0625	NP (selected)
Arsenic (mg/L)	BGWC-50D	0.004488	0.0009123	0.01	No	4	0.0027	0.0007874	0	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-51	0.006208	0.001125	0.01	No	6	0.0043	0.001826	33.33	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-52	0.002738	0.0006572	0.01	No	6	0.002798	0.001835	33.33	Kaplan-Meier	No	0.01	Param.
Arsenic (mg/L)	BGWC-7	0.002772	0.001991	0.01	No	22	0.002382	0.0007274	9.091	None	No	0.01	Param.
Arsenic (mg/L)	BGWC-8	0.005	0.00065	0.01	No	22	0.002499	0.002147	40.91	None	No	0.01	NP (normality)
Arsenic (mg/L)	BGWC-9	0.002829	0.002123	0.01	No	21	0.002476	0.0006395	9.524	None	No	0.01	Param.
Barium (mg/L)	BGWA-6	0.016	0.0114	2	No	19	0.01792	0.01284	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-10	0.05901	0.04572	2	No	22	0.05236	0.01238	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-12	0.03701	0.03057	2	No	22	0.03379	0.005999	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-14A	0.04203	0.03212	2	No	13	0.03708	0.006664	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-16	0.03029	0.02741	2	No	22	0.02885	0.002676	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-17	0.01844	0.01568	2	No	22	0.01713	0.002654	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-18	0.03508	0.03019	2	No	22	0.03263	0.004555	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-19	0.03837	0.03172	2	No	22	0.03505	0.00619	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-20	0.03403	0.03088	2	No	22	0.03245	0.002928	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-21	0.04332	0.03236	2	No	21	0.03784	0.009932	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-22	0.09069	0.08065	2	No	22	0.08567	0.009353	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-23	0.11	0.085	2	No	22	0.0988	0.01433	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-24	0.1076	0.07675	2	No	23	0.09216	0.02945	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-25	0.02513	0.01829	2	No	22	0.02203	0.006693	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-30	0.191	0.074	2	No	22	0.1196	0.05938	0	None	No	0.01	NP (normality)
Barium (mg/L)	BGWC-31	0.04429	0.03486	2	No	11	0.03964	0.005971	0	None	x^(1/3)	0.01	Param.
Barium (mg/L)	BGWC-32	0.1222	0.09054	2	No	11	0.1065	0.01946	0	None	sqrt(x)	0.01	Param.
Barium (mg/L)	BGWC-34D	0.04969	0.03721	2	No	11	0.04345	0.007488	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-35D	0.09933	0.0663	2	No	11	0.08282	0.01982	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-36D	0.084	0.062	2	No	11	0.07264	0.01407	0	None	No	0.006	NP (normality)
Barium (mg/L)	BGWC-37D	0.12	0.087	2	No	8	0.09625	0.01078	0	None	No	0.004	NP (normality)
Barium (mg/L)	BGWC-38D	0.2032	0.09383	2	No	8	0.1485	0.05158	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-39	0.08089	0.04711	2	No	8	0.064	0.01594	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-40	0.05858	0.04542	2	No	8	0.052	0.006211	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-41D	0.06516	0.04817	2	No	6	0.05667	0.006186	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-42D	0.1381	0.06152	2	No	6	0.09983	0.02789	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-43D	0.08084	0.06183	2	No	6	0.07133	0.006919	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-44D	0.02602	0.01965	2	No	6	0.02283	0.002317	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-49D	0.1072	0.04781	2	No	4	0.0775	0.01308	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-50D	0.06629	0.01421	2	No	4	0.04025	0.01147	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-51	0.06959	0.006781	2	No	6	0.03818	0.02286	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-52	0.1027	0.01995	2	No	6	0.06133	0.03012	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-7	0.0389	0.03301	2	No	22	0.03595	0.005493	0	None	No	0.01	Param.
Barium (mg/L)	BGWC-8	0.03052	0.02708	2	No	22	0.02808	0.00561	0	None	x^3	0.01	Param.
Barium (mg/L)	BGWC-9	0.03168	0.02743	2	No	21	0.02955	0.003848	0	None	No	0.01	Param.
Beryllium (mg/L)	BGWC-12	0.0005	0.000076	0.004	No	20	0.0004561	0.0001352	90	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-16	0.003	0.00012	0.004	No	20	0.001414	0.001472	45	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-17	0.0005	0.000065	0.004	No	20	0.0004119	0.0001808	80	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-18	0.0005	0.000076	0.004	No	20	0.000351	0.0002086	65	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-19	0.003	0.00008	0.004	No	20	0.00183	0.001471	60	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-22	0.003	0.00011	0.004	No	20	0.001409	0.001477	45	None	No	0.01	NP (normality)
Beryllium (mg/L)	BGWC-23	0.0005	0.000054	0.004	No	20	0.0004777	0.00009973	95	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-24	0.0005	0.00017	0.004	No	21	0.0003697	0.0001744	61.9	None	No	0.01	NP (NDs)
Beryllium (mg/L)	BGWC-36D	0.0005	0.0005	0.004	No	10	0.000457	0.000136	90	None	No	0.011	NP (NDs)
Beryllium (mg/L)	BGWC-38D	0.0005	0.000054	0.004	No	8	0.0002826	0.0002326	50	None	No	0.004	NP (normality)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	BGWC-39	0.0005	0.000079	0.004	No	8	0.0004474	0.0001488	87.5	None	No	0.004	NP (NDs)
Beryllium (mg/L)	BGWC-51	0.0001879	0.00006138	0.004	No	6	0.0001838	0.0001626	16.67	Kaplan-Meier	sqrt(x)	0.01	Param.
Beryllium (mg/L)	BGWC-52	0.0005	0.000052	0.004	No	6	0.0004253	0.0001829	83.33	None	No	0.0155	NP (NDs)
Cadmium (mg/L)	BGWC-14A	0.0005	0.00016	0.005	No	13	0.0003208	0.0001599	38.46	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-16	0.001693	0.001307	0.005	No	22	0.0015	0.0003599	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-17	0.0005	0.00015	0.005	No	22	0.0003027	0.0001739	40.91	None	No	0.01	NP (normality)
Cadmium (mg/L)	BGWC-18	0.0003808	0.0001718	0.005	No	22	0.0004251	0.0001792	50	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	BGWC-19	0.0005	0.0002	0.005	No	22	0.00045	0.00013	86.36	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-20	0.0005	0.00008	0.005	No	22	0.0004809	0.00008954	95.45	Kaplan-Meier	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-22	0.005	0.00033	0.005	No	22	0.00348	0.002279	68.18	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-23	0.0005	0.00019	0.005	No	22	0.0004859	0.00006609	95.45	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-24	0.00562	0.003048	0.005	No	23	0.004334	0.002459	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-30	0.0005	0.0003	0.005	No	22	0.0004172	0.0001357	54.55	None	No	0.01	NP (NDs)
Cadmium (mg/L)	BGWC-38D	0.00081	0.00032	0.005	No	8	0.0005163	0.0001344	75	None	No	0.004	NP (NDs)
Cadmium (mg/L)	BGWC-39	0.0002541	0.0001271	0.005	No	8	0.0003063	0.00017	37.5	Kaplan-Meier	ln(x)	0.01	Param.
Cadmium (mg/L)	BGWC-43D	0.001505	0.00001214	0.005	No	6	0.0007583	0.0005432	0	None	No	0.01	Param.
Cadmium (mg/L)	BGWC-51	0.000601	0.0002156	0.005	No	6	0.0004783	0.0001289	33.33	Kaplan-Meier	No	0.01	Param.
Cadmium (mg/L)	BGWC-52	0.0005	0.00018	0.005	No	6	0.0003517	0.0001645	50	None	No	0.0155	NP (normality)
Chromium (mg/L)	BGWA-6	0.005	0.0044	0.1	No	18	0.004772	0.0008288	88.89	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-10	0.005	0.0011	0.1	No	20	0.004805	0.0008721	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-12	0.005	0.00079	0.1	No	20	0.003881	0.00199	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-14A	0.026	0.005	0.1	No	13	0.006615	0.005824	92.31	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-16	0.005	0.0019	0.1	No	20	0.00463	0.001154	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-17	0.005	0.00044	0.1	No	20	0.004541	0.001411	90	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-18	0.005	0.0011	0.1	No	20	0.00436	0.001565	85	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-20	0.005	0.0011	0.1	No	20	0.003721	0.001822	60	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-21	0.005	0.0025	0.1	No	19	0.004627	0.001171	89.47	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-23	0.005	0.0033	0.1	No	20	0.00414	0.00162	75	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-24	0.005	0.0009	0.1	No	21	0.00438	0.001556	85.71	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-25	0.005	0.0021	0.1	No	20	0.004855	0.0006485	95	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-30	0.005	0.00082	0.1	No	20	0.002315	0.002035	35	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-31	0.005	0.00064	0.1	No	10	0.00373	0.00205	70	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-32	0.005	0.00062	0.1	No	10	0.003241	0.002137	50	None	No	0.011	NP (normality)
Chromium (mg/L)	BGWC-35D	0.005	0.00072	0.1	No	10	0.003749	0.002017	70	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-36D	0.005	0.00057	0.1	No	10	0.003274	0.002232	60	None	No	0.011	NP (NDs)
Chromium (mg/L)	BGWC-37D	0.005	0.00068	0.1	No	8	0.00392	0.002	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-38D	0.005	0.00042	0.1	No	8	0.00419	0.001662	75	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-39	0.005	0.001	0.1	No	8	0.0045	0.001414	87.5	None	No	0.004	NP (NDs)
Chromium (mg/L)	BGWC-40	0.005	0.00043	0.1	No	8	0.002342	0.002209	37.5	None	No	0.004	NP (normality)
Chromium (mg/L)	BGWC-41D	0.005	0.00068	0.1	No	6	0.00428	0.001764	83.33	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-42D	0.005	0.00062	0.1	No	6	0.00362	0.002143	66.67	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-43D	0.005	0.0024	0.1	No	6	0.004567	0.001061	83.33	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-44D	0.005	0.00093	0.1	No	6	0.003645	0.002099	66.67	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-49D	0.005	0.00071	0.1	No	4	0.003927	0.002145	75	None	No	0.0625	NP (NDs)
Chromium (mg/L)	BGWC-51	0.005	0.0006	0.1	No	6	0.004267	0.001796	83.33	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-52	0.005	0.00061	0.1	No	6	0.003652	0.0021	66.67	None	No	0.0155	NP (NDs)
Chromium (mg/L)	BGWC-7	0.005	0.00095	0.1	No	20	0.004355	0.001576	85	None	No	0.01	NP (NDs)
Chromium (mg/L)	BGWC-8	0.005	0.0011	0.1	No	20	0.00542	0.01367	25	None	No	0.01	NP (normality)
Chromium (mg/L)	BGWC-9	0.005	0.002	0.1	No	19	0.004842	0.0006882	94.74	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWA-6	0.005	0.0005	0.006	No	19	0.003126	0.002264	57.89	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-10	0.005	0.00056	0.006	No	22	0.003551	0.002171	68.18	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-12	0.005	0.00048	0.006	No	22	0.002745	0.002311	50	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-14A	0.002338	0.0009874	0.006	No	13	0.002785	0.001713	30.77	Kaplan-Meier	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BGWC-16	0.008105	0.005468	0.006	No	22	0.006786	0.002456	4.545	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-17	0.005	0.00015	0.006	No	22	0.00478	0.001034	95.45	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cobalt (mg/L)	BGWC-18	0.005	0.0009	0.006	No	22	0.003992	0.001906	77.27	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-19	0.005	0.000072	0.006	No	22	0.004776	0.001051	95.45	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-20	0.005	0.0008	0.006	No	22	0.004382	0.001595	86.36	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-21	0.005	0.00058	0.006	No	21	0.002675	0.002137	42.86	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-22	0.02671	0.01664	0.006	Yes	25	0.02168	0.01011	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-23	0.005	0.00058	0.006	No	24	0.003716	0.002054	70.83	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-24	0.004065	0.002943	0.006	No	25	0.003504	0.001125	12	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-25	0.005	0.0006	0.006	No	22	0.004583	0.001352	90.91	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-30	0.005	0.0009	0.006	No	24	0.003297	0.002079	58.33	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-31	0.005	0.00036	0.006	No	11	0.002531	0.002367	45.45	None	No	0.006	NP (normality)
Cobalt (mg/L)	BGWC-32	0.007733	0.002582	0.006	No	13	0.005158	0.003463	7.692	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-34D	0.005	0.00042	0.006	No	11	0.001524	0.001743	18.18	None	No	0.006	NP (normality)
Cobalt (mg/L)	BGWC-35D	0.002864	0.0008607	0.006	No	11	0.001907	0.001371	9.091	None	sqrt(x)	0.01	Param.
Cobalt (mg/L)	BGWC-36D	0.005	0.00049	0.006	No	11	0.002638	0.002269	45.45	None	No	0.006	NP (normality)
Cobalt (mg/L)	BGWC-37D	0.001974	0.000586	0.006	No	8	0.00128	0.0006547	12.5	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-38D	0.007152	0.001413	0.006	No	9	0.004311	0.003997	0	None	x^(1/3)	0.01	Param.
Cobalt (mg/L)	BGWC-39	0.005	0.00047	0.006	No	9	0.00382	0.001941	66.67	None	No	0.002	NP (NDs)
Cobalt (mg/L)	BGWC-40	0.0005932	0.0004468	0.006	No	8	0.00052	0.00006908	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-41D	0.005	0.0004	0.006	No	6	0.00202	0.002311	33.33	None	No	0.0155	NP (normality)
Cobalt (mg/L)	BGWC-43D	0.005927	0.002359	0.006	No	7	0.004143	0.001502	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-49D	0.001165	0.0004948	0.006	No	4	0.00083	0.0001476	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-50D	0.002057	0.0001478	0.006	No	4	0.001103	0.0004205	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-52	0.005006	0.0003471	0.006	No	6	0.002677	0.001696	0	None	No	0.01	Param.
Cobalt (mg/L)	BGWC-7	0.00091	0.00068	0.006	No	22	0.002431	0.003654	18.18	None	No	0.01	NP (normality)
Cobalt (mg/L)	BGWC-8	0.005	0.0012	0.006	No	22	0.004168	0.001818	81.82	None	No	0.01	NP (NDs)
Cobalt (mg/L)	BGWC-9	0.005	0.0006	0.006	No	21	0.00434	0.001658	85.71	None	No	0.01	NP (NDs)
Combined Radium 226 + 228 (pCi/L)	BGWA-6	0.7035	0.3247	5	No	19	0.546	0.3493	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-10	1.443	0.9789	5	No	22	1.237	0.4758	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-12	0.741	0.3445	5	No	22	0.5427	0.3693	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-14A	1.316	0.5696	5	No	13	0.9428	0.502	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-16	1.199	0.7064	5	No	22	0.9525	0.4585	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-17	0.8295	0.4521	5	No	22	0.6408	0.3515	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-18	1.034	0.5819	5	No	22	0.8455	0.4851	0	None	sqrt(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-19	1.113	0.6589	5	No	22	0.8859	0.4228	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-20	1.433	0.9253	5	No	22	1.179	0.4728	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-21	0.8437	0.4975	5	No	21	0.6706	0.3138	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-22	2.9	2.023	5	No	22	2.461	0.8172	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-23	1.876	1.131	5	No	22	1.504	0.6938	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-24	3.504	1.927	5	No	22	3.109	2.64	0	None	ln(x)	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-25	0.9359	0.5206	5	No	22	0.7283	0.3869	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-30	2.16	1.191	5	No	21	1.676	0.878	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-31	1.809	1.015	5	No	11	1.412	0.4763	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-32	2.156	1.197	5	No	11	1.677	0.5753	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-34D	2.881	1.681	5	No	11	2.281	0.7197	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-35D	3.1	1.931	5	No	11	2.515	0.7013	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-36D	2.347	1.305	5	No	11	1.826	0.6253	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-37D	3.297	2.248	5	No	8	2.773	0.4953	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-38D	5.91	3.34	5	No	8	4.681	1.112	0	None	No	0.004	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BGWC-39	1.582	0.4558	5	No	8	1.019	0.5313	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-40	1.028	0.3254	5	No	8	0.6766	0.3314	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-41D	1.855	0.6455	5	No	6	1.251	0.4404	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-42D	1.38	0.461	5	No	6	0.747	0.3791	0	None	No	0.0155	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BGWC-43D	2.031	1.012	5	No	6	1.522	0.371	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-44D	1.512	0.5095	5	No	6	1.011	0.3647	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-49D	3.66	2.36	5	No	4	2.72	0.6277	0	None	No	0.0625	NP (normality)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Combined Radium 226 + 228 (pCi/L)	BGWC-50D	1.4	0.99	5	No	4	1.1	0.2002	0	None	No	0.0625	NP (normality)
Combined Radium 226 + 228 (pCi/L)	BGWC-51	0.7936	0.3971	5	No	6	0.5953	0.1443	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-52	1.755	0.1934	5	No	6	0.9743	0.5685	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-7	1.656	1.206	5	No	22	1.431	0.4198	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-8	0.8046	0.397	5	No	22	0.6008	0.3797	0	None	No	0.01	Param.
Combined Radium 226 + 228 (pCi/L)	BGWC-9	1.017	0.5059	5	No	21	0.8082	0.5265	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BGWA-6	0.1	0.06	4	No	20	0.0861	0.02728	65	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-10	0.1031	0.05459	4	No	23	0.11	0.06845	39.13	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	BGWC-12	0.12	0.08	4	No	23	0.104	0.06177	43.48	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-14A	0.1	0.055	4	No	13	0.08577	0.01993	61.54	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-16	0.1576	0.06366	4	No	23	0.135	0.1123	26.09	Kaplan-Meier	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BGWC-17	0.2131	0.1207	4	No	23	0.1899	0.1388	4.348	None	ln(x)	0.01	Param.
Fluoride (mg/L)	BGWC-18	0.14	0.08	4	No	23	0.1263	0.09818	34.78	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-19	0.11	0.07	4	No	23	0.1172	0.1113	34.78	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-20	0.13	0.062	4	No	23	0.119	0.1324	47.83	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-21	0.1	0.066	4	No	22	0.08445	0.02606	54.55	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-22	0.34	0.23	4	No	26	0.3742	0.2814	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-23	0.1	0.068	4	No	25	0.166	0.2097	20	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-24	1.2	0.064	4	No	26	0.7825	1.077	7.692	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-25	0.09163	0.05483	4	No	23	0.092	0.03071	47.83	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-30	0.1936	0.07687	4	No	25	0.208	0.2007	20	Kaplan-Meier	ln(x)	0.01	Param.
Fluoride (mg/L)	BGWC-32	0.66	0.13	4	No	13	0.3336	0.3569	0	None	No	0.01	NP (normality)
Fluoride (mg/L)	BGWC-34D	0.1	0.053	4	No	11	0.08982	0.02301	81.82	None	No	0.006	NP (NDs)
Fluoride (mg/L)	BGWC-35D	0.26	0.13	4	No	11	0.2509	0.2234	0	None	No	0.006	NP (normality)
Fluoride (mg/L)	BGWC-36D	0.26	0.11	4	No	11	0.1673	0.09991	9.091	None	No	0.006	NP (normality)
Fluoride (mg/L)	BGWC-37D	0.4539	0.1561	4	No	8	0.305	0.1405	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-38D	0.6449	0.3662	4	No	9	0.5056	0.1443	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-39	0.1458	0.05999	4	No	9	0.1029	0.04443	11.11	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-40	0.09873	0.05745	4	No	9	0.08756	0.02295	33.33	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-41D	0.1094	0.06028	4	No	7	0.08486	0.02069	14.29	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-42D	0.6857	0.4068	4	No	8	0.5463	0.1316	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-43D	1.099	0.8194	4	No	9	0.9589	0.1486	0	None	sqrt(x)	0.01	Param.
Fluoride (mg/L)	BGWC-44D	0.16	0.088	4	No	7	0.1083	0.02368	57.14	None	No	0.008	NP (NDs)
Fluoride (mg/L)	BGWC-49D	0.1073	0.03467	4	No	4	0.0855	0.02124	50	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-50D	0.1296	0.0489	4	No	4	0.0945	0.01969	25	Kaplan-Meier	No	0.01	Param.
Fluoride (mg/L)	BGWC-51	0.1735	0.07355	4	No	6	0.1235	0.03636	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-52	0.1361	0.07262	4	No	6	0.1043	0.02309	0	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-7	0.1803	0.1238	4	No	23	0.152	0.05394	4.348	None	No	0.01	Param.
Fluoride (mg/L)	BGWC-8	0.1	0.067	4	No	23	0.08035	0.02994	60.87	None	No	0.01	NP (NDs)
Fluoride (mg/L)	BGWC-9	0.2054	0.1011	4	No	22	0.1818	0.1443	0	None	ln(x)	0.01	Param.
Lead (mg/L)	BGWA-6	0.001	0.00016	0.015	No	18	0.0007973	0.0003908	77.78	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-10	0.001	0.00019	0.015	No	20	0.0009165	0.0002571	90	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-12	0.001	0.00013	0.015	No	20	0.0006824	0.0004148	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-14A	0.001	0.000062	0.015	No	13	0.0007155	0.0004444	69.23	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-16	0.001	0.00014	0.015	No	20	0.0006665	0.0004221	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-17	0.001	0.000079	0.015	No	20	0.000954	0.0002059	95	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-18	0.001	0.0001	0.015	No	20	0.0006886	0.000436	65	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-19	0.001	0.0006	0.015	No	20	0.0009319	0.0002286	90	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-20	0.001	0.0001	0.015	No	20	0.0009092	0.0002796	90	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-21	0.001	0.000068	0.015	No	19	0.0006571	0.0004614	63.16	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-22	0.001	0.00033	0.015	No	20	0.0007848	0.000386	75	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-23	0.001	0.00031	0.015	No	20	0.0009225	0.0002401	90	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-24	0.001	0.0001	0.015	No	21	0.0007585	0.0004057	71.43	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-25	0.001	0.0002	0.015	No	20	0.0007013	0.0003977	60	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-30	0.001	0.00016	0.015	No	20	0.0005895	0.0004255	50	None	No	0.01	NP (normality)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	BGWC-31	0.0007894	0.0002104	0.015	No	10	0.0006766	0.0003878	30	Kaplan-Meier	No	0.01	Param.
Lead (mg/L)	BGWC-32	0.001	0.00011	0.015	No	10	0.0008182	0.0003834	80	Kaplan-Meier	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-34D	0.001	0.001	0.015	No	10	0.0009054	0.0002992	90	Kaplan-Meier	No	0.011	NP (NDs)
Lead (mg/L)	BGWC-35D	0.0002864	0.0001099	0.015	No	10	0.0005209	0.0004201	40	Kaplan-Meier	x^(1/3)	0.01	Param.
Lead (mg/L)	BGWC-36D	0.001	0.00014	0.015	No	10	0.000592	0.0003893	40	None	No	0.011	NP (normality)
Lead (mg/L)	BGWC-37D	0.001	0.000073	0.015	No	8	0.0005694	0.0004652	50	None	No	0.004	NP (normality)
Lead (mg/L)	BGWC-38D	0.001	0.00016	0.015	No	8	0.0007038	0.0004096	62.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-39	0.001	0.0001	0.015	No	8	0.0008875	0.0003182	87.5	None	No	0.004	NP (NDs)
Lead (mg/L)	BGWC-40	0.001	0.00014	0.015	No	8	0.0004838	0.0004286	37.5	None	No	0.004	NP (normality)
Lead (mg/L)	BGWC-41D	0.001	0.000036	0.015	No	6	0.0008393	0.0003936	83.33	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-42D	0.001	0.000041	0.015	No	6	0.0006808	0.0004945	66.67	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-43D	0.001	0.00012	0.015	No	6	0.0008533	0.0003593	83.33	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-44D	0.001	0.00017	0.015	No	6	0.0008617	0.0003388	83.33	None	No	0.0155	NP (NDs)
Lead (mg/L)	BGWC-49D	0.001	0.000044	0.015	No	4	0.000761	0.000478	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	BGWC-50D	0.001	0.00014	0.015	No	4	0.000785	0.00043	75	None	No	0.0625	NP (NDs)
Lead (mg/L)	BGWC-51	0.001	0.00015	0.015	No	6	0.0005883	0.0004516	50	None	No	0.0155	NP (normality)
Lead (mg/L)	BGWC-52	0.001	0.000054	0.015	No	6	0.000544	0.0004999	50	None	No	0.0155	NP (normality)
Lead (mg/L)	BGWC-8	0.001	0.0003	0.015	No	20	0.0008345	0.0003414	80	None	No	0.01	NP (NDs)
Lead (mg/L)	BGWC-9	0.001	0.000082	0.015	No	19	0.0005931	0.0004506	52.63	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWA-6	0.03	0.00082	0.04	No	19	0.02846	0.006694	94.74	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-10	0.03	0.00093	0.04	No	22	0.01061	0.01361	31.82	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-12	0.05	0.001	0.04	No	22	0.02554	0.02504	50	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-14A	0.03	0.00087	0.04	No	13	0.01658	0.01508	53.85	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-16	0.03	0.00049	0.04	No	22	0.02866	0.006292	95.45	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-17	0.03	0.00069	0.04	No	22	0.02867	0.006249	95.45	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-20	0.02715	0.01888	0.04	No	22	0.02302	0.007705	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-22	0.02904	0.01836	0.04	No	22	0.0237	0.009957	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-23	0.02475	0.01345	0.04	No	22	0.02009	0.01101	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-24	0.0082	0.0057	0.04	No	23	0.00783	0.003041	13.04	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-30	0.0171	0.0012	0.04	No	22	0.008871	0.007859	4.545	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-34D	0.03	0.00098	0.04	No	11	0.0247	0.0118	81.82	None	No	0.006	NP (NDs)
Lithium (mg/L)	BGWC-35D	0.01656	0.009623	0.04	No	11	0.01309	0.004161	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-36D	0.0044	0.0011	0.04	No	11	0.003245	0.004012	9.091	None	No	0.006	NP (normality)
Lithium (mg/L)	BGWC-37D	0.03167	0.001954	0.04	No	7	0.01506	0.01484	0	None	sqrt(x)	0.01	Param.
Lithium (mg/L)	BGWC-38D	0.01721	0.006114	0.04	No	8	0.01166	0.005235	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-39	0.005573	0.003027	0.04	No	8	0.0043	0.001201	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-40	0.03	0.00079	0.04	No	7	0.01336	0.01557	42.86	None	No	0.008	NP (normality)
Lithium (mg/L)	BGWC-41D	0.002421	0.001086	0.04	No	6	0.001753	0.0004861	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-42D	0.03	0.0012	0.04	No	5	0.00728	0.01271	20	None	No	0.031	NP (normality)
Lithium (mg/L)	BGWC-43D	0.02989	0.02211	0.04	No	6	0.026	0.002828	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-44D	0.004092	0.001908	0.04	No	6	0.003	0.000795	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-49D	0.01194	0.00386	0.04	No	4	0.0079	0.00178	0	None	No	0.01	Param.
Lithium (mg/L)	BGWC-51	0.03	0.0011	0.04	No	6	0.0113	0.01451	33.33	None	No	0.0155	NP (normality)
Lithium (mg/L)	BGWC-52	0.004071	0.0009538	0.04	No	6	0.002913	0.001209	0	None	x^3	0.01	Param.
Lithium (mg/L)	BGWC-7	0.0093	0.0074	0.04	No	22	0.009114	0.003717	4.545	None	No	0.01	NP (normality)
Lithium (mg/L)	BGWC-8	0.03	0.001	0.04	No	22	0.02868	0.006183	95.45	None	No	0.01	NP (NDs)
Lithium (mg/L)	BGWC-9	0.05	0.0013	0.04	No	21	0.0176	0.02348	33.33	None	No	0.01	NP (normality)
Mercury (mg/L)	BGWA-6	0.0002	0.000084	0.002	No	18	0.0001936	0.00002734	94.44	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-10	0.0002	0.0001	0.002	No	20	0.0001874	0.00003969	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-12	0.0002	0.0001	0.002	No	20	0.0001879	0.00003786	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-14A	0.0002	0.00016	0.002	No	13	0.0001969	0.00001109	92.31	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-16	0.0002	0.000098	0.002	No	20	0.0001949	0.00002281	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-17	0.0002303	0.0001435	0.002	No	20	0.0002065	0.0000673	20	Kaplan-Meier	No	0.01	Param.
Mercury (mg/L)	BGWC-18	0.0002	0.000079	0.002	No	20	0.0001939	0.00002706	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-19	0.0002	0.00008	0.002	No	20	0.0001865	0.00004184	90	None	No	0.01	NP (NDs)

Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	BGWC-20	0.0002	0.000066	0.002	No	20	0.0001933	0.00002996	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-22	0.0002	0.000092	0.002	No	20	0.0001867	0.00004173	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-23	0.0002	0.00005	0.002	No	20	0.0001847	0.0000471	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-24	0.0009178	0.0001149	0.002	No	21	0.001025	0.001482	19.05	Kaplan-Meier	x^(1/3)	0.01	Param.
Mercury (mg/L)	BGWC-25	0.0002	0.000047	0.002	No	20	0.0001923	0.00003421	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-30	0.0002	0.00008	0.002	No	20	0.0001505	0.0000639	60	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-31	0.0002	0.0002	0.002	No	10	0.000195	0.00001581	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	BGWC-34D	0.0002	0.0002	0.002	No	10	0.000194	0.00001897	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	BGWC-35D	0.0002	0.0002	0.002	No	10	0.000196	0.00001265	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	BGWC-36D	0.0002	0.0002	0.002	No	10	0.000198	0.000006325	90	None	No	0.011	NP (NDs)
Mercury (mg/L)	BGWC-38D	0.00028	0.0001	0.002	No	8	0.0001875	0.00005548	62.5	None	No	0.004	NP (NDs)
Mercury (mg/L)	BGWC-44D	0.0002	0.00017	0.002	No	6	0.000195	0.00001225	83.33	None	No	0.0155	NP (NDs)
Mercury (mg/L)	BGWC-51	0.0046	0.0002	0.002	No	6	0.001958	0.001738	16.67	None	No	0.0155	NP (selected)
Mercury (mg/L)	BGWC-52	0.0002	0.00019	0.002	No	6	0.0001983	0.000004082	83.33	None	No	0.0155	NP (NDs)
Mercury (mg/L)	BGWC-7	0.0002	0.000053	0.002	No	20	0.0001926	0.00003287	95	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-8	0.0002	0.00016	0.002	No	20	0.0001928	0.00002426	90	None	No	0.01	NP (NDs)
Mercury (mg/L)	BGWC-9	0.0002	0.00016	0.002	No	19	0.0001916	0.00002853	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWA-6	0.01	0.001	0.1	No	19	0.009014	0.002957	89.47	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-10	0.0036	0.0032	0.1	No	22	0.003573	0.0008172	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-14A	0.01	0.0011	0.1	No	13	0.003642	0.00373	23.08	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-19	0.01	0.00023	0.1	No	22	0.009556	0.002083	95.45	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-20	0.018	0.0127	0.1	No	22	0.01668	0.005584	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-21	0.002691	0.001651	0.1	No	21	0.004257	0.003424	23.81	Kaplan-Meier	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-22	0.0662	0.04	0.1	No	25	0.05243	0.01338	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-23	0.01272	0.01107	0.1	No	24	0.01179	0.001785	0	None	x^2	0.01	Param.
Molybdenum (mg/L)	BGWC-24	0.01	0.0024	0.1	No	25	0.006106	0.003993	48	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-25	0.01	0.0029	0.1	No	22	0.00743	0.003605	63.64	None	No	0.01	NP (NDs)
Molybdenum (mg/L)	BGWC-30	0.01246	0.005382	0.1	No	24	0.0099	0.00711	0	None	sqrt(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-31	0.01	0.01	0.1	No	11	0.009121	0.002916	90.91	None	No	0.006	NP (NDs)
Molybdenum (mg/L)	BGWC-32	0.00394	0.003144	0.1	No	12	0.003542	0.0005071	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-34D	0.0021	0.0009	0.1	No	11	0.001455	0.001226	9.091	None	No	0.006	NP (normality)
Molybdenum (mg/L)	BGWC-35D	0.03651	0.02749	0.1	No	12	0.032	0.005752	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-36D	0.01368	0.007682	0.1	No	12	0.01068	0.003825	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-37D	0.02191	0.008686	0.1	No	9	0.01556	0.00972	0	None	ln(x)	0.01	Param.
Molybdenum (mg/L)	BGWC-38D	0.1215	0.08794	0.1	No	10	0.1047	0.01878	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-39	0.008619	0.003706	0.1	No	8	0.006163	0.002318	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-40	0.01	0.00069	0.1	No	8	0.006661	0.004612	62.5	None	No	0.004	NP (NDs)
Molybdenum (mg/L)	BGWC-41D	0.01419	0.006295	0.1	No	7	0.01024	0.003324	14.29	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-42D	0.01934	0.005113	0.1	No	8	0.01223	0.00671	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-43D	0.2157	0.1354	0.1	Yes	9	0.1756	0.04157	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-44D	0.009337	0.001006	0.1	No	7	0.005171	0.003507	14.29	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-49D	0.007899	0.004001	0.1	No	4	0.00595	0.0008583	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-50D	0.005192	0.001058	0.1	No	4	0.003125	0.0009106	0	None	No	0.01	Param.
Molybdenum (mg/L)	BGWC-51	0.01	0.0027	0.1	No	6	0.008783	0.00298	83.33	None	No	0.0155	NP (NDs)
Molybdenum (mg/L)	BGWC-52	0.0053	0.0035	0.1	No	6	0.004067	0.0006346	0	None	No	0.0155	NP (normality)
Molybdenum (mg/L)	BGWC-7	0.0117	0.0098	0.1	No	22	0.01039	0.002555	0	None	No	0.01	NP (normality)
Molybdenum (mg/L)	BGWC-8	0.002599	0.00121	0.1	No	22	0.004297	0.003786	27.27	Kaplan-Meier	x^(1/3)	0.01	Param.
Molybdenum (mg/L)	BGWC-9	0.003323	0.002715	0.1	No	21	0.003019	0.000551	0	None	No	0.01	Param.
Selenium (mg/L)	BGWA-6	0.005	0.0032	0.05	No	18	0.004639	0.001161	88.89	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-12	0.005	0.0004	0.05	No	20	0.00477	0.001029	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-14A	0.005	0.0014	0.05	No	13	0.004723	0.0009985	92.31	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-16	0.005	0.0018	0.05	No	20	0.003725	0.001665	60	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-17	0.005	0.0022	0.05	No	20	0.004233	0.001603	80	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-18	0.005	0.001	0.05	No	20	0.0048	0.0008944	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-19	0.005	0.0013	0.05	No	20	0.004365	0.001557	85	None	No	0.01	NP (NDs)

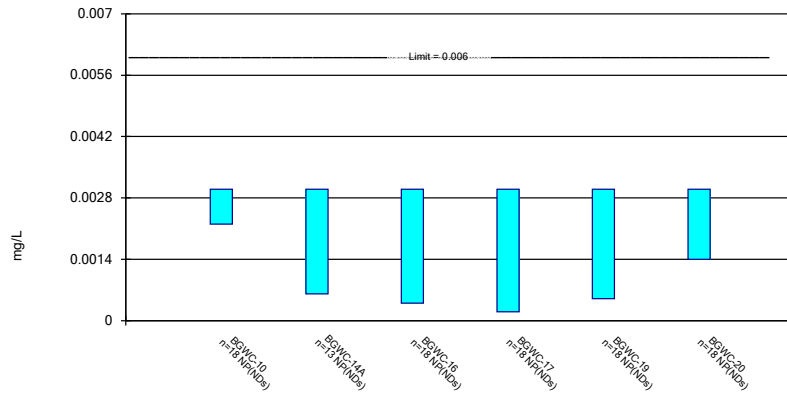
Confidence Intervals - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 12:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	BGWC-20	0.005	0.0037	0.05	No	20	0.004935	0.0002907	95	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-21	0.005	0.001	0.05	No	19	0.004533	0.001408	89.47	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-22	0.012	0.0026	0.05	No	20	0.00507	0.001848	85	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-23	0.0176	0.002	0.05	No	20	0.00548	0.00293	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-24	0.009913	0.003819	0.05	No	21	0.008971	0.008885	14.29	None	ln(x)	0.01	Param.
Selenium (mg/L)	BGWC-30	0.009712	0.005758	0.05	No	20	0.007735	0.003482	10	None	No	0.01	Param.
Selenium (mg/L)	BGWC-31	0.005	0.005	0.05	No	10	0.004508	0.001556	90	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-32	0.005	0.005	0.05	No	10	0.004515	0.001534	90	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-34D	0.005	0.005	0.05	No	10	0.00451	0.00155	90	None	No	0.011	NP (NDs)
Selenium (mg/L)	BGWC-36D	0.01212	0.005576	0.05	No	10	0.00885	0.00367	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-38D	0.005	0.003	0.05	No	8	0.00475	0.0007071	75	None	No	0.004	NP (NDs)
Selenium (mg/L)	BGWC-39	0.005	0.002	0.05	No	8	0.00425	0.001389	75	None	No	0.004	NP (NDs)
Selenium (mg/L)	BGWC-40	0.01004	0.003687	0.05	No	8	0.006863	0.002996	0	None	No	0.01	Param.
Selenium (mg/L)	BGWC-41D	0.005	0.0016	0.05	No	6	0.003867	0.001756	66.67	None	No	0.0155	NP (NDs)
Selenium (mg/L)	BGWC-42D	0.005	0.0022	0.05	No	6	0.00415	0.001326	66.67	None	No	0.0155	NP (NDs)
Selenium (mg/L)	BGWC-43D	0.005	0.0028	0.05	No	6	0.004633	0.0008981	83.33	None	No	0.0155	NP (NDs)
Selenium (mg/L)	BGWC-51	0.01488	0.0004256	0.05	No	6	0.009633	0.004643	0	None	x^2	0.01	Param.
Selenium (mg/L)	BGWC-52	0.005	0.0016	0.05	No	6	0.0039	0.001705	66.67	None	No	0.0155	NP (NDs)
Selenium (mg/L)	BGWC-8	0.005	0.00015	0.05	No	20	0.00451	0.001509	90	None	No	0.01	NP (NDs)
Selenium (mg/L)	BGWC-9	0.005	0.0014	0.05	No	19	0.003379	0.00198	57.89	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWA-6	0.001	0.000061	0.002	No	19	0.0005635	0.0004734	52.63	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-12	0.001	0.00009	0.002	No	22	0.0007901	0.0003962	77.27	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-14A	0.000488	0.0002305	0.002	No	13	0.0003592	0.0001732	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-16	0.00024	0.0002	0.002	No	22	0.0002241	0.00003347	0	None	No	0.01	NP (normality)
Thallium (mg/L)	BGWC-17	0.001	0.000085	0.002	No	22	0.0005936	0.0004575	54.55	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-18	0.001	0.000071	0.002	No	22	0.0008727	0.000328	86.36	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-19	0.001	0.000085	0.002	No	22	0.0007125	0.0004316	68.18	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-20	0.001	0.00025	0.002	No	22	0.0009295	0.0002282	90.91	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-22	0.0008177	0.0006186	0.002	No	22	0.0007182	0.0001855	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-23	0.001	0.00039	0.002	No	22	0.000775	0.0003552	68.18	None	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-24	0.0005643	0.0004218	0.002	No	23	0.000493	0.0001363	13.04	None	No	0.01	Param.
Thallium (mg/L)	BGWC-30	0.0004833	0.0002275	0.002	No	22	0.0006044	0.0003214	22.73	Kaplan-Meier	No	0.01	Param.
Thallium (mg/L)	BGWC-32	0.001	0.00013	0.002	No	11	0.0004031	0.0003955	27.27	None	No	0.006	NP (normality)
Thallium (mg/L)	BGWC-34D	0.001	0.001	0.002	No	11	0.0009172	0.0002747	90.91	None	No	0.006	NP (NDs)
Thallium (mg/L)	BGWC-35D	0.001	0.00016	0.002	No	11	0.0007007	0.0004177	63.64	None	No	0.006	NP (NDs)
Thallium (mg/L)	BGWC-36D	0.0002674	0.0001526	0.002	No	11	0.00021	0.00006885	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-38D	0.001086	0.00001754	0.002	No	8	0.0009195	0.0008227	50	Kaplan-Meier	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-39	0.001	0.00013	0.002	No	8	0.0004	0.0003731	25	None	No	0.004	NP (normality)
Thallium (mg/L)	BGWC-40	0.001	0.00014	0.002	No	8	0.0008925	0.0003041	87.5	None	No	0.004	NP (NDs)
Thallium (mg/L)	BGWC-43D	0.003439	0.001394	0.002	No	6	0.002417	0.0007441	0	None	No	0.01	Param.
Thallium (mg/L)	BGWC-51	0.001	0.0002	0.002	No	6	0.0007667	0.000367	66.67	None	No	0.0155	NP (NDs)
Thallium (mg/L)	BGWC-52	0.0004527	0.0002038	0.002	No	6	0.0005483	0.0003594	33.33	Kaplan-Meier	sqrt(x)	0.01	Param.
Thallium (mg/L)	BGWC-7	0.001	0.00023	0.002	No	22	0.000697	0.0004139	63.64	Kaplan-Meier	No	0.01	NP (NDs)
Thallium (mg/L)	BGWC-9	0.001	0.00022	0.002	No	21	0.0008793	0.0003041	85.71	Kaplan-Meier	No	0.01	NP (NDs)

Non-Parametric Confidence Interval

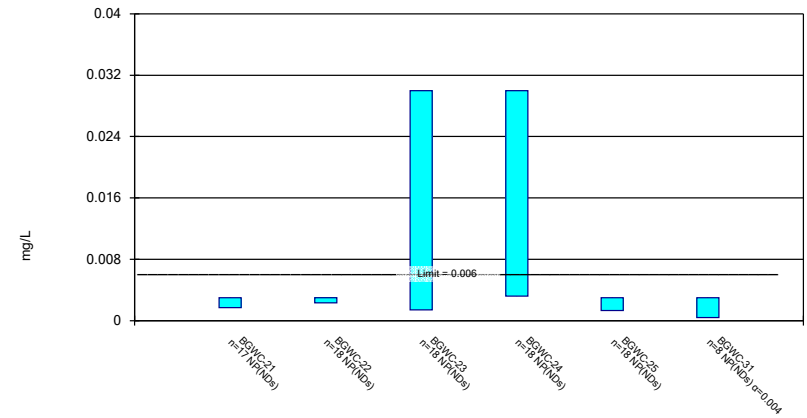
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Constituent: Antimony Analysis Run 4/18/2023 12:35 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

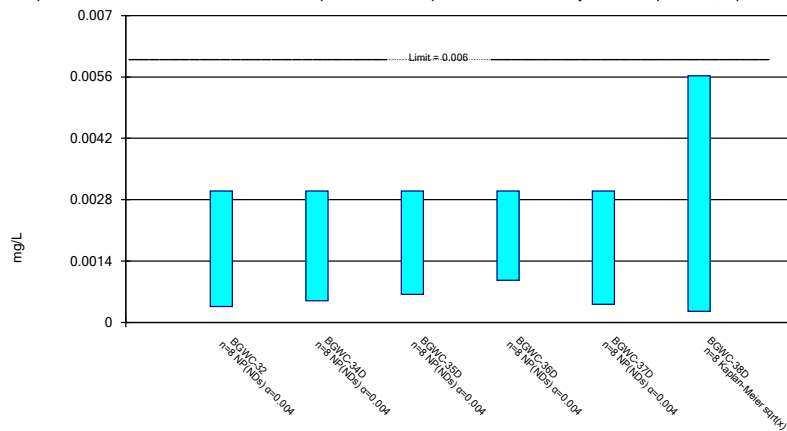
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Constituent: Antimony Analysis Run 4/18/2023 12:35 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

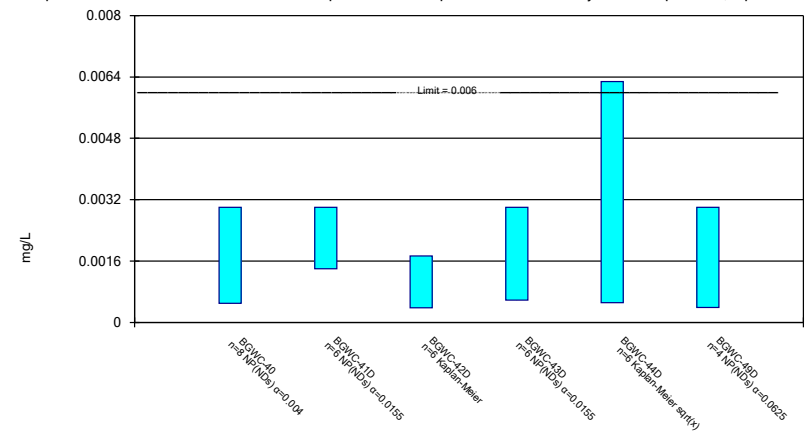
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Constituent: Antimony Analysis Run 4/18/2023 12:35 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

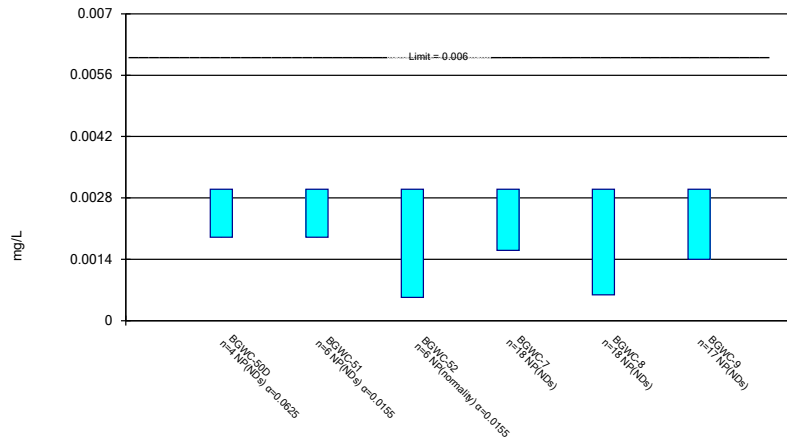
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Constituent: Antimony Analysis Run 4/18/2023 12:35 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

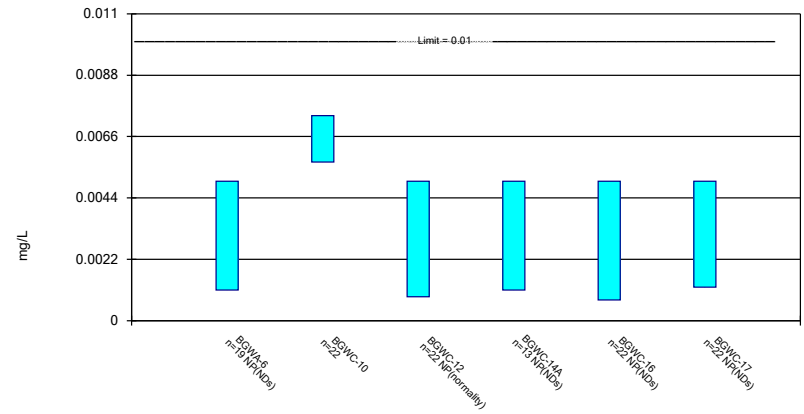
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

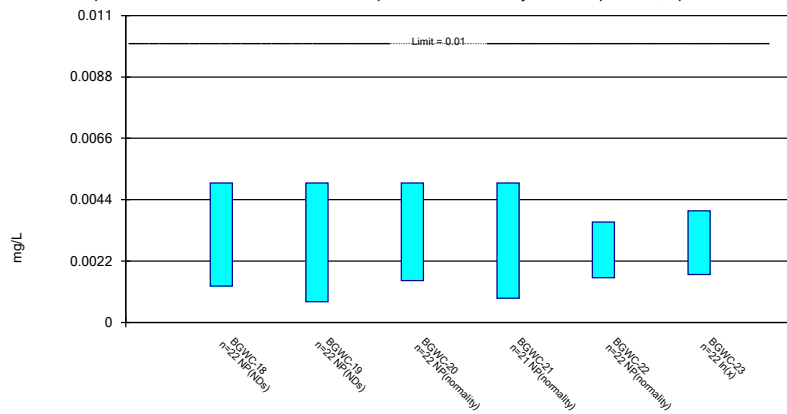
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Constituent: Arsenic Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

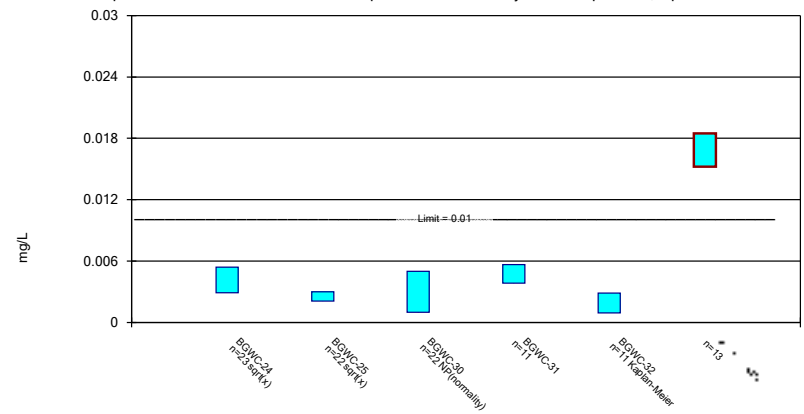
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

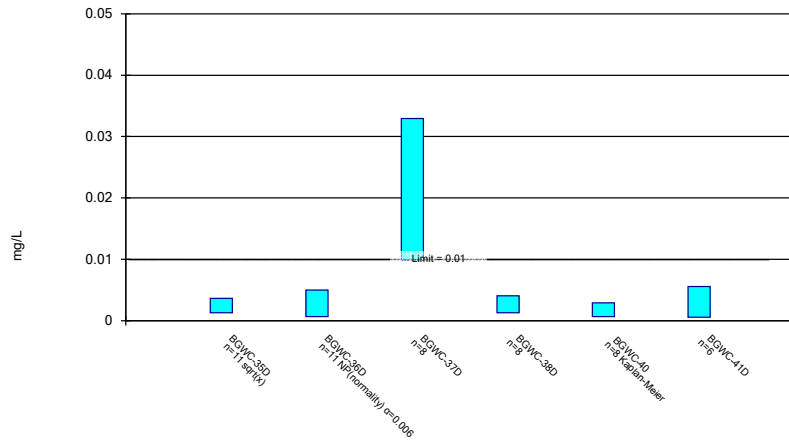
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

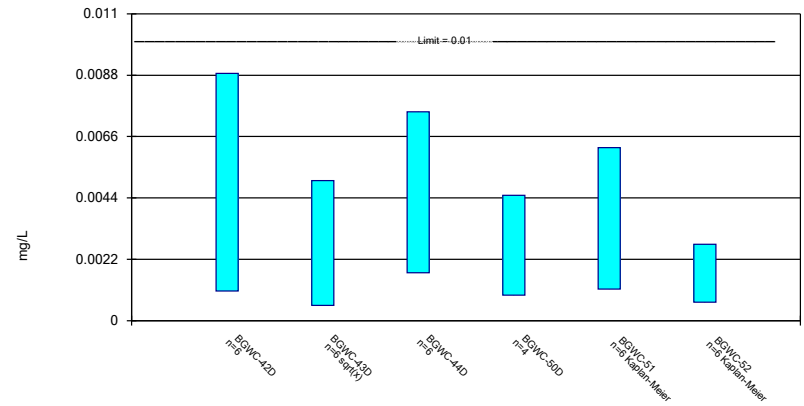
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Constituent: Arsenic Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

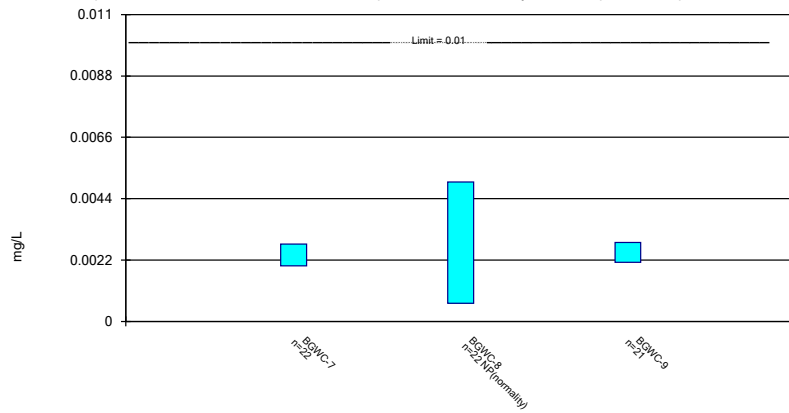
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Constituent: Arsenic Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

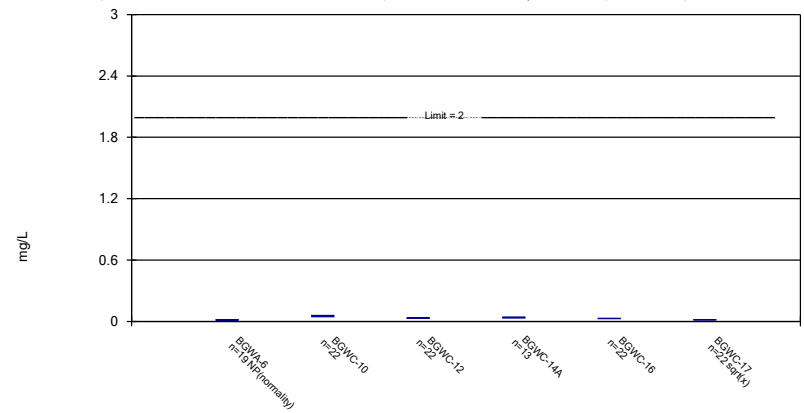
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Constituent: Arsenic Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

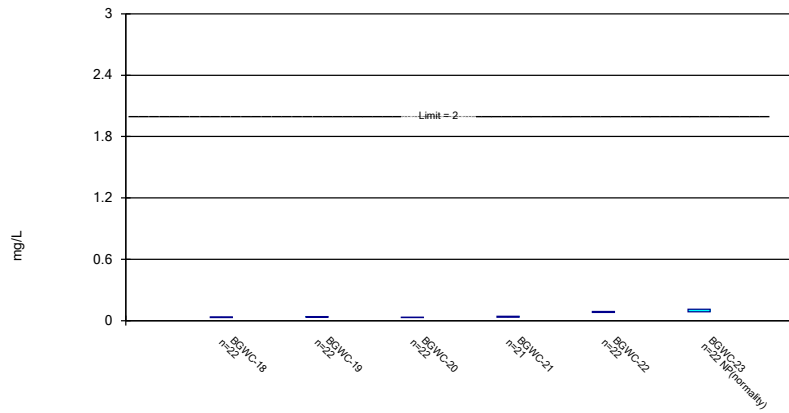
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

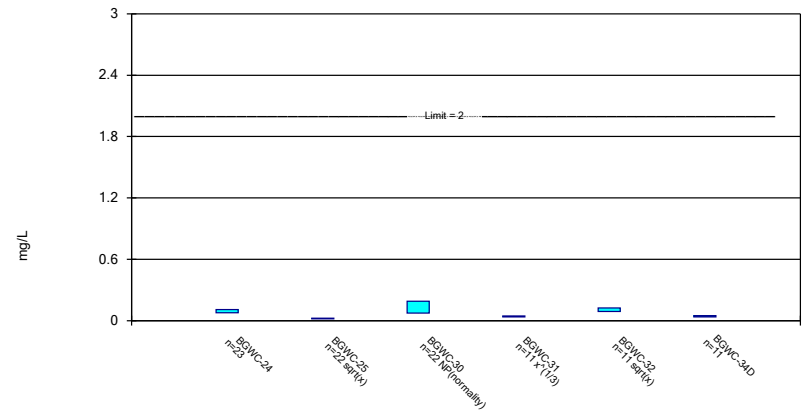
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

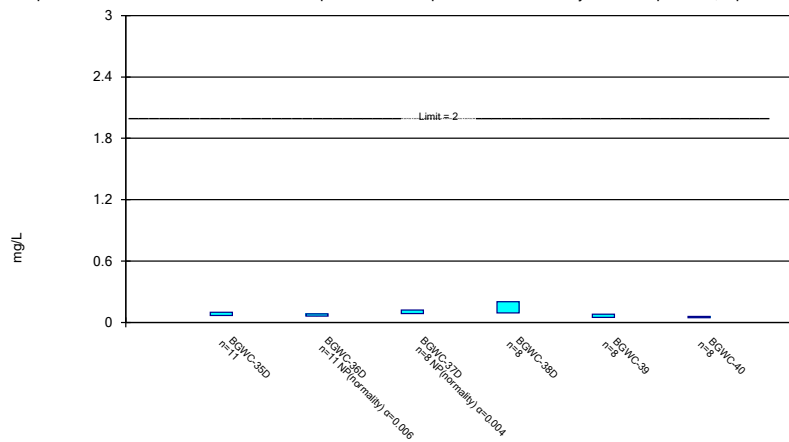
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

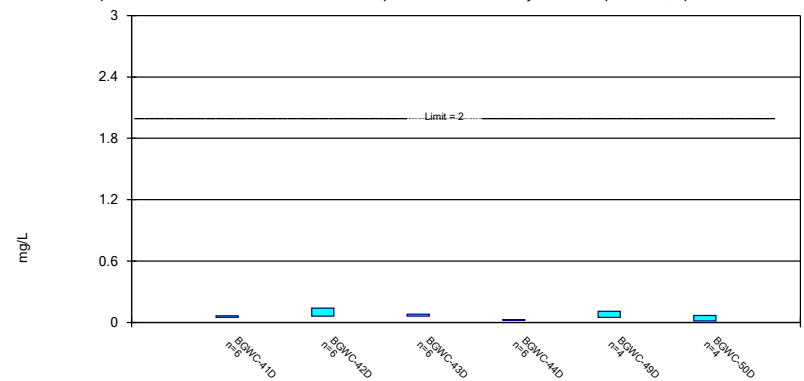
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

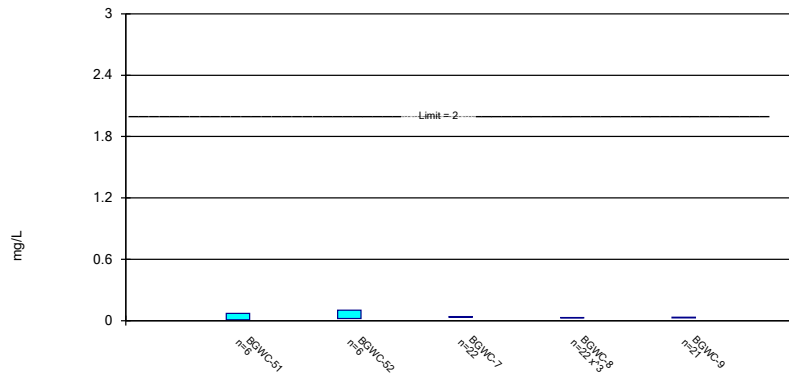
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

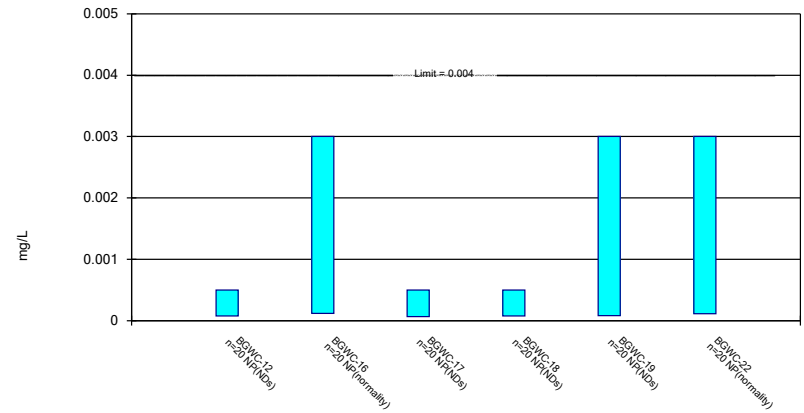
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

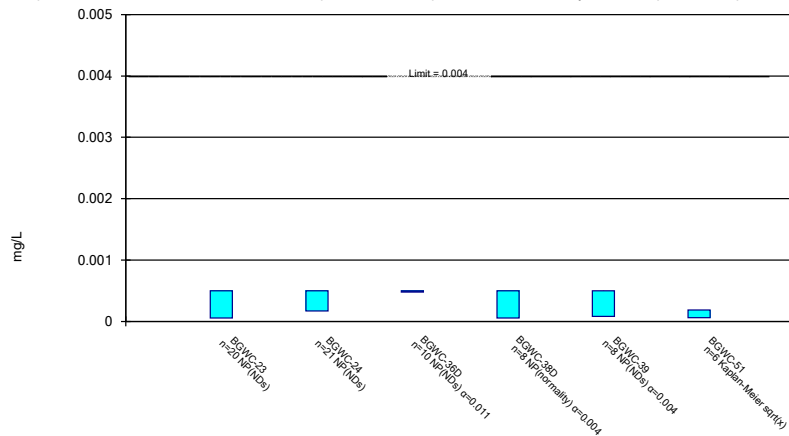
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Constituent: Beryllium Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

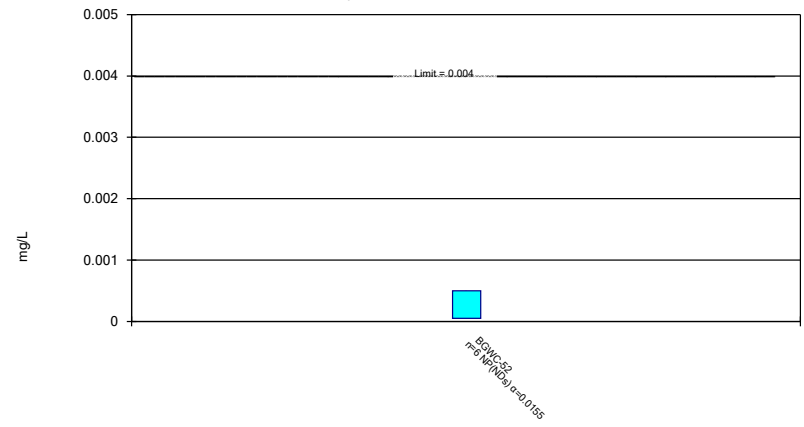
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Constituent: Beryllium Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

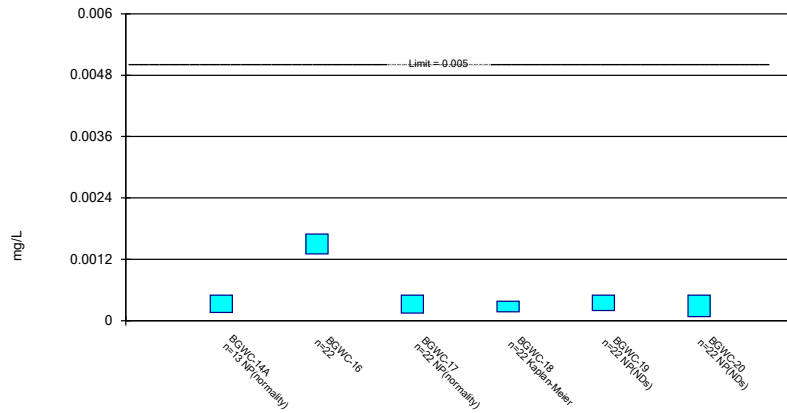
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Constituent: Beryllium Analysis Run 4/18/2023 12:35 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

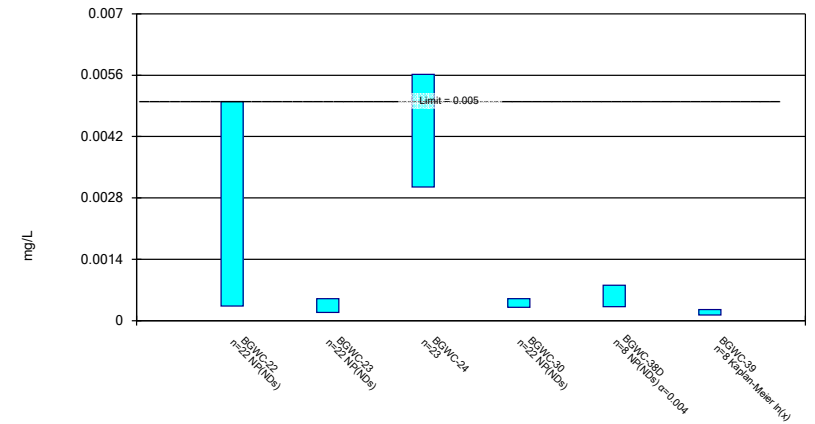
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Constituent: Cadmium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

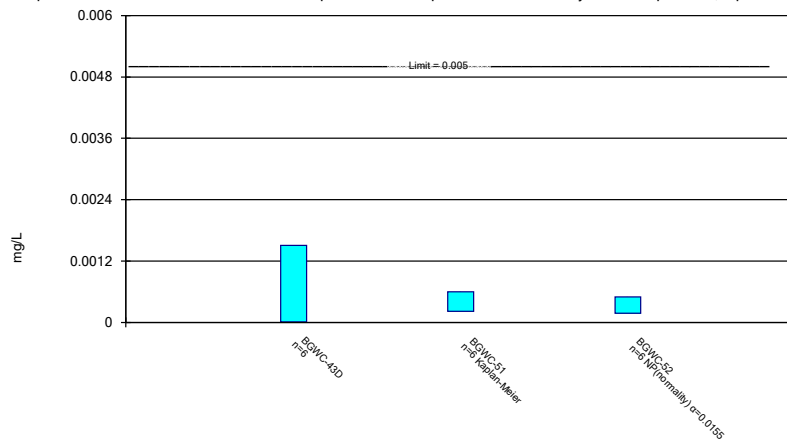
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Constituent: Cadmium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

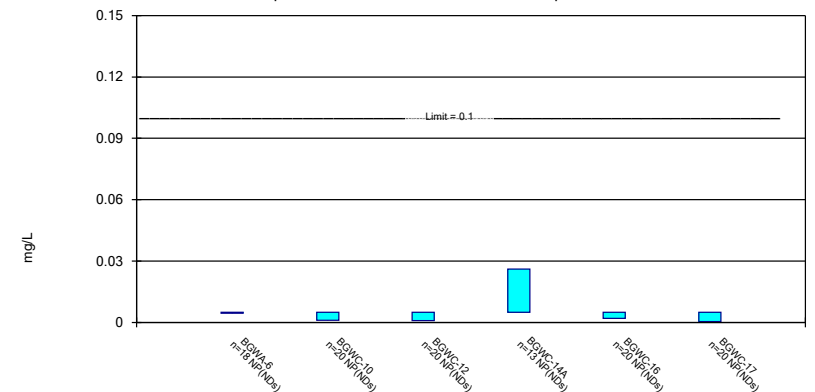
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Constituent: Cadmium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

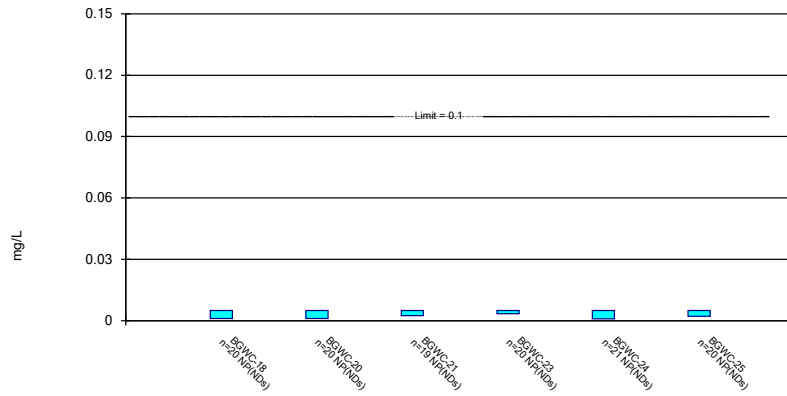
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Constituent: Chromium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

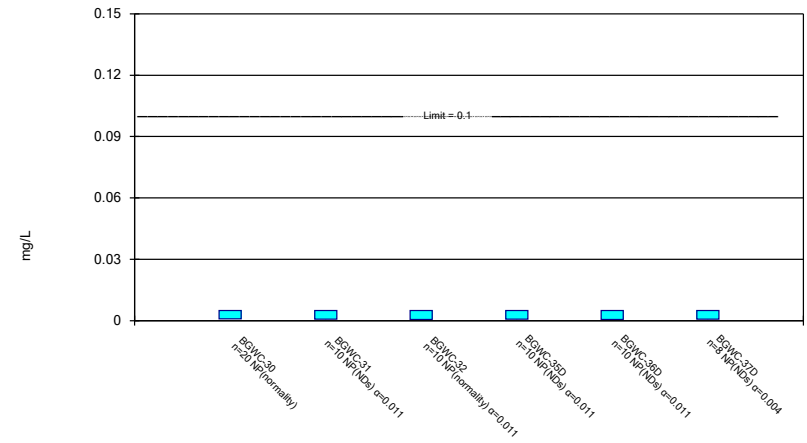
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Constituent: Chromium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

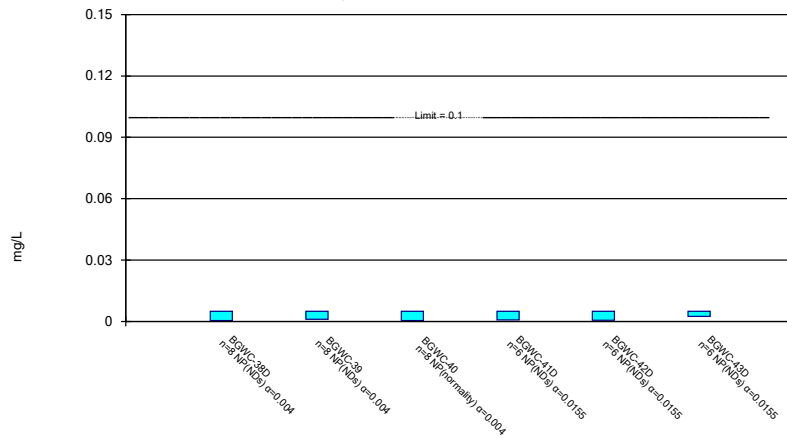
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Chromium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

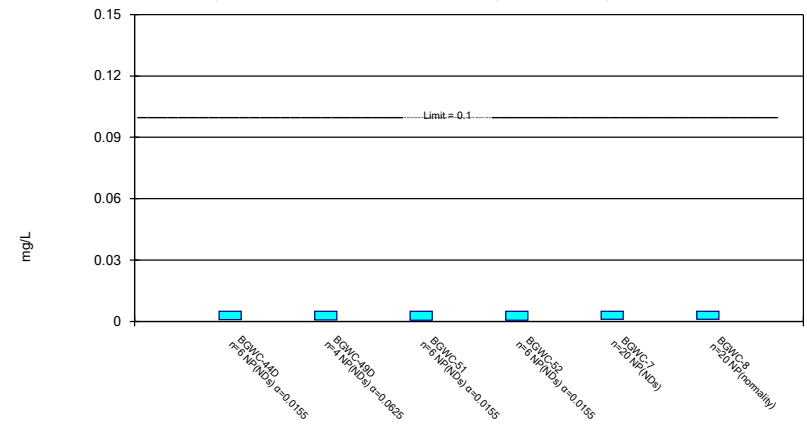
Compliance Limit is not exceeded.



Constituent: Chromium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Chromium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

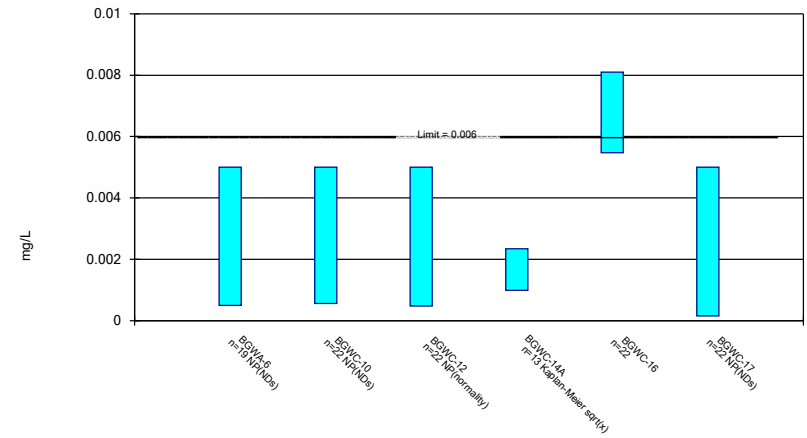
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

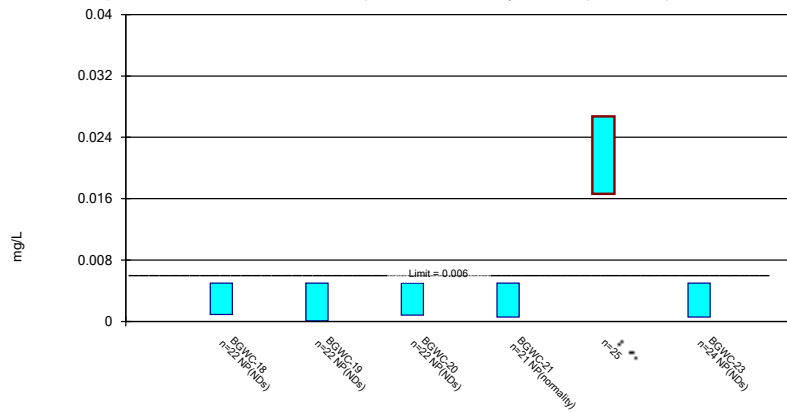
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

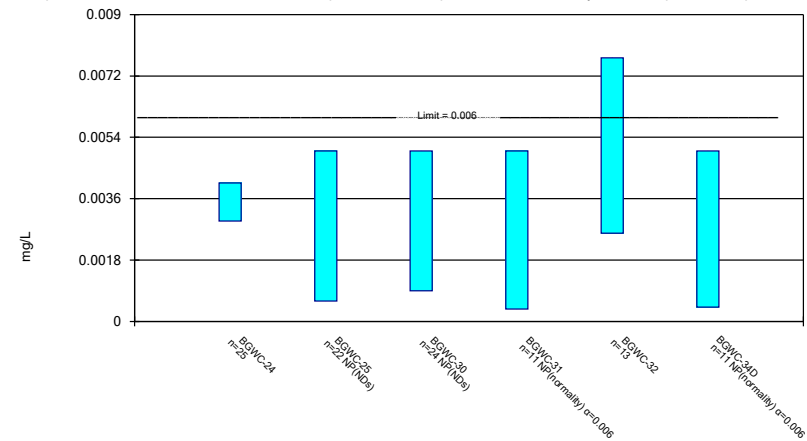
Compliance limit is exceeded.* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

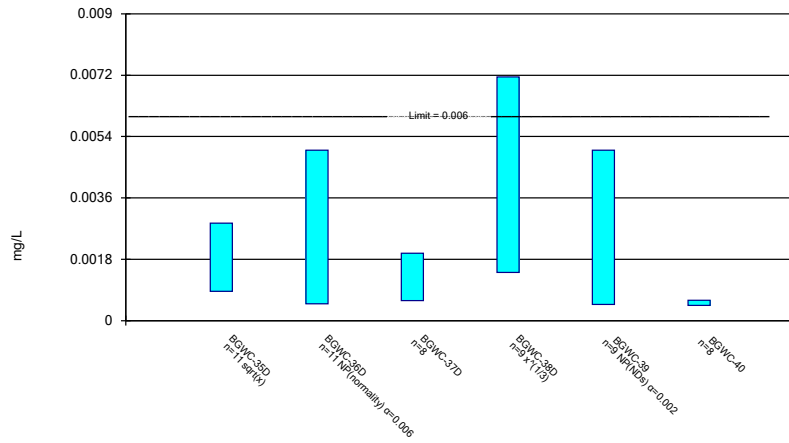
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

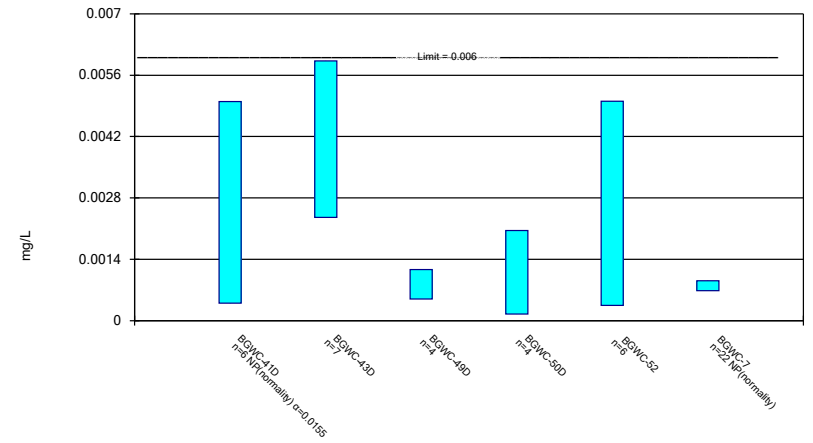
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

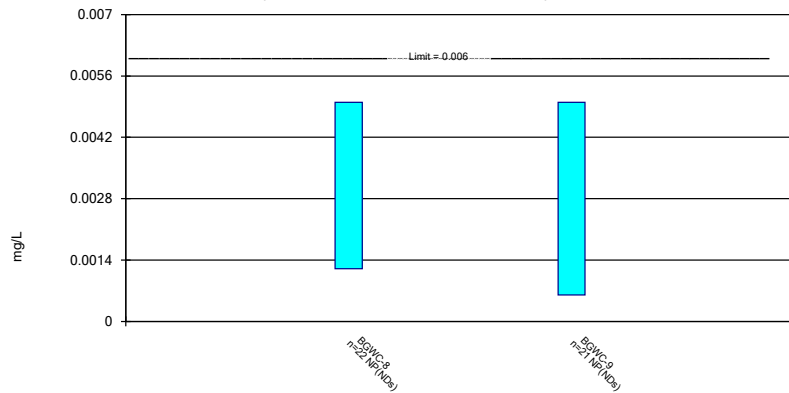
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cobalt Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

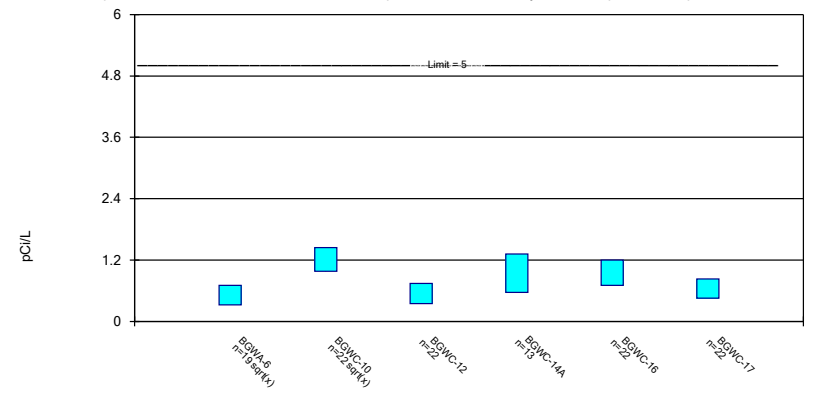
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Cobalt Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

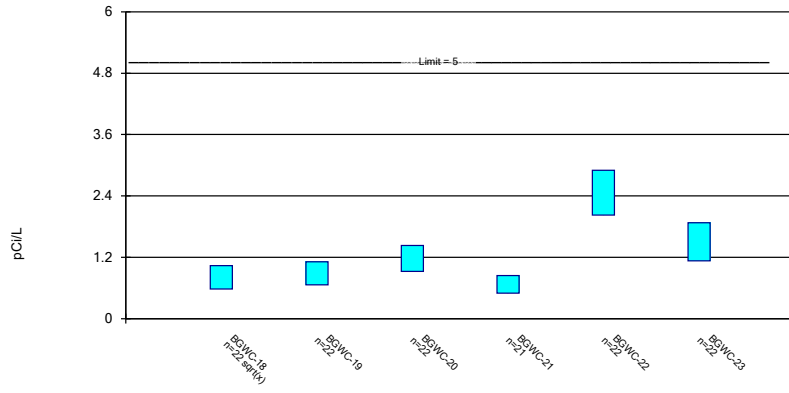
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

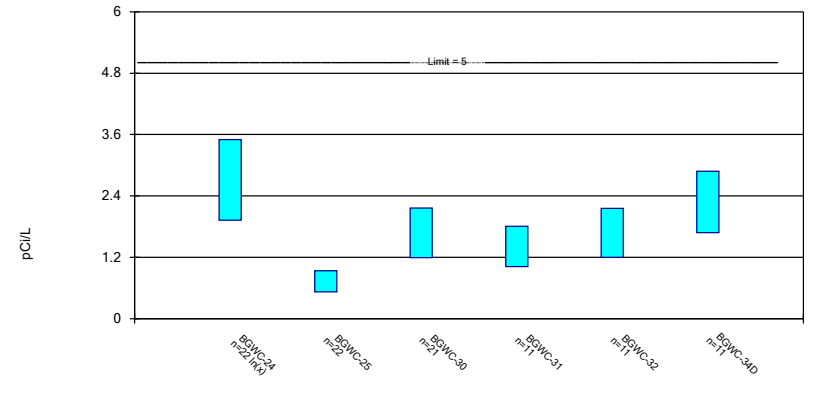
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

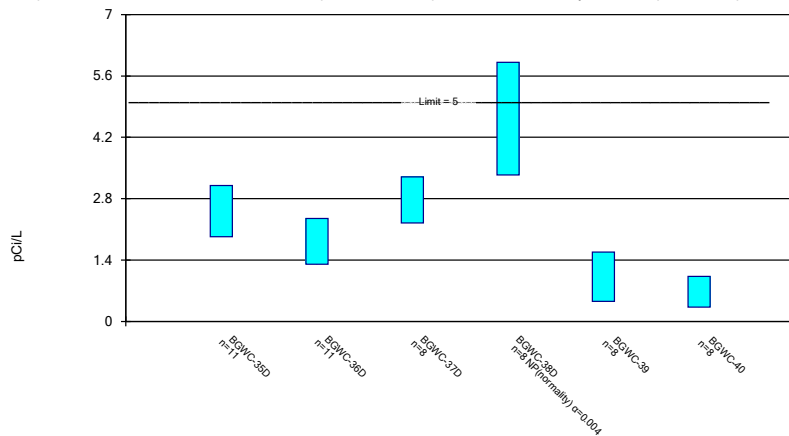
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

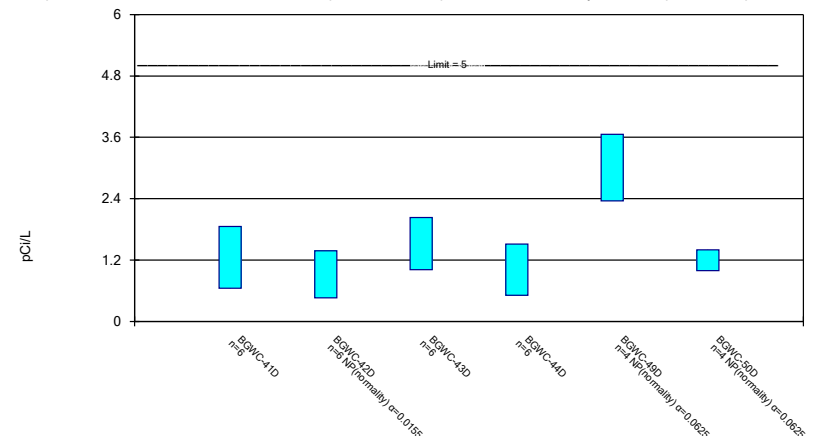
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

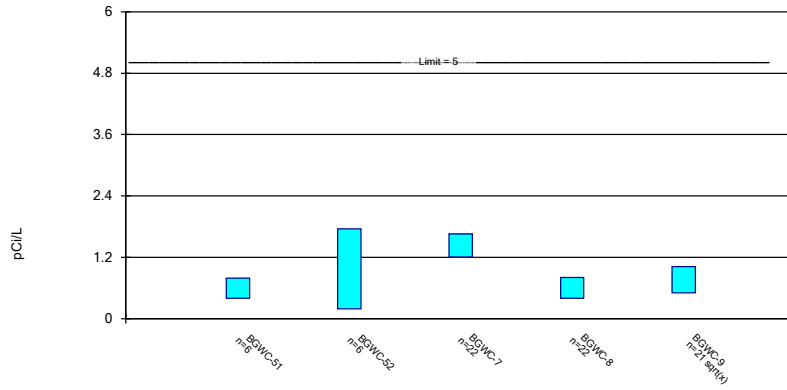
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Constituent: Combined Radium 226 + 228 Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

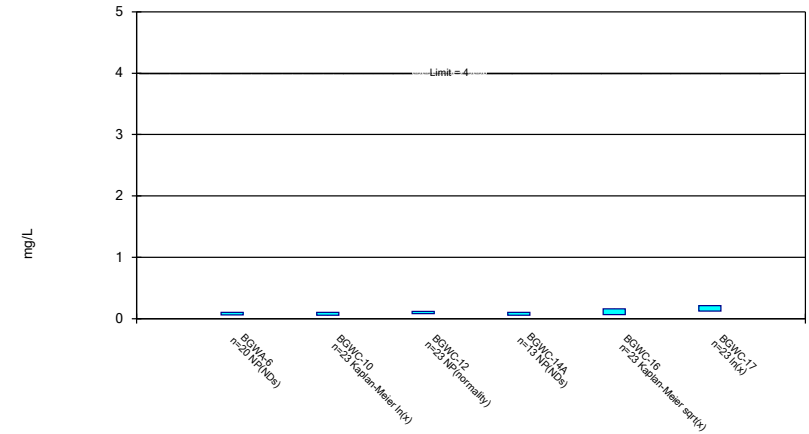
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Combined Radium 226 + 228 Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

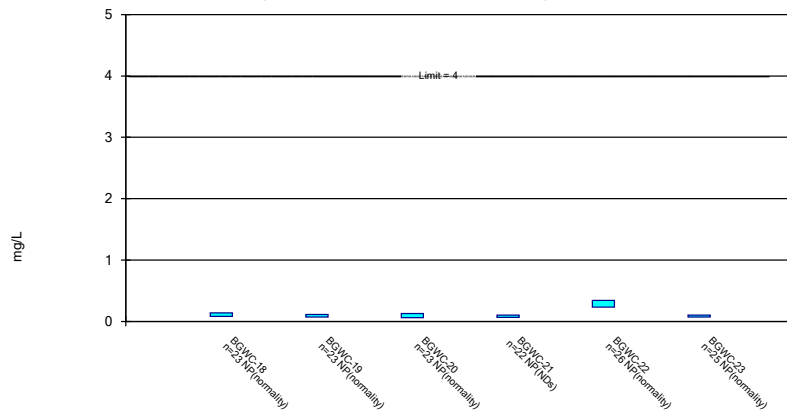
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

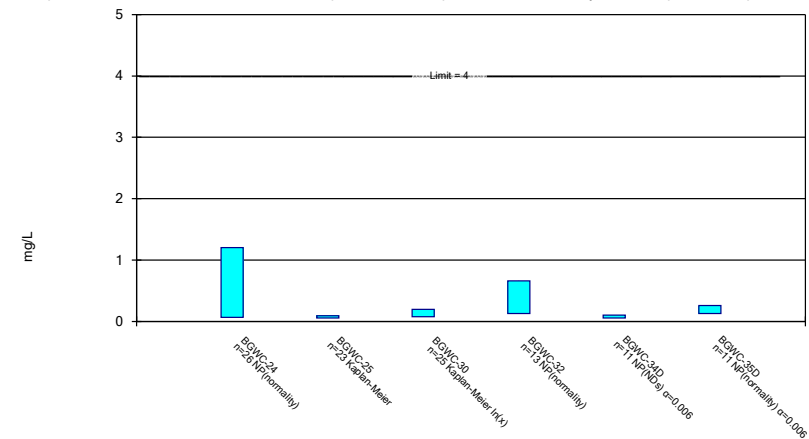
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Fluoride Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

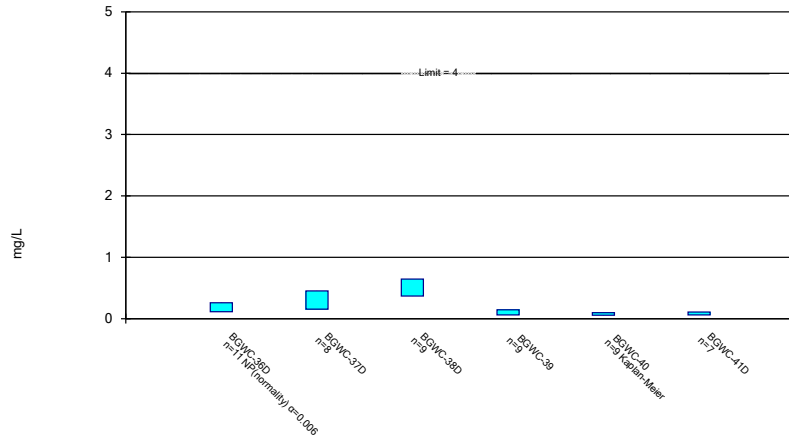
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

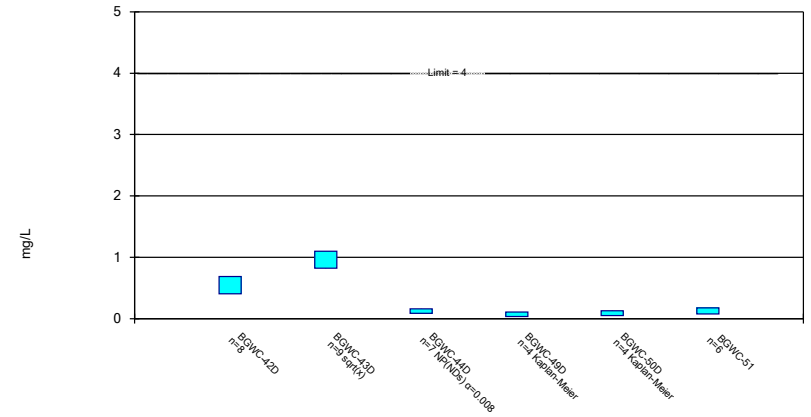
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

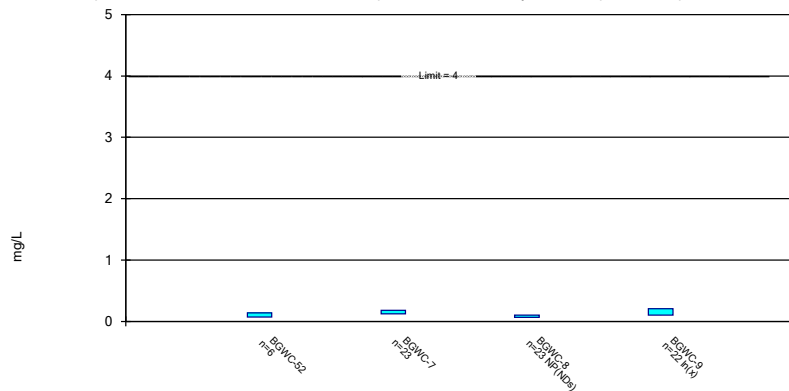
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Constituent: Fluoride Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

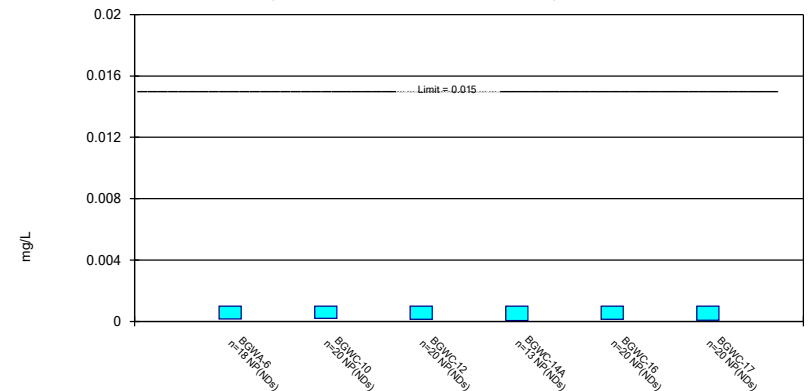
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Fluoride Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

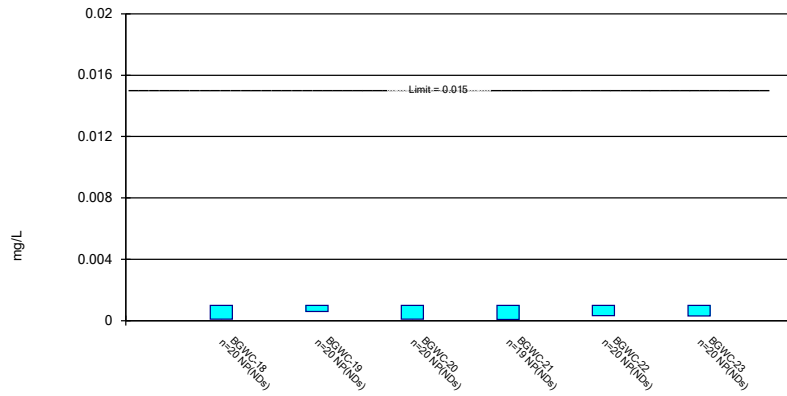
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

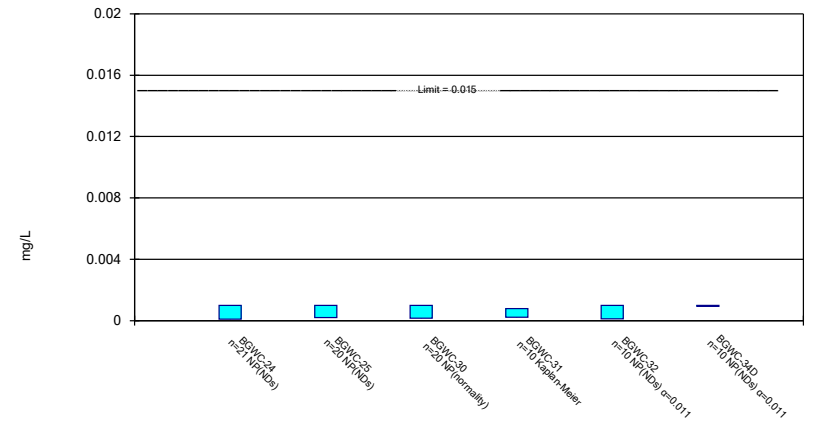
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lead Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

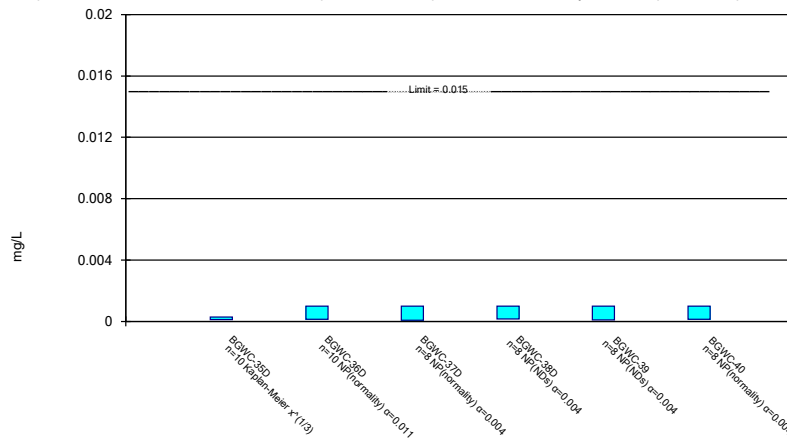
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

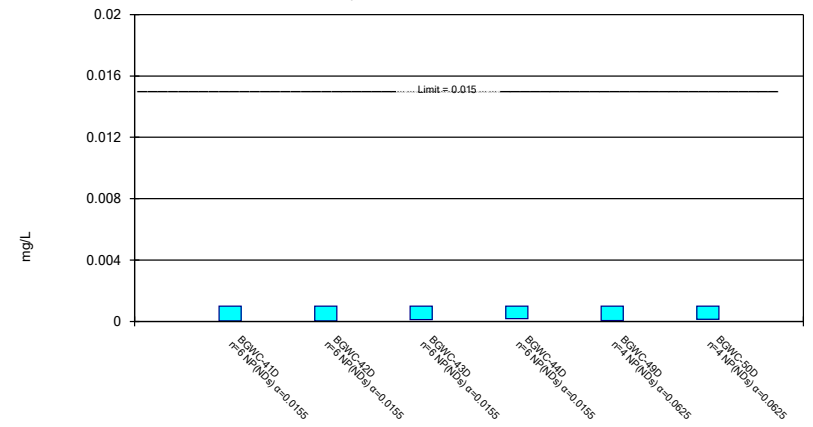
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lead Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

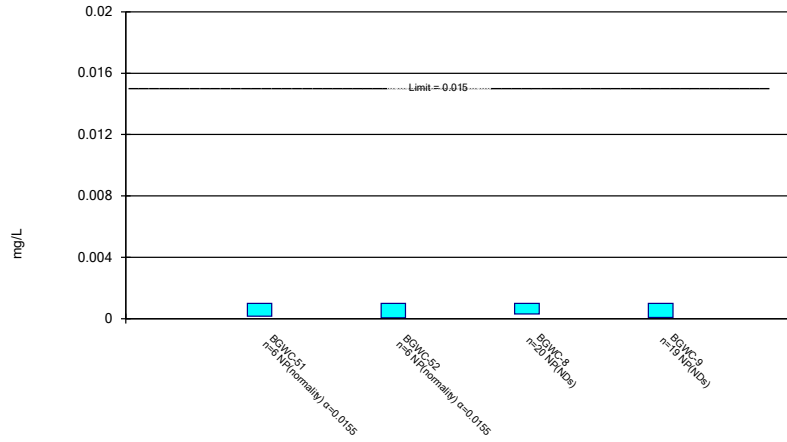
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Constituent: Lead Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

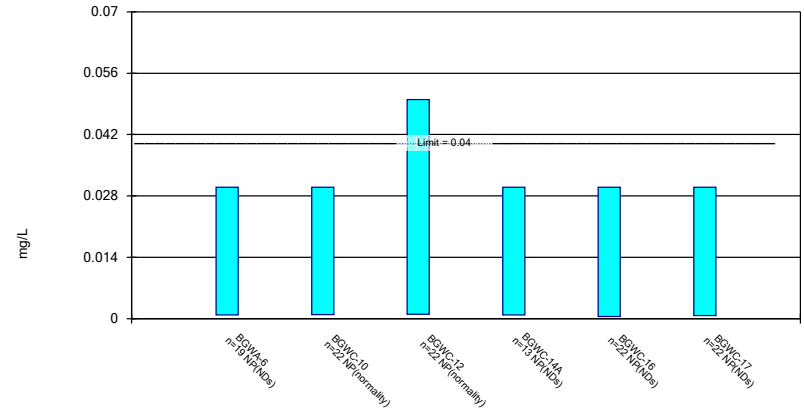
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Lead Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

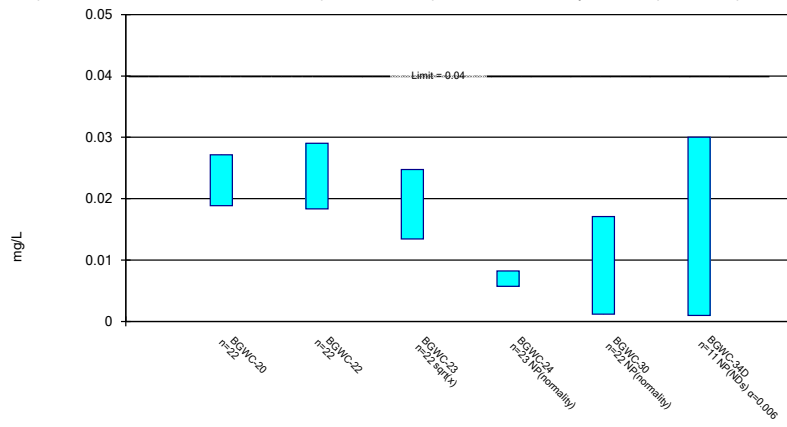
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Lithium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

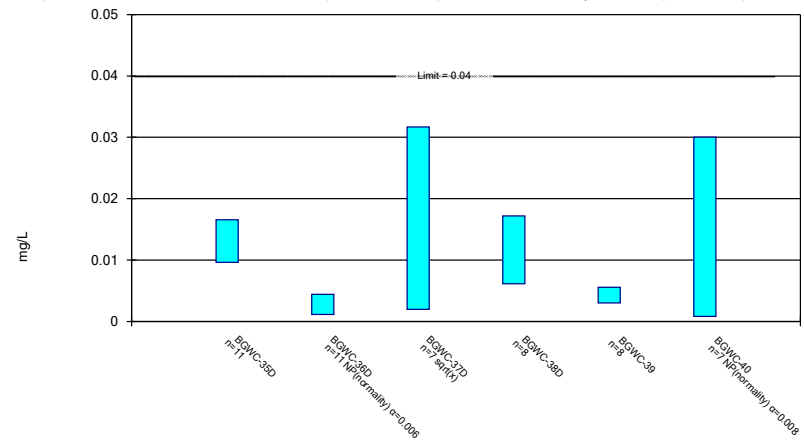
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

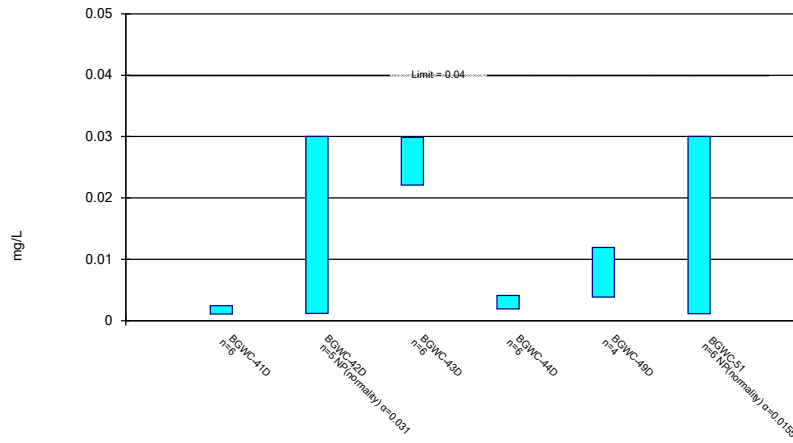
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

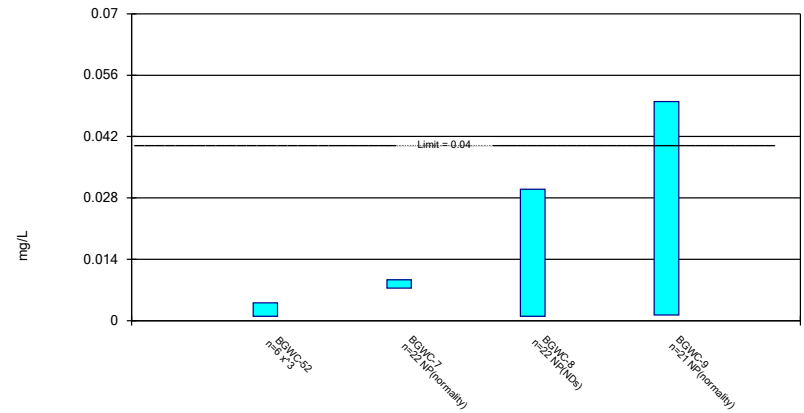
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

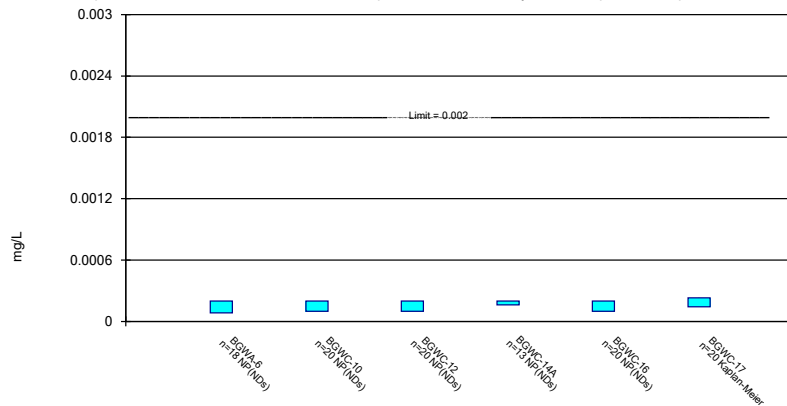
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Lithium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

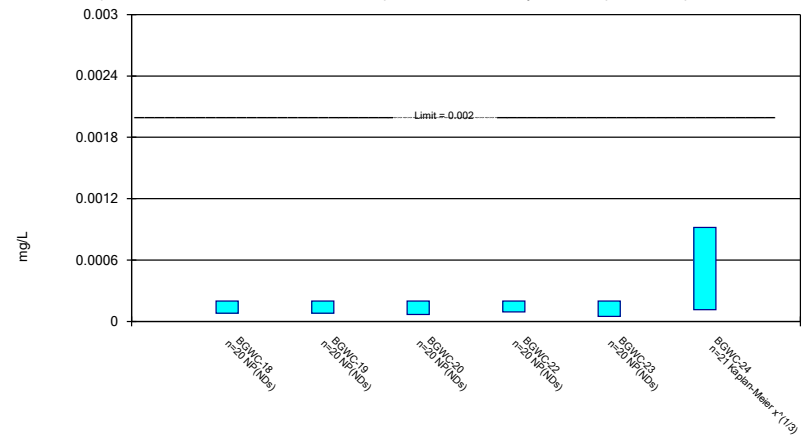
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

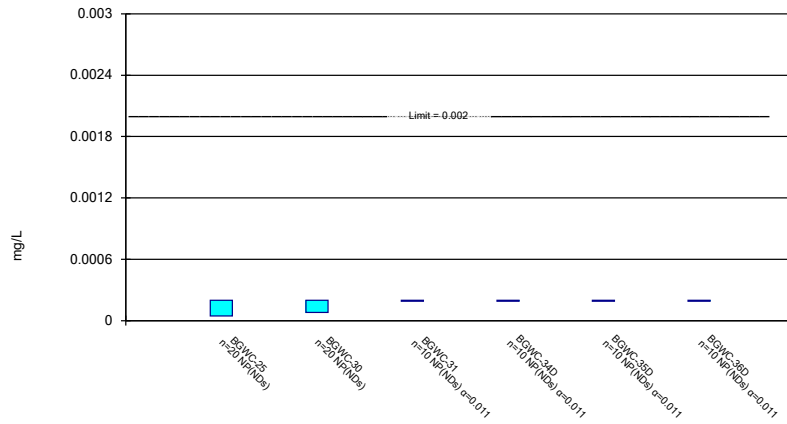
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

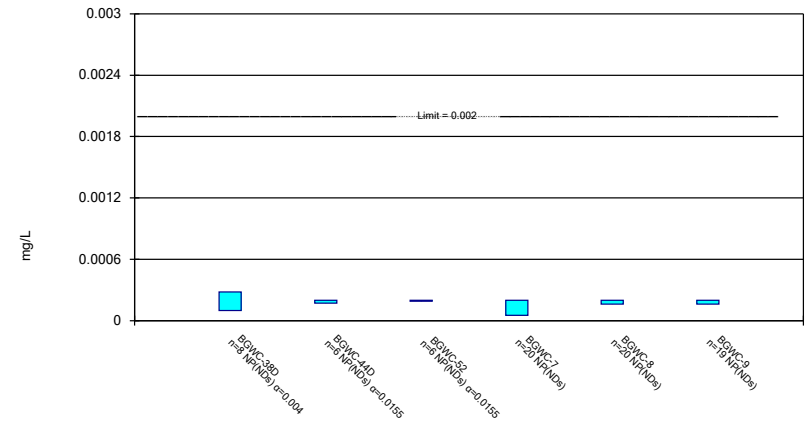
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

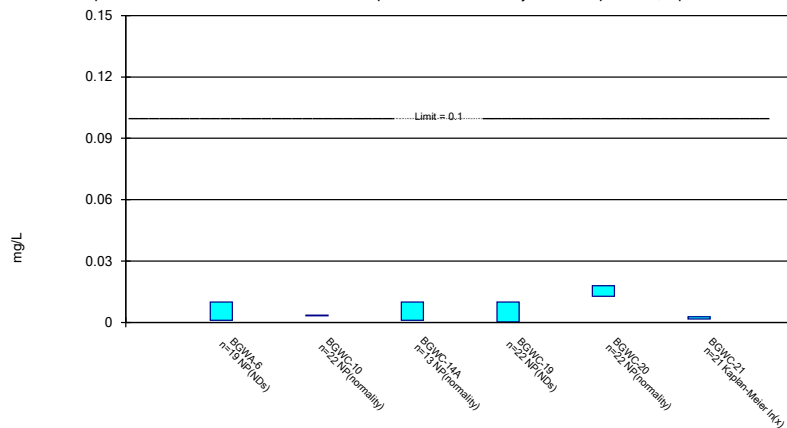
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

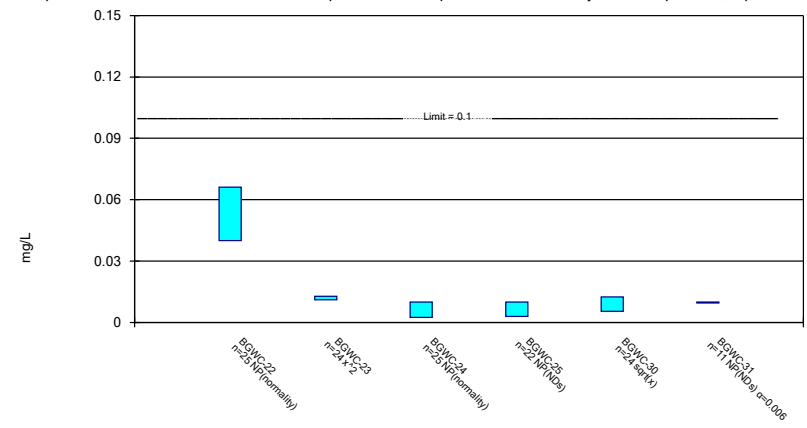
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

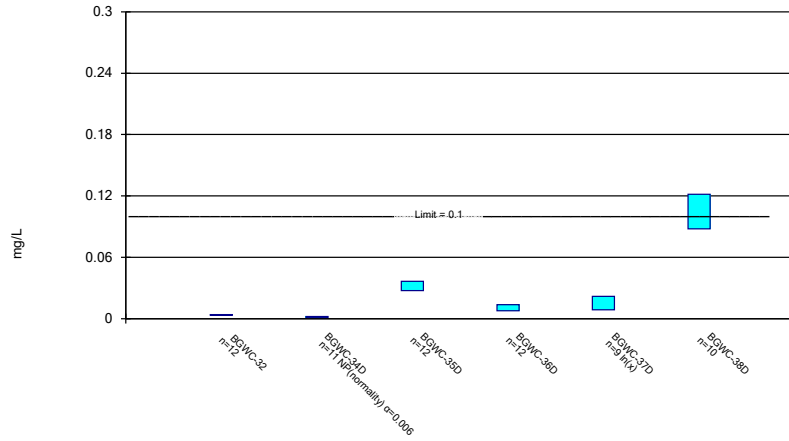
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

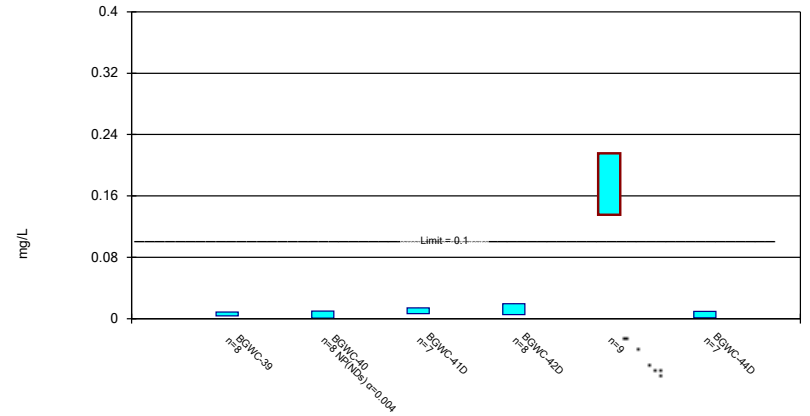
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

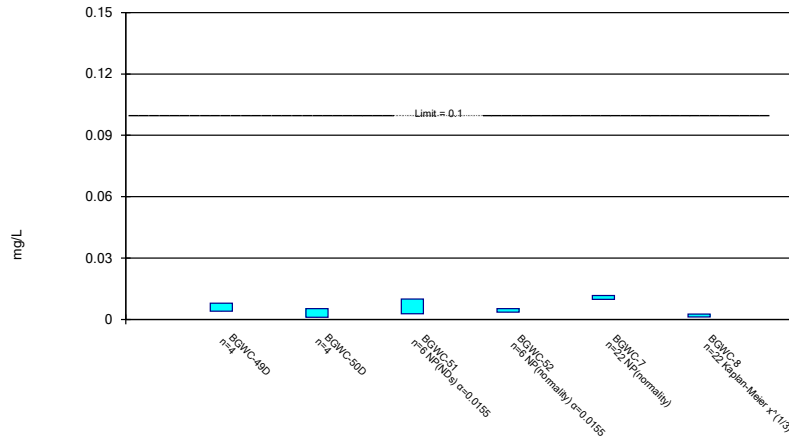
Compliance limit is exceeded.* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

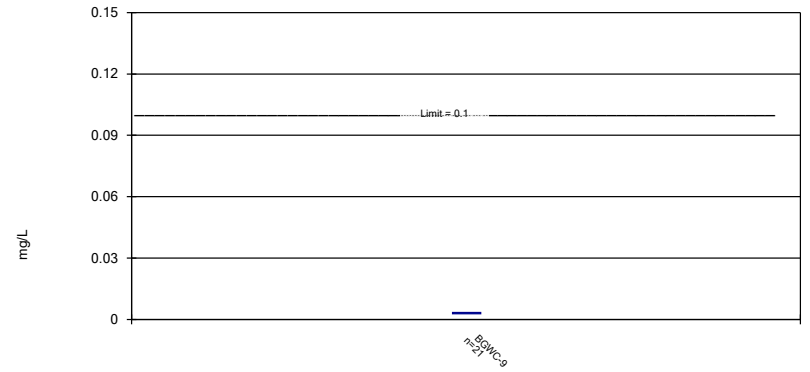
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

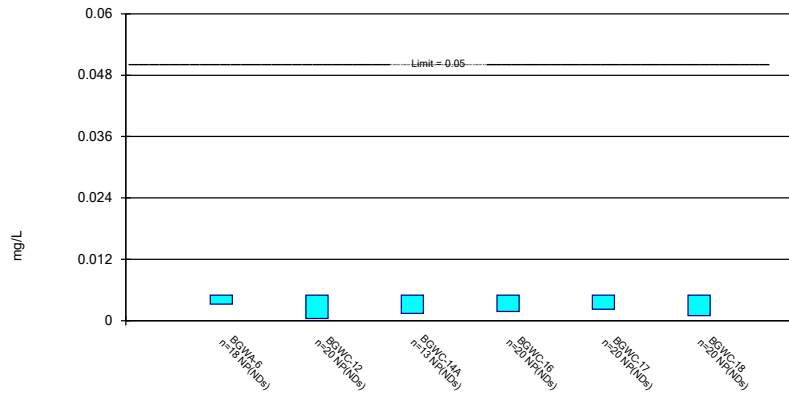
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Molybdenum Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

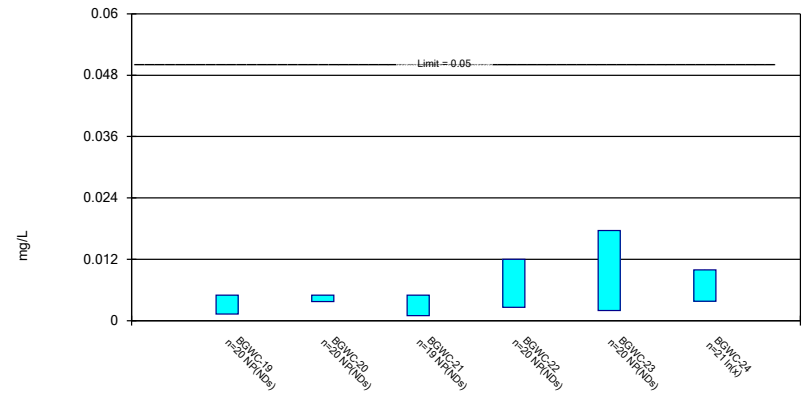
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Selenium Analysis Run 4/18/2023 12:36 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

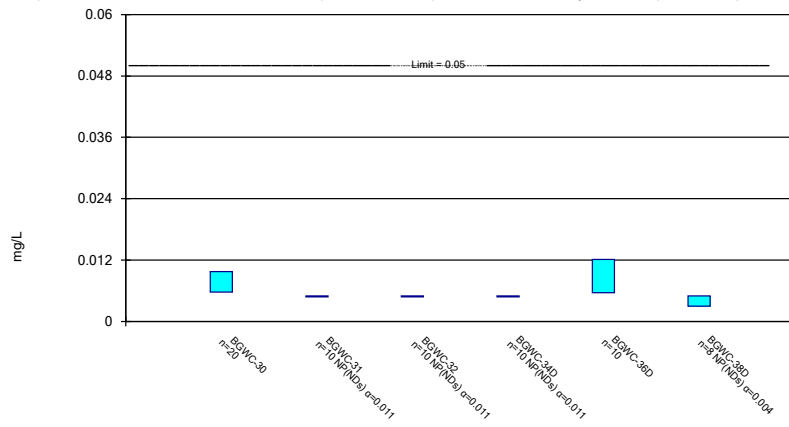
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 4/18/2023 12:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

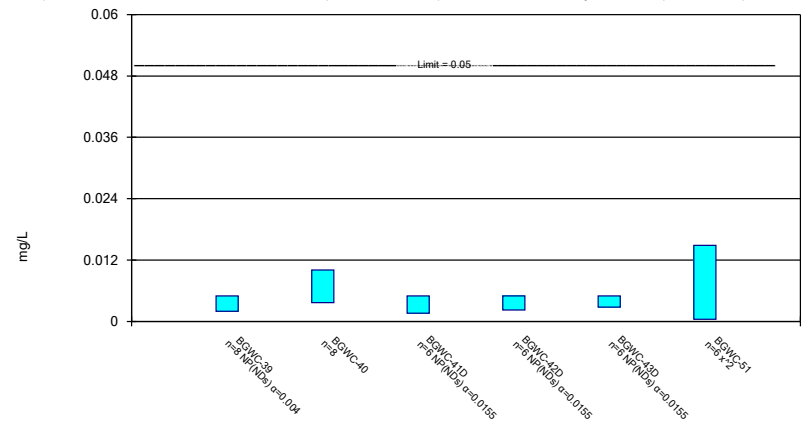
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Constituent: Selenium Analysis Run 4/18/2023 12:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

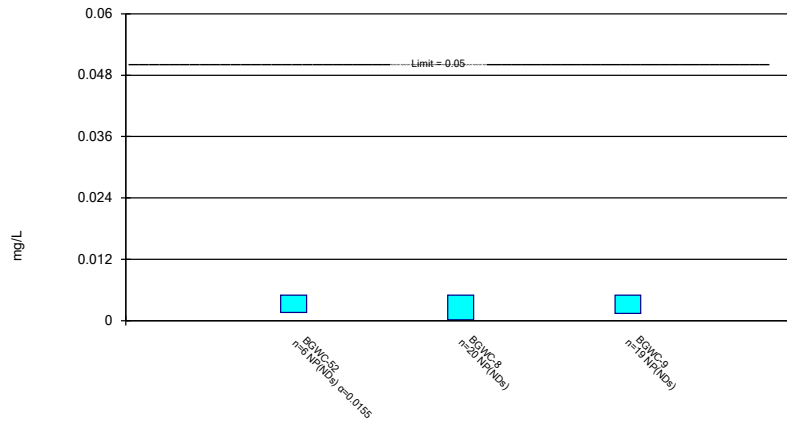
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 4/18/2023 12:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

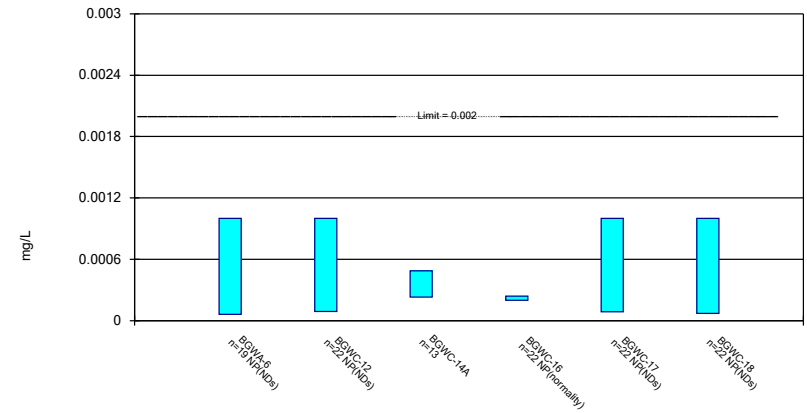
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Selenium Analysis Run 4/18/2023 12:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

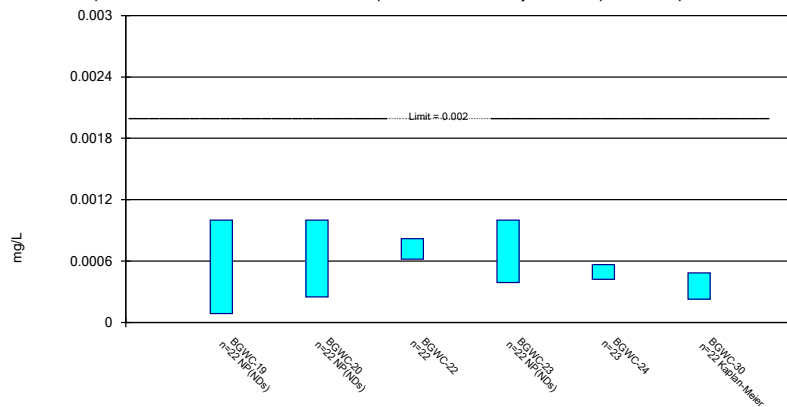
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 4/18/2023 12:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

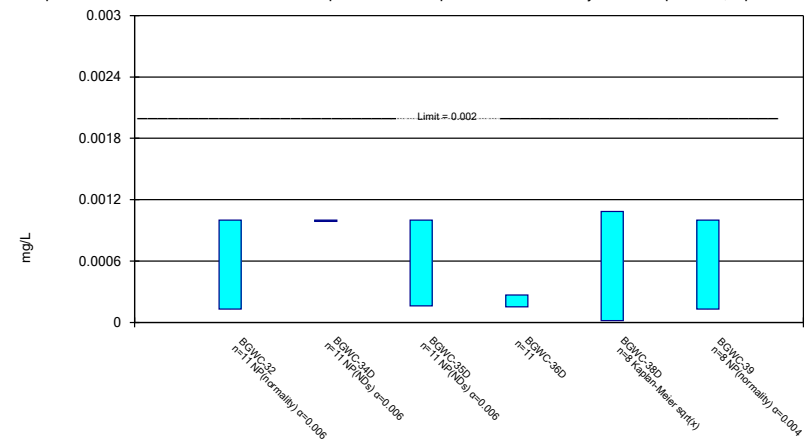
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 4/18/2023 12:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

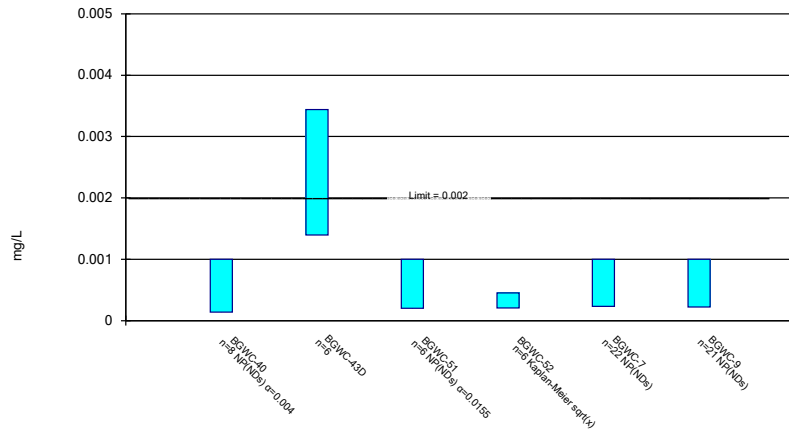
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 4/18/2023 12:37 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Thallium Analysis Run 4/18/2023 12:37 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-10	BGWC-14A	BGWC-16	BGWC-17	BGWC-19	BGWC-20
6/7/2016	0.0022 (J)		<0.003	<0.003		
6/8/2016					<0.003	<0.003
8/11/2016			0.0004 (J)	0.0002 (J)		
8/12/2016					<0.003	<0.003
8/16/2016	<0.003					
10/7/2016	<0.003		<0.003	<0.003	<0.003	
10/10/2016						<0.003
12/6/2016	<0.003		<0.003	<0.003		
12/7/2016					<0.003	<0.003
2/16/2017	<0.003		<0.003	<0.003	<0.003	
2/17/2017						<0.003
4/18/2017	<0.003		<0.003			
4/19/2017				<0.003	<0.003	<0.003
5/30/2017			<0.003	<0.003		
6/1/2017					<0.003	<0.003
6/2/2017	<0.003					
7/12/2017	<0.003					
7/14/2017			<0.003	<0.003	<0.003	
7/18/2017						<0.003
3/27/2018	<0.003		<0.003	<0.003	<0.003	
3/28/2018						<0.003
2/25/2019			<0.003			
2/27/2019				<0.003		<0.003
2/28/2019	<0.003					
3/1/2019					<0.003	
2/20/2020	<0.003		<0.003			
2/24/2020				<0.003	<0.003	<0.003
3/19/2020			<0.003	<0.003		
3/20/2020					<0.003	
3/23/2020	<0.003					0.0014 (J)
5/22/2020		<0.003				
6/23/2020		<0.003				
7/28/2020		<0.003				
9/2/2020		<0.003				
9/24/2020	<0.003		<0.003	<0.003		
9/28/2020					0.0005 (J)	0.0005 (J)
10/1/2020		0.0003 (J)				
11/10/2020		0.00061 (J)				
12/15/2020		<0.003				
1/20/2021		<0.003				
2/18/2021	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/24/2021		<0.003	<0.003	<0.003		
3/26/2021					<0.003	
3/29/2021						<0.003
3/30/2021	<0.003					
8/18/2021	<0.003	<0.003	<0.003			
8/19/2021				<0.003		
8/20/2021					<0.003	<0.003
2/9/2022		<0.003				
2/11/2022	0.0021 (J)		<0.003	<0.003		
2/16/2022					<0.003	<0.003
7/26/2022		<0.003				

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-10	BGWC-14A	BGWC-16	BGWC-17	BGWC-19	BGWC-20
7/27/2022			<0.003	<0.003	<0.003	<0.003
7/28/2022	0.0015 (J)					
Mean	0.002822	0.002608	0.002856	0.002844	0.002861	0.002772
Std. Dev.	0.0004292	0.0009578	0.0006128	0.00066	0.0005893	0.0006807
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0022	0.00061	0.0004	0.0002	0.0005	0.0014

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-21	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-31
6/8/2016	<0.003	<0.003			<0.003	
6/9/2016			<0.03	<0.03		
8/15/2016					0.0013 (J)	
8/18/2016	<0.003	0.0023 (J)	0.0009 (J)	<0.03		
10/10/2016	<0.003	0.0021 (J)	<0.03	<0.03	<0.003	
12/7/2016			<0.03	<0.03		
12/8/2016	<0.003	<0.003			<0.003	
2/17/2017	<0.003	<0.003				
2/20/2017			<0.03	<0.03	<0.003	
4/19/2017	<0.003		<0.03	<0.03		
4/20/2017		<0.003			<0.003	
6/1/2017	<0.003				<0.003	
6/5/2017		<0.003	<0.03	<0.03		
7/17/2017			<0.03	<0.03	<0.003	
7/18/2017	<0.003					
7/19/2017		<0.003				
3/28/2018	<0.003				<0.003	
3/29/2018		<0.003	<0.03	<0.03		
3/1/2019		<0.003	<0.03	<0.03	<0.003	
2/25/2020		<0.003	<0.03			
2/26/2020	<0.003			<0.03	<0.003	<0.003
3/20/2020	<0.003	<0.003				
3/23/2020			0.00053 (J)			<0.003
3/24/2020					<0.003	
3/25/2020				<0.03		
9/24/2020	<0.003	<0.003	<0.03			
9/25/2020				0.00048 (J)		
9/28/2020					<0.003	0.00038 (J)
2/19/2021	<0.003	0.00028 (J)	0.00031 (J)	0.00036 (J)		
2/22/2021						<0.003
2/23/2021					<0.003	
3/26/2021			<0.03	<0.03	<0.003	
3/29/2021	<0.003	<0.003				<0.003
8/19/2021					<0.003	
8/20/2021	0.0014 (J)					<0.003
8/23/2021		<0.003	0.0029 (J)	0.0028 (J)		
2/14/2022			0.0014 (J)			
2/15/2022		<0.003		0.0048		
2/16/2022	0.0017 (J)				<0.003	<0.003
7/27/2022					<0.003	
7/28/2022	<0.003					<0.003
8/1/2022			0.0022 (J)			
8/2/2022		<0.003		0.015 (o)		
10/21/2022				0.0032 (R)		
Mean	0.002829	0.00276	0.02046	0.02231	0.002906	0.002673
Std. Dev.	0.0004845	0.0006713	0.0139	0.01279	0.0004007	0.0009263
Upper Lim.	0.003	0.003	0.03	0.03	0.003	0.003
Lower Lim.	0.0017	0.0023	0.0014	0.0032	0.0013	0.00038

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D
2/25/2020			<0.003		<0.003	
2/26/2020				<0.003		
2/27/2020	<0.003	<0.003				0.0003 (J)
3/23/2020				<0.003		
3/24/2020	<0.003	<0.003			<0.003	<0.003
3/25/2020			<0.003			
9/2/2020						0.0016 (J)
9/25/2020	0.00039 (J)		0.00064 (J)		0.0022 (J)	
9/28/2020		0.00049 (J)		<0.003		
2/19/2021		<0.003				
2/22/2021			0.00066 (J)		0.00041 (J)	
2/23/2021	0.00036 (J)					
3/8/2021				0.00096 (J)		
3/9/2021						0.00062 (J)
3/25/2021				<0.003		
3/26/2021			<0.003		<0.003	
3/29/2021						<0.003
3/30/2021	<0.003	0.00079 (J)				
8/19/2021						0.01
8/20/2021			<0.003		<0.003	
8/23/2021				<0.003		
8/24/2021		<0.003				
8/25/2021	<0.003					
2/14/2022				<0.003		0.0067
2/16/2022	<0.003	<0.003				
2/17/2022			<0.003		<0.003	
7/28/2022		<0.003	<0.003		<0.003	
7/29/2022	<0.003			<0.003		
8/2/2022						0.0015 (J)
Mean	0.002344	0.00241	0.002413	0.002745	0.002576	0.00334
Std. Dev.	0.001215	0.001095	0.001088	0.0007212	0.000919	0.003358
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.005625
Lower Lim.	0.00036	0.00049	0.00064	0.00096	0.00041	0.0002504

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D
2/28/2020	<0.003					
3/25/2020	<0.003					
9/2/2020		0.0014 (J)				
9/3/2020			0.00072 (J)	0.00091 (J)	0.0021 (J)	
9/29/2020	<0.003					
2/18/2021					0.009	
2/22/2021	<0.003	<0.003	0.0019 (J)			
3/8/2021				0.00058 (J)		
3/29/2021				<0.003		
3/30/2021	0.0005 (J)					
3/31/2021		<0.003			0.0026 (J)	
4/1/2021			0.0019 (J)			
4/19/2021						0.00039 (J)
8/18/2021					0.0015 (J)	
8/20/2021			0.00083 (J)			
8/23/2021				<0.003		
8/24/2021	<0.003	0.0014 (J)				<0.003
2/9/2022					<0.003	
2/15/2022		<0.003		<0.003		
2/16/2022	<0.003					
2/17/2022			<0.003			<0.003
7/26/2022					0.0011 (J)	
7/28/2022	<0.003		<0.003			
7/29/2022		<0.003				
8/1/2022				<0.003		<0.003
Mean	0.002688	0.002467	0.001892	0.002248	0.003217	0.002348
Std. Dev.	0.0008839	0.0008262	0.0009957	0.001169	0.002917	0.001305
Upper Lim.	0.003	0.003	0.001729	0.003	0.00628	0.003
Lower Lim.	0.0005	0.0014	0.0003839	0.00058	0.0005142	0.00039

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016						<0.003
6/7/2016					<0.003	
6/8/2016				<0.003		
8/10/2016					0.0004 (J)	
8/11/2016				0.0005 (J)		0.0003 (J)
10/4/2016					<0.003	
10/5/2016						<0.003
10/6/2016				0.0015 (J)		
12/2/2016					<0.003	
12/5/2016						<0.003
12/6/2016				<0.003		
2/14/2017					<0.003	
2/15/2017				<0.003		<0.003
4/14/2017					<0.003	
4/17/2017						<0.003
4/18/2017				0.0003 (J)		
5/26/2017					<0.003	<0.003
6/2/2017				<0.003		
7/10/2017					<0.003	
7/11/2017						<0.003
7/14/2017				<0.003		
3/26/2018					<0.003	
3/27/2018				<0.003		<0.003
2/25/2019					<0.003	
2/28/2019				<0.003		
2/19/2020					<0.003	
2/20/2020						<0.003
2/21/2020				0.0016 (J)		
3/18/2020					<0.003	
3/19/2020				<0.003		<0.003
9/23/2020					<0.003	
9/24/2020						<0.003
9/25/2020				<0.003		
1/28/2021		<0.003	0.0019 (J)			
2/16/2021					0.00046 (J)	
2/17/2021						0.00075 (J)
2/18/2021				<0.003		
2/23/2021		<0.003	0.00053 (J)			
3/24/2021					0.00059 (J)	0.00038 (J)
3/30/2021		0.0019 (J)	0.00085 (J)	<0.003		
4/19/2021	0.0019 (J)					
8/18/2021	<0.003				<0.003	0.0014 (J)
8/19/2021				<0.003		
8/23/2021		<0.003	<0.003			
2/9/2022	<0.003					
2/10/2022					<0.003	<0.003
2/11/2022				<0.003		
2/14/2022		<0.003	<0.003			
7/26/2022	<0.003				<0.003	<0.003
7/28/2022			<0.003	<0.003		
8/1/2022		<0.003				
Mean	0.002725	0.002817	0.002047	0.00255	0.002581	0.002461

Confidence Interval

Constituent: Antimony (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
Std. Dev.	0.00055	0.0004491	0.001138	0.0009109	0.0009657	0.001026
Upper Lim.	0.003	0.003	0.003	0.003	0.003	0.003
Lower Lim.	0.0019	0.0019	0.00053	0.0016	0.00059	0.0014

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.005					
6/7/2016		0.0039	<0.005		<0.005	<0.005
8/10/2016	<0.005					
8/11/2016					<0.005	<0.005
8/12/2016			0.0009 (J)			
8/16/2016		0.0091				
10/4/2016	<0.005					
10/6/2016			<0.005			
10/7/2016		0.0074			<0.005	<0.005
12/1/2016	<0.005					
12/5/2016			<0.005			
12/6/2016		0.0044 (J)			<0.005	<0.005
2/14/2017	<0.005					
2/15/2017			<0.005			
2/16/2017		0.0081			<0.005	<0.005
4/13/2017	0.0007 (J)					
4/18/2017		0.0084	0.0009 (J)		0.0007 (J)	
4/19/2017						0.0012 (J)
5/25/2017	0.0013 (J)					
5/30/2017					0.0008 (J)	0.0006 (J)
6/2/2017		0.008	0.0015 (J)			
7/7/2017	<0.005					
7/12/2017		0.0063				
7/13/2017			0.0006 (J)			
7/14/2017					0.0008 (J)	<0.005
3/27/2018		0.0064			0.0014 (J)	0.00076 (J)
3/28/2018			0.0015 (J)			
6/12/2018					0.00073 (J)	
6/14/2018		0.0075	0.00096 (J)			<0.005
10/16/2018	0.00095 (J)					
10/17/2018			<0.005			<0.005
10/18/2018		0.0056			<0.005	
2/25/2019					<0.005	
2/27/2019						0.001 (J)
2/28/2019		0.0058	<0.005			
4/1/2019			0.00028 (J)			
4/2/2019	0.00032 (J)	0.0057			0.0003 (J)	0.00024 (J)
9/23/2019	0.0012 (J)					
9/25/2019		0.0058	0.00085 (J)			
9/26/2019					0.00074 (J)	0.0008 (J)
2/18/2020	0.0019 (J)					
2/20/2020		0.0067			0.00042 (J)	
2/24/2020			0.00039 (J)			<0.005
3/19/2020	<0.005		0.00036 (J)		<0.005	<0.005
3/23/2020		0.0049 (J)				
5/22/2020				0.001 (J)		
6/23/2020				<0.005		
7/28/2020				0.0011 (J)		
9/2/2020				<0.005		
9/23/2020	<0.005					
9/24/2020		0.006			<0.005	<0.005
9/25/2020			<0.005			

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
10/1/2020				<0.005		
11/10/2020				<0.005		
12/15/2020				<0.005		
1/20/2021				<0.005		
2/18/2021	0.0011 (J)	0.0054		<0.005	<0.005	<0.005
2/19/2021			0.0011 (J)			
3/24/2021			0.002 (J)	0.002 (J)	0.0013 (J)	0.0017 (J)
3/30/2021		0.0053				
3/31/2021	<0.005					
8/16/2021	<0.005					
8/18/2021		0.0083	0.0039 (J)	0.0034 (J)	<0.005	
8/19/2021						0.0014 (J)
2/9/2022	<0.005			<0.005		
2/11/2022		0.0094	<0.005		<0.005	<0.005
7/26/2022	<0.005			<0.005		
7/27/2022			0.0028 (J)		<0.005	<0.005
7/28/2022		0.005				
Mean	0.003551	0.006518	0.002638	0.004038	0.003281	0.003532
Std. Dev.	0.00197	0.001544	0.001996	0.001601	0.002126	0.002006
Upper Lim.	0.005	0.007347	0.005	0.005	0.005	0.005
Lower Lim.	0.0011	0.00569	0.00085	0.0011	0.00074	0.0012

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	<0.005	0.00046 (J)	0.0011 (J)	0.0015	0.0012 (J)	
6/9/2016						0.0012 (J)
8/12/2016	<0.005	0.0008 (J)	0.0017 (J)			
8/18/2016				<0.005	0.0022 (J)	0.003 (J)
10/7/2016	<0.005	<0.005				
10/10/2016			<0.005	<0.005	0.002 (J)	0.0021 (J)
12/6/2016	<0.005					
12/7/2016		<0.005	<0.005			0.0023 (J)
12/8/2016				<0.005	<0.05	
2/16/2017	<0.005	<0.005				
2/17/2017			<0.005	<0.005	0.0023 (J)	
2/20/2017						0.0025 (J)
4/19/2017	0.0013 (J)	0.0015 (J)	0.002 (J)	0.002 (J)		0.0032 (J)
4/20/2017					0.0028 (J)	
6/1/2017	0.0005 (J)	0.0008 (J)	0.0017 (J)	0.0011 (J)		
6/5/2017					0.0035 (J)	0.0043 (J)
7/14/2017	<0.005	0.0006 (J)				
7/17/2017						0.0017 (J)
7/18/2017			0.0018 (J)	0.0015 (J)		
7/19/2017					0.0028 (J)	
3/27/2018	0.00066 (J)	0.00082 (J)				
3/28/2018			0.0018 (J)	0.0012 (J)		
3/29/2018					0.0037 (J)	0.0028 (J)
6/13/2018			0.0015 (J)			0.0019 (J)
6/14/2018	<0.005			0.00087 (J)	0.0027 (J)	
6/15/2018		0.00074 (J)				
10/18/2018	<0.005					
10/19/2018		<0.005		0.00059 (J)		
10/22/2018			<0.005		0.0016 (J)	0.0015 (J)
2/27/2019	0.00083 (J)		0.0014 (J)			
3/1/2019		<0.005			0.0011 (J)	0.0023 (J)
4/2/2019	0.00015 (J)					
4/3/2019		0.00017 (J)	0.00027 (J)	0.00038 (J)	0.0021 (J)	0.00093 (J)
9/26/2019	0.00046 (J)	0.00067 (J)	0.00087 (J)			
9/27/2019					0.0013 (J)	0.00096 (J)
9/30/2019				<0.005		
2/24/2020	<0.005	<0.005	0.00057 (J)			
2/25/2020					0.0014 (J)	0.0012 (J)
2/26/2020				0.00047 (J)		
3/20/2020	<0.005	<0.005		<0.005	0.0015 (J)	
3/23/2020			<0.005			0.0027 (J)
9/24/2020	<0.005			<0.005	0.0019 (J)	0.001 (J)
9/28/2020		<0.005	<0.005			
2/18/2021	<0.005	<0.005	0.0016 (J)			
2/19/2021				0.00079 (J)	0.0039 (J)	0.0049 (J)
3/24/2021	0.0014 (J)					
3/26/2021		<0.005				<0.05
3/29/2021			<0.005	<0.005	<0.05	
8/19/2021	0.002 (J)					
8/20/2021		<0.005	<0.005	<0.005		
8/23/2021					0.0036 (J)	0.0043 (J)
2/14/2022						0.0065

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/15/2022					0.007	
2/16/2022	<0.005	0.0022 (J)	0.0031 (J)	0.002 (J)		
7/27/2022	<0.005	<0.005	<0.005			
7/28/2022				<0.005		
8/1/2022						0.0085
8/2/2022					0.0033 (J)	
Mean	0.003514	0.003125	0.002928	0.002971	0.004632	0.003854
Std. Dev.	0.002043	0.002135	0.001844	0.002023	0.00672	0.005088
Upper Lim.	0.005	0.005	0.005	0.005	0.0036	0.004004
Lower Lim.	0.0013	0.00074	0.0015	0.00087	0.0016	0.001712

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016		0.0037				
6/9/2016	0.0016					
8/15/2016		0.003 (J)				
8/18/2016	0.0054					
10/10/2016	0.0079	0.0026 (J)				
12/7/2016	0.0121					
12/8/2016		<0.005				
1/23/2017			<0.005			
2/7/2017			<0.005			
2/20/2017	0.0063	0.0029 (J)				
3/27/2017			0.0019 (J)			
4/17/2017			0.0017 (J)			
4/19/2017	0.0051					
4/20/2017		0.0024 (J)				
5/22/2017			0.0034 (J)			
6/1/2017		0.0025 (J)				
6/5/2017	0.0072		0.0039 (J)			
7/11/2017			0.0016 (J)			
7/17/2017	0.0031 (J)	0.0021 (J)				
8/23/2017			0.001 (J)			
3/26/2018			0.0015 (J)			
3/28/2018		0.0019 (J)				
3/29/2018	0.0075 (J)					
6/13/2018	0.0045 (J)					
6/14/2018		0.0022 (J)				
6/15/2018			0.00089 (J)			
10/18/2018				0.0034 (J)		
10/19/2018						0.013
10/22/2018	0.0027 (J)	0.0026 (J)	0.00064 (J)		0.00076 (J)	
1/14/2019						0.017
3/1/2019	0.0032 (J)	0.0022 (J)	<0.005			
3/4/2019						0.02
4/2/2019			0.00024 (J)			
4/3/2019	0.0019 (J)					
4/4/2019		0.0016 (J)		0.0036 (J)		0.015
4/5/2019					0.00093 (J)	
9/24/2019				0.0055		0.016
9/26/2019					0.0018 (J)	
9/27/2019			0.00042 (J)			
9/30/2019	0.0027 (J)	0.002 (J)				
2/26/2020	0.0013 (J)	0.0018 (J)	0.00053 (J)	0.0037 (J)		
2/27/2020					0.00081 (J)	0.017
3/23/2020			<0.005	0.0054		
3/24/2020		0.0013 (J)			0.0017 (J)	0.02
3/25/2020	<0.005					
9/25/2020	0.0023 (J)		<0.005		0.00093 (J)	
9/28/2020		0.0028 (J)		0.0044 (J)		0.018
2/19/2021	0.0054					0.015
2/22/2021				0.0049 (J)		
2/23/2021		0.004 (J)			0.0032 (J)	
3/8/2021			<0.005			
3/25/2021			0.0015 (J)			

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
3/26/2021	<0.005	0.0025 (J)				
3/29/2021				0.0038 (J)		
3/30/2021					<0.005	0.016
8/19/2021		0.0019 (J)	<0.005			
8/20/2021				0.0054		
8/23/2021	0.0032 (J)					
8/24/2021						0.017
8/25/2021					0.0029 (J)	
2/14/2022			<0.005			
2/15/2022	0.0073					
2/16/2022		0.0055		0.007	0.0041 (J)	0.02
7/27/2022		0.0027 (J)				
7/28/2022				0.0051		0.015
7/29/2022					<0.005	
8/1/2022			0.0034 (J)			
8/2/2022	<0.005					
10/21/2022	0.003 (JR)					
Mean	0.0044	0.002577	0.002846	0.004745	0.002466	0.01685
Std. Dev.	0.002652	0.0009045	0.001907	0.00109	0.001663	0.002193
Upper Lim.	0.005413	0.002976	0.005	0.005654	0.002859	0.01848
Lower Lim.	0.002903	0.002088	0.001	0.003837	0.000915	0.01522

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-40	BGWC-41D
10/17/2018		0.00082 (J)				
10/22/2018	0.0019 (J)					
4/2/2019		0.00039 (J)				
4/4/2019	0.0018 (J)					
9/26/2019	0.0035 (J)					
9/27/2019		0.00064 (J)				
2/25/2020	0.0013 (J)		0.04			
2/26/2020		<0.005				
2/27/2020				0.0021 (J)		
2/28/2020					0.00062 (J)	
3/23/2020		<0.005				
3/24/2020			0.028	0.0054		
3/25/2020	0.00046 (J)				0.00051 (J)	
9/2/2020				0.0012 (J)		0.00092 (J)
9/25/2020	0.0021 (J)		0.033			
9/28/2020		<0.005				
9/29/2020					<0.005	
2/22/2021	0.0034 (J)		0.019		0.0024 (J)	0.0033 (J)
3/8/2021		0.00096 (J)				
3/9/2021				0.0021 (J)		
3/25/2021		0.0021 (J)				
3/26/2021	0.002 (J)		0.013			
3/29/2021				0.0019 (J)		
3/30/2021					<0.005	
3/31/2021						0.0017 (J)
8/19/2021				<0.005		
8/20/2021	0.0021 (J)		0.014			
8/23/2021		0.0018 (J)				
8/24/2021					0.0021 (J)	0.0027 (J)
2/14/2022		<0.005		0.0036 (J)		
2/15/2022						0.0062
2/16/2022					0.0032 (J)	
2/17/2022	0.0065		0.011			
7/28/2022	<0.005		0.013		<0.005	
7/29/2022		<0.005				0.0034 (J)
8/2/2022				0.0025 (J)		
Mean	0.002505	0.002883	0.02138	0.002662	0.002979	0.003037
Std. Dev.	0.001576	0.002083	0.01091	0.001297	0.001892	0.001821
Upper Lim.	0.003649	0.005	0.03294	0.004037	0.002874	0.005539
Lower Lim.	0.001267	0.00064	0.009806	0.001288	0.0006583	0.0005345

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-50D	BGWC-51	BGWC-52
9/3/2020	0.0023 (J)	0.00099 (J)	0.0033 (J)			
1/28/2021					0.0012 (J)	0.00099 (J)
2/18/2021			0.0078			
2/22/2021	0.0068					
2/23/2021					0.0048 (J)	0.0028 (J)
3/8/2021		0.0013 (J)				
3/29/2021		0.001 (J)				
3/30/2021					0.0065 (J)	0.001 (J)
3/31/2021			0.0043 (J)			
4/1/2021	0.002 (J)					
4/19/2021				0.0032 (J)		
8/18/2021			0.0019 (J)	0.0018 (J)		
8/20/2021	0.0064					
8/23/2021		0.0022 (J)			0.0033 (J)	0.002 (J)
2/9/2022			0.0062	0.0023 (J)		
2/14/2022					<0.005	<0.005
2/15/2022		0.0048 (J)				
2/17/2022	0.009					
7/26/2022			0.0041 (J)	0.0035 (J)		
7/28/2022	0.0033 (J)					<0.005
8/1/2022		0.0045 (J)			<0.005	
Mean	0.004967	0.002465	0.0046	0.0027	0.0043	0.002798
Std. Dev.	0.002842	0.001752	0.002103	0.0007874	0.001826	0.001835
Upper Lim.	0.00887	0.005018	0.007489	0.004488	0.006208	0.002738
Lower Lim.	0.001063	0.0005427	0.001711	0.0009123	0.001125	0.0006572

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9
6/6/2016			0.0022
6/7/2016		0.00018 (J)	
6/8/2016	0.0024		
8/10/2016		<0.005	
8/11/2016	0.0024 (J)		0.0028 (J)
10/4/2016		<0.005	
10/5/2016			0.002 (J)
10/6/2016	<0.005		
12/2/2016		<0.005	
12/5/2016			<0.005
12/6/2016	<0.005		
2/14/2017		<0.005	
2/15/2017	0.003 (J)		0.0033 (J)
4/14/2017		0.0007 (J)	
4/17/2017			0.0028 (J)
4/18/2017	0.0029 (J)		
5/26/2017		0.0008 (J)	0.0035 (J)
6/2/2017	0.0031 (J)		
7/10/2017		0.0011 (J)	
7/11/2017			0.0033 (J)
7/14/2017	0.0017 (J)		
3/26/2018		0.0009 (J)	
3/27/2018	0.0028 (J)		0.0021 (J)
6/12/2018		0.00065 (J)	0.0015 (J)
6/13/2018	0.0023 (J)		
10/16/2018		0.00064 (J)	
10/17/2018			0.0035 (J)
10/18/2018	0.0015 (J)		
2/25/2019		<0.005	
2/28/2019	0.0011 (J)		
4/1/2019		0.00041 (J)	0.0026 (J)
4/2/2019	0.0016 (J)		
9/24/2019	0.0031 (J)	0.00047 (J)	0.0033 (J)
2/19/2020		0.0011 (J)	
2/20/2020			0.0019 (J)
2/21/2020	0.0018 (J)		
3/18/2020		0.00042 (J)	
3/19/2020	0.0018 (J)		0.0014 (J)
9/23/2020		<0.005	
9/24/2020			0.0021 (J)
9/25/2020	0.0025 (J)		
2/16/2021		<0.005	
2/17/2021			0.0019 (J)
2/18/2021	0.0026 (J)		
3/24/2021		0.0012 (J)	0.0025 (J)
3/30/2021	0.0017 (J)		
8/18/2021		0.0014 (J)	0.0025 (J)
8/19/2021	0.0045 (J)		
2/10/2022		<0.005	0.0018 (J)
2/11/2022	0.0022 (J)		
7/26/2022		<0.005	<0.005
7/28/2022	0.0024 (J)		

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-7	BGWC-8	BGWC-9
Mean	0.002382	0.002499	0.002476
Std. Dev.	0.0007274	0.002147	0.0006395
Upper Lim.	0.002772	0.005	0.002829
Lower Lim.	0.001991	0.00065	0.002123

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	0.015					
6/7/2016		0.091	0.027		0.027	0.017
8/10/2016	0.0142					
8/11/2016					0.0292	0.0152
8/12/2016			0.026			
8/16/2016		0.0667				
10/4/2016	0.0137					
10/6/2016			0.0308			
10/7/2016		0.0631			0.0295	0.0225
12/1/2016	0.0144					
12/5/2016			0.0258			
12/6/2016		0.0659			0.0367	0.0171
2/14/2017	0.0114					
2/15/2017			0.029			
2/16/2017		0.0621			0.0315	0.0187
4/13/2017	0.0115					
4/18/2017		0.0545	0.0294		0.0272	
4/19/2017						0.0183
5/25/2017	0.0122					
5/30/2017					0.0316	0.0179
6/2/2017		0.0555	0.0354			
7/7/2017	0.012					
7/12/2017		0.0572				
7/13/2017			0.0329			
7/14/2017					0.029	0.0191
3/27/2018		0.051			0.027	0.015
3/28/2018			0.034			
6/12/2018					0.029	
6/14/2018		0.053	0.032			0.016
10/16/2018	0.011					
10/17/2018			0.033			0.015
10/18/2018		0.053			0.026	
2/25/2019					0.028	
2/27/2019						0.014
2/28/2019		0.053	0.033			
4/1/2019			0.023			
4/2/2019	0.011	0.045			0.025	0.015
9/23/2019	0.012					
9/25/2019		0.047	0.035			
9/26/2019					0.031	0.023
2/18/2020	0.012					
2/20/2020		0.049			0.026	
2/24/2020			0.033			0.014
3/19/2020	0.013		0.034		0.027	0.017
3/23/2020		0.042				
5/22/2020				0.036		
6/23/2020				0.029		
7/28/2020				0.049		
9/2/2020				0.04		
9/23/2020	0.01					
9/24/2020		0.041			0.028	0.022
9/25/2020			0.038			

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
10/1/2020				0.039		
11/10/2020				0.037		
12/15/2020				0.042		
1/20/2021				0.042		
2/18/2021	0.012	0.039		0.036	0.028	0.017
2/19/2021			0.043			
3/24/2021			0.039	0.032	0.028	0.018
3/30/2021		0.041				
3/31/2021	0.052					
8/16/2021	0.044					
8/18/2021		0.036	0.042	0.04	0.027	
8/19/2021						0.015
2/9/2022	0.043			0.022		
2/11/2022		0.044	0.043		0.03	0.015
7/26/2022	0.016			0.038		
7/27/2022			0.045		0.033	0.015
7/28/2022		0.042				
Mean	0.01792	0.05236	0.03379	0.03708	0.02885	0.01713
Std. Dev.	0.01284	0.01238	0.005999	0.006664	0.002676	0.002654
Upper Lim.	0.016	0.05901	0.03701	0.04203	0.03029	0.01844
Lower Lim.	0.0114	0.04572	0.03057	0.03212	0.02741	0.01568

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	0.039	0.036	0.036	0.054	0.092	
6/9/2016						0.11
8/12/2016	0.031	0.0412	0.0283			
8/18/2016				0.0479	0.0953	0.0893
10/7/2016	0.0427	0.0427				
10/10/2016			0.0288	0.0433	0.0954	0.0839
12/6/2016	0.0398					
12/7/2016		0.0338	0.0279			0.0912
12/8/2016				0.0474	0.0991	
2/16/2017	0.0309	0.0407				
2/17/2017			0.0316	0.0483	0.0927	
2/20/2017						0.0813
4/19/2017	0.0325	0.042	0.0367	0.0486		0.087
4/20/2017					0.086	
6/1/2017	0.0331	0.0341	0.0361	0.0468		
6/5/2017					0.0875	0.084
7/14/2017	0.0349	0.0405				
7/17/2017						0.0809
7/18/2017			0.0346	0.0494		
7/19/2017					0.0877	
3/27/2018	0.027	0.029				
3/28/2018			0.03	0.043		
3/29/2018					0.088	0.085
6/13/2018			0.031			0.091
6/14/2018	0.032			0.042	0.093	
6/15/2018		0.032				
10/18/2018	0.033					
10/19/2018		0.037		0.038		
10/22/2018			0.03		0.088	0.087
2/27/2019	0.027		0.032			
3/1/2019		0.028			0.087	0.097
4/2/2019	0.028					
4/3/2019		0.033	0.029	0.033	0.082	0.087
9/26/2019	0.042	0.049	0.032			
9/27/2019					0.095	0.11
9/30/2019				0.036		
2/24/2020	0.028	0.024	0.033			
2/25/2020					0.062	0.12
2/26/2020				0.024		
3/20/2020	0.031	0.034		0.03	0.075	
3/23/2020			0.032			0.11
9/24/2020	0.031			0.031	0.093	0.12
9/28/2020		0.03	0.032			
2/18/2021	0.034	0.026	0.039			
2/19/2021				0.03	0.086	0.12
3/24/2021	0.031					
3/26/2021		0.028				0.12
3/29/2021			0.033	0.025	0.079	
8/19/2021	0.029					
8/20/2021		0.035	0.034	0.024		
8/23/2021					0.073	0.11
2/14/2022						0.11

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/15/2022					0.074	
2/16/2022	0.032	0.036	0.035	0.028		
7/27/2022	0.029	0.039	0.032			
7/28/2022				0.025		
8/1/2022						0.099
8/2/2022					0.074	
Mean	0.03263	0.03505	0.03245	0.03784	0.08567	0.0988
Std. Dev.	0.004555	0.00619	0.002928	0.009932	0.009353	0.01433
Upper Lim.	0.03508	0.03837	0.03403	0.04332	0.09069	0.11
Lower Lim.	0.03019	0.03172	0.03088	0.03236	0.08065	0.085

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016		0.038				
6/9/2016	0.14					
8/15/2016		0.0321				
8/18/2016	0.113					
10/10/2016	0.0888	0.0283				
12/7/2016	0.0289					
12/8/2016		0.0294				
1/23/2017			0.237			
2/7/2017			0.191			
2/20/2017	0.0999	0.0275				
3/27/2017			0.197			
4/17/2017			0.192			
4/19/2017	0.114					
4/20/2017		0.0279				
5/22/2017			0.197			
6/1/2017		0.0313				
6/5/2017	0.135		0.201			
7/11/2017			0.179			
7/17/2017	0.134	0.0251				
8/23/2017			0.15			
3/26/2018			0.1			
3/28/2018		0.018				
3/29/2018	0.08					
6/13/2018	0.1					
6/14/2018		0.019				
6/15/2018			0.087			
10/18/2018				0.055		
10/19/2018						0.038
10/22/2018	0.1	0.018	0.1		0.096	
3/1/2019	0.12	0.021	0.078			
4/2/2019			0.075			
4/3/2019	0.095					
4/4/2019		0.016		0.032		0.031
4/5/2019					0.085	
9/24/2019				0.038		0.036
9/26/2019					0.12	
9/27/2019			0.08			
9/30/2019	0.098	0.016				
2/26/2020	0.1	0.015	0.062	0.033		
2/27/2020					0.092	0.036
3/23/2020			0.075	0.038		
3/24/2020		0.015			0.094	0.043
3/25/2020	0.096					
9/25/2020	0.088		0.07		0.14	
9/28/2020		0.016		0.038		0.042
2/19/2021	0.081					0.053
2/22/2021				0.041		
2/23/2021		0.019			0.13	
3/8/2021			0.074			
3/25/2021			0.06			
3/26/2021	0.075	0.018				
3/29/2021				0.039		

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
3/30/2021					0.13	0.048
8/19/2021		0.019	0.094			
8/20/2021				0.041		
8/23/2021	0.077					
8/24/2021						0.048
8/25/2021					0.099	
2/14/2022			0.072			
2/15/2022	0.077					
2/16/2022		0.019		0.042	0.096	0.052
7/27/2022		0.016				
7/28/2022				0.039		0.051
7/29/2022					0.09	
8/1/2022			0.061			
8/2/2022	0.022					
10/21/2022	0.057 (R)					
Mean	0.09216	0.02203	0.1196	0.03964	0.1065	0.04345
Std. Dev.	0.02945	0.006693	0.05938	0.005971	0.01946	0.007488
Upper Lim.	0.1076	0.02513	0.191	0.04429	0.1222	0.04969
Lower Lim.	0.07675	0.01829	0.074	0.03486	0.09054	0.03721

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018		0.11				
10/22/2018	0.065					
4/2/2019		0.074				
4/4/2019	0.071					
9/26/2019	0.085					
9/27/2019		0.084				
2/25/2020	0.099		0.12			
2/26/2020		0.064				
2/27/2020				0.24	0.06	
2/28/2020						0.045
3/23/2020		0.062				
3/24/2020			0.1	0.17	0.04	
3/25/2020	0.12					0.048
9/2/2020				0.19		
9/25/2020	0.11		0.1			
9/28/2020		0.067				
9/29/2020					0.096	0.047
2/22/2021	0.091		0.09		0.054	0.061
3/8/2021		0.073				
3/9/2021				0.096		
3/25/2021		0.073				
3/26/2021	0.07		0.089			
3/29/2021				0.082		
3/30/2021						0.06
3/31/2021					0.06	
8/19/2021				0.14		
8/20/2021	0.069		0.09			
8/23/2021		0.066				
8/24/2021					0.065	0.053
2/14/2022		0.064		0.15		
2/16/2022					0.067	0.055
2/17/2022	0.071		0.087			
7/28/2022	0.06		0.094			0.047
7/29/2022		0.062				
8/2/2022				0.12	0.07	
Mean	0.08282	0.07264	0.09625	0.1485	0.064	0.052
Std. Dev.	0.01982	0.01407	0.01078	0.05158	0.01594	0.006211
Upper Lim.	0.09933	0.084	0.12	0.2032	0.08089	0.05858
Lower Lim.	0.0663	0.062	0.087	0.09383	0.04711	0.04542

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D
9/2/2020	0.046					
9/3/2020		0.087	0.083	0.02		
2/18/2021				0.026		
2/22/2021	0.053	0.13				
3/8/2021			0.068			
3/29/2021			0.065			
3/31/2021	0.058			0.025		
4/1/2021		0.058				
4/19/2021					0.077	0.033
8/18/2021				0.021		0.028
8/20/2021		0.12				
8/23/2021			0.07			
8/24/2021	0.06				0.094	
2/9/2022				0.023		0.049
2/15/2022	0.063		0.076			
2/17/2022		0.12			0.077	
7/26/2022				0.022		0.051
7/28/2022		0.084				
7/29/2022	0.06					
8/1/2022			0.066		0.062	
Mean	0.05667	0.09983	0.07133	0.02283	0.0775	0.04025
Std. Dev.	0.006186	0.02789	0.006919	0.002317	0.01308	0.01147
Upper Lim.	0.06516	0.1381	0.08084	0.02602	0.1072	0.06629
Lower Lim.	0.04817	0.06152	0.06183	0.01965	0.04781	0.01421

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016					0.034
6/7/2016				0.0051	
6/8/2016			0.048		
8/10/2016				0.0264	
8/11/2016			0.0428		0.0305
10/4/2016				0.0316	
10/5/2016					0.0289
10/6/2016			0.0404		
12/2/2016				0.026	
12/5/2016					0.0269
12/6/2016			0.0385		
2/14/2017				0.0299	
2/15/2017			0.039		0.0299
4/14/2017				0.0275	
4/17/2017					0.0318
4/18/2017			0.0392		
5/26/2017				0.0328	0.0341
6/2/2017			0.0407		
7/10/2017				0.0305	
7/11/2017					0.0355
7/14/2017			0.0394		
3/26/2018				0.029	
3/27/2018			0.039		0.026
6/12/2018				0.031	0.024
6/13/2018			0.038		
10/16/2018				0.034	
10/17/2018					0.037
10/18/2018			0.037		
2/25/2019				0.03	
2/28/2019			0.041		
4/1/2019				0.025	0.027
4/2/2019			0.031		
9/24/2019			0.035	0.03	0.035
2/19/2020				0.032	
2/20/2020					0.025
2/21/2020			0.03		
3/18/2020				0.028	
3/19/2020			0.031		0.028
9/23/2020				0.029	
9/24/2020					0.031
9/25/2020			0.03		
1/28/2021	0.061	0.076			
2/16/2021				0.028	
2/17/2021					0.03
2/18/2021			0.031		
2/23/2021	0.054	0.095			
3/24/2021				0.027	0.026
3/30/2021	0.051	0.084	0.035		
8/18/2021				0.029	0.025
8/19/2021			0.028		
8/23/2021	0.044	0.063			
2/10/2022				0.027	0.026

Confidence Interval

Constituent: Barium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
2/11/2022			0.029		
2/14/2022	0.011	0.029			
7/26/2022				0.029	0.029
7/28/2022		0.021	0.028		
8/1/2022	0.0081				
Mean	0.03818	0.06133	0.03595	0.02808	0.02955
Std. Dev.	0.02286	0.03012	0.005493	0.00561	0.003848
Upper Lim.	0.06959	0.1027	0.0389	0.03052	0.03168
Lower Lim.	0.006781	0.01995	0.03301	0.02708	0.02743

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-22
6/7/2016	<0.0005	<0.003	<0.0005			
6/8/2016				<0.0005	<0.003	<0.003
8/11/2016		<0.003	<0.0005			
8/12/2016	<0.0005			<0.0005	<0.003	
8/18/2016						<0.003
10/6/2016	<0.0005					
10/7/2016		<0.003	<0.0005	<0.0005	<0.003	
10/10/2016						<0.003
12/5/2016	<0.0005					
12/6/2016		<0.003	<0.0005	<0.0005		
12/7/2016					<0.003	
12/8/2016						<0.003
2/15/2017	<0.0005					
2/16/2017		<0.003	<0.0005	<0.0005	<0.003	
2/17/2017						<0.003
4/18/2017	<0.0005	<0.003				
4/19/2017			<0.0005	<0.0005	8E-05 (J)	
4/20/2017						<0.003
5/30/2017		<0.003	<0.0005			
6/1/2017				9E-05 (J)	7E-05 (J)	
6/2/2017	<0.0005					
6/5/2017						<0.003
7/13/2017	<0.0005					
7/14/2017		<0.003	<0.0005	<0.0005	<0.003	
7/19/2017						<0.003
3/27/2018		<0.003	<0.0005	<0.0005	<0.003	
3/28/2018	<0.0005					
3/29/2018						<0.003
2/25/2019		8.7E-05 (J)				
2/27/2019			<0.0005	0.00011 (J)		
2/28/2019	7.6E-05 (J)					
3/1/2019					<0.003	0.00012 (J)
4/1/2019	<0.0005					
4/2/2019		6.3E-05 (J)	<0.0005	5.2E-05 (J)		
4/3/2019					<0.003	6.7E-05 (J)
9/25/2019	<0.0005					
9/26/2019		8E-05 (J)	<0.0005	<0.0005	<0.003	
9/27/2019						9.9E-05 (J)
2/20/2020		0.00012 (J)				
2/24/2020	<0.0005		<0.0005	<0.0005	<0.003	
2/25/2020						9.3E-05 (J)
3/19/2020	<0.0005	0.00012 (J)	<0.0005			
3/20/2020				7.6E-05 (J)	<0.003	8.8E-05 (J)
9/24/2020		0.00011 (J)	5.4E-05 (J)	<0.0005		0.00012 (J)
9/25/2020	<0.0005					
9/28/2020					8.8E-05 (J)	
2/18/2021		0.00013 (J)	6.5E-05 (J)	6.8E-05 (J)	5.2E-05 (J)	
2/19/2021	4.6E-05 (J)					0.00013 (J)
3/24/2021	<0.0005	0.00014 (J)	<0.0005	6.1E-05 (J)		
3/26/2021					5.5E-05 (J)	
3/29/2021						0.00011 (J)
8/18/2021	<0.0005	0.00013 (J)				

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-12	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-22
8/19/2021			6.1E-05 (J)	<0.0005		
8/20/2021					8.7E-05 (J)	
8/23/2021						0.00011 (J)
2/11/2022	<0.0005	0.00013 (J)	<0.0005			
2/15/2022						0.00012 (J)
2/16/2022				6.3E-05 (J)	0.0001 (J)	
7/27/2022	<0.0005	0.00017 (J)	5.8E-05 (J)	<0.0005	6.1E-05 (J)	
8/2/2022						0.00012 (J)
Mean	0.0004561	0.001414	0.0004119	0.000351	0.00183	0.001409
Std. Dev.	0.0001352	0.001472	0.0001808	0.0002086	0.001471	0.001477
Upper Lim.	0.0005	0.003	0.0005	0.0005	0.003	0.003
Lower Lim.	7.6E-05	0.00012	6.5E-05	7.6E-05	8E-05	0.00011

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-23	BGWC-24	BGWC-36D	BGWC-38D	BGWC-39	BGWC-51
6/9/2016	<0.0005	<0.0005				
8/18/2016	<0.0005	<0.0005				
10/10/2016	<0.0005	<0.0005				
12/7/2016	<0.0005	<0.0005				
2/20/2017	<0.0005	<0.0005				
4/19/2017	<0.0005	<0.0005				
6/5/2017	<0.0005	<0.0005				
7/17/2017	<0.0005	<0.0005				
3/29/2018	<0.0005	<0.0005				
3/1/2019	<0.0005	<0.0005				
4/2/2019			7E-05 (J)			
4/3/2019	<0.0005	<0.0005				
9/27/2019	<0.0005		<0.0005			
9/30/2019		9.3E-05 (J)				
2/25/2020	<0.0005					
2/26/2020		0.0001 (J)	<0.0005			
2/27/2020				8.8E-05 (J)	<0.0005	
3/23/2020	<0.0005		<0.0005			
3/24/2020				<0.0005	7.9E-05 (J)	
3/25/2020		0.0001 (J)				
9/2/2020				6E-05 (J)		
9/24/2020	5.4E-05 (J)					
9/25/2020		0.00013 (J)				
9/28/2020			<0.0005			
9/29/2020				<0.0005		
1/28/2021						8.3E-05 (J)
2/19/2021	<0.0005	0.00018 (J)				
2/22/2021				<0.0005		
2/23/2021						0.00011 (J)
3/8/2021			<0.0005			
3/9/2021				<0.0005		
3/25/2021			<0.0005			
3/26/2021	<0.0005	<0.0005				
3/29/2021				<0.0005		
3/30/2021						0.00021 (J)
3/31/2021					<0.0005	
8/19/2021				5.9E-05 (J)		
8/23/2021	<0.0005	0.00017 (J)	<0.0005			0.00013 (J)
8/24/2021					<0.0005	
2/14/2022	<0.0005		<0.0005	<0.0005		7E-05 (J)
2/15/2022		0.00027 (J)				
2/16/2022					<0.0005	
7/29/2022			<0.0005			
8/1/2022	<0.0005					<0.0005
8/2/2022		<0.0005		5.4E-05 (J)	<0.0005	
10/21/2022		0.00022 (JR)				
Mean	0.0004777	0.0003697	0.000457	0.0002826	0.0004474	0.0001838
Std. Dev.	9.973E-05	0.0001744	0.000136	0.0002326	0.0001488	0.0001626
Upper Lim.	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001879
Lower Lim.	5.4E-05	0.00017	0.0005	5.4E-05	7.9E-05	6.138E-05

Confidence Interval

Constituent: Beryllium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52
1/28/2021	<0.0005
2/23/2021	<0.0005
3/30/2021	5.2E-05 (J)
8/23/2021	<0.0005
2/14/2022	<0.0005
7/28/2022	<0.0005
Mean	0.0004253
Std. Dev.	0.0001829
Upper Lim.	0.0005
Lower Lim.	5.2E-05

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
6/7/2016		0.0011 (J)	<0.0005			
6/8/2016				0.00063 (J)	<0.0005	<0.0005
8/11/2016		0.0011	0.0001 (J)			
8/12/2016				0.0004 (J)	<0.0005	<0.0005
10/7/2016		0.0012	0.0002 (J)	0.0008 (J)	0.0001 (J)	
10/10/2016						<0.0005
12/6/2016		0.0012	0.0001 (J)	0.0006 (J)		
12/7/2016					<0.0005	<0.0005
2/16/2017		0.0015	0.0001 (J)	0.0002 (J)	<0.0005	
2/17/2017						8E-05 (J)
4/18/2017		0.0012				
4/19/2017			0.0001 (J)	9E-05 (J)	<0.0005	<0.0005
5/30/2017		0.0011	0.0002 (J)			
6/1/2017				0.0003 (J)	0.0001 (J)	<0.0005
7/14/2017		0.0012	0.0002 (J)	0.0002 (J)	<0.0005	
7/18/2017						<0.0005
3/27/2018		0.0013	<0.0005	<0.0005	<0.0005	
3/28/2018						<0.0005
6/12/2018		0.0011				
6/13/2018						<0.0005
6/14/2018			0.00015 (J)	<0.0005		
6/15/2018					<0.0005	
10/17/2018			<0.0005			
10/18/2018		0.0012		0.00032 (J)		
10/19/2018					<0.0005	
10/22/2018						<0.0005
2/25/2019		0.0016				
2/27/2019			<0.0005	<0.0005		<0.0005
3/1/2019					<0.0005	
4/2/2019		0.0014	<0.0005	7.3E-05 (J)		
4/3/2019					<0.0005	<0.0005
9/26/2019		0.0017 (J)	0.00015 (J)	<0.0005	0.0002 (J)	<0.0005
2/20/2020		0.0019 (J)				
2/24/2020			<0.0005	0.00024 (J)	<0.0005	<0.0005
3/19/2020		0.0017 (J)	<0.0005			
3/20/2020				<0.0005	<0.0005	
3/23/2020						<0.0005
5/22/2020	<0.0005					
6/23/2020	<0.0005					
7/28/2020	<0.0005					
9/2/2020	0.00014 (J)					
9/24/2020		0.0018 (J)	0.00024 (J)	<0.0005		
9/28/2020					<0.0005	<0.0005
10/1/2020	0.00019 (J)					
11/10/2020	0.00019 (J)					
12/15/2020	0.00017					
1/20/2021	<0.0005					
2/18/2021	<0.0005	0.0018	<0.0005	<0.0005	<0.0005	<0.0005
3/24/2021	0.00016 (J)	0.0018	<0.0005	<0.0005		
3/26/2021					<0.0005	
3/29/2021						<0.0005
8/18/2021	0.00021 (J)	0.0018				

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20
8/19/2021			0.00017 (J)	<0.0005		
8/20/2021					<0.0005	<0.0005
2/9/2022	0.00021 (J)					
2/11/2022		0.0019	0.00016 (J)			
2/16/2022				<0.0005	<0.0005	<0.0005
7/26/2022	0.0004 (J)					
7/27/2022		0.0024	0.00029 (J)	<0.0005	<0.0005	<0.0005
Mean	0.0003208	0.0015	0.0003027	0.0004251	0.00045	0.0004809
Std. Dev.	0.0001599	0.0003599	0.0001739	0.0001792	0.00013	8.954E-05
Upper Lim.	0.0005	0.001693	0.0005	0.0003808	0.0005	0.0005
Lower Lim.	0.00016	0.001307	0.00015	0.0001718	0.0002	8E-05

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-38D	BGWC-39
6/8/2016	<0.005					
6/9/2016		<0.0005	0.00052 (J)			
8/18/2016	<0.005	<0.0005	0.0009 (J)			
10/10/2016	<0.005	<0.0005	0.0017			
12/7/2016		<0.0005	0.0004 (J)			
12/8/2016	0.0002 (J)					
1/23/2017				0.0003 (J)		
2/7/2017				0.0006 (J)		
2/17/2017	<0.005					
2/20/2017		<0.0005	0.0028			
3/27/2017				0.0003 (J)		
4/17/2017				0.0002 (J)		
4/19/2017		<0.0005	0.0035			
4/20/2017	<0.005					
5/22/2017				0.0003 (J)		
6/5/2017	<0.005	<0.0005	0.0035	0.0003 (J)		
7/11/2017				0.0005 (J)		
7/17/2017		<0.0005	0.0037			
7/19/2017	<0.005					
8/23/2017				0.0004 (J)		
3/26/2018				<0.0005		
3/29/2018	<0.005	<0.0005	0.0063			
6/13/2018		<0.0005	0.0053			
6/14/2018	<0.005					
6/15/2018				0.0002 (J)		
10/22/2018	<0.005	<0.0005	0.0053	<0.0005		
3/1/2019	0.00013 (J)	0.00019 (J)	0.0058	<0.0005		
4/2/2019				7.9E-05 (J)		
4/3/2019	<0.005	<0.0005	0.0053			
9/27/2019	<0.005	<0.0005		<0.0005		
9/30/2019			0.0075			
2/25/2020	<0.005	<0.0005				
2/26/2020			0.0064	<0.0005		
2/27/2020					0.00081 (J)	<0.0005
3/20/2020	<0.005					
3/23/2020		<0.0005		<0.0005		
3/24/2020					<0.0005	<0.0005
3/25/2020			0.0082			
9/2/2020					0.00032 (J)	
9/24/2020	0.00033 (J)	<0.0005				
9/25/2020			0.0081	<0.0005		
9/29/2020						0.0002 (J)
2/19/2021	0.00038 (J)	<0.0005	0.0068			
2/22/2021						0.00014 (J)
3/8/2021				<0.0005		
3/9/2021					<0.0005	
3/25/2021				<0.0005		
3/26/2021		<0.0005	0.0062			
3/29/2021	<0.005				<0.0005	
3/31/2021						0.00018 (J)
8/19/2021				<0.0005	<0.0005	
8/23/2021	0.00019 (J)	<0.0005	0.0039			

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-38D	BGWC-39
8/24/2021						0.00031 (J)
2/14/2022		<0.0005		<0.0005	<0.0005	
2/15/2022	0.0002 (J)		0.0042			
2/16/2022						0.00012 (J)
8/1/2022		<0.0005		<0.0005		
8/2/2022	0.00012 (J)		0.00026 (J)		<0.0005	<0.0005
10/21/2022			0.0031 (R)			
Mean	0.00348	0.0004859	0.004334	0.0004172	0.0005163	0.0003063
Std. Dev.	0.002279	6.609E-05	0.002459	0.0001357	0.0001344	0.00017
Upper Lim.	0.005	0.0005	0.00562	0.0005	0.00081	0.0002541
Lower Lim.	0.00033	0.00019	0.003048	0.0003	0.00032	0.0001271

Confidence Interval

Constituent: Cadmium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-43D	BGWC-51	BGWC-52
9/3/2020	0.0011 (J)		
1/28/2021		0.00031 (J)	0.00025 (J)
2/23/2021		0.00043 (J)	<0.0005
3/8/2021	0.0003 (J)		
3/29/2021	0.00019 (J)		
3/30/2021		0.0007	0.00018 (J)
8/23/2021	0.00036 (J)	0.00043 (J)	0.00018 (J)
2/14/2022		<0.0005	<0.0005
2/15/2022	0.0015		
7/28/2022			<0.0005
8/1/2022	0.0011	<0.0005	
Mean	0.0007583	0.0004783	0.0003517
Std. Dev.	0.0005432	0.0001289	0.0001645
Upper Lim.	0.001505	0.000601	0.0005
Lower Lim.	1.214E-05	0.0002156	0.00018

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.005					
6/7/2016		<0.005	<0.005		<0.005	<0.005
8/10/2016	0.0044 (J)					
8/11/2016					<0.005	<0.005
8/12/2016			<0.005			
8/16/2016		<0.005				
10/4/2016	<0.005					
10/6/2016			<0.005			
10/7/2016		<0.005			<0.005	<0.005
12/1/2016	<0.005					
12/5/2016			<0.005			
12/6/2016		<0.005			<0.005	<0.005
2/14/2017	<0.005					
2/15/2017			<0.005			
2/16/2017		<0.005			<0.005	<0.005
4/13/2017	<0.005					
4/18/2017		<0.005	<0.005		<0.005	
4/19/2017						<0.005
5/25/2017	<0.005					
5/30/2017					<0.005	<0.005
6/2/2017		<0.005	0.0003 (J)			
7/7/2017	<0.005					
7/12/2017		<0.005				
7/13/2017			<0.005			
7/14/2017					<0.005	<0.005
3/27/2018		<0.005			<0.005	<0.005
3/28/2018			<0.005			
2/25/2019					<0.005	
2/27/2019						<0.005
2/28/2019		<0.005	<0.005			
4/1/2019			<0.005			
4/2/2019	<0.005	<0.005			<0.005	0.00044 (J)
9/23/2019	<0.005					
9/25/2019		<0.005	0.00055 (J)			
9/26/2019					<0.005	<0.005
2/18/2020	<0.005					
2/20/2020		<0.005			<0.005	
2/24/2020			<0.005			<0.005
3/19/2020	0.0015 (J)		0.0004 (J)		0.00071 (J)	0.00039 (J)
3/23/2020		0.0011 (J)				
5/22/2020				<0.005		
6/23/2020				<0.005		
7/28/2020				<0.005		
9/2/2020				<0.005		
9/23/2020	<0.005					
9/24/2020		<0.005			<0.005	<0.005
9/25/2020			0.00058 (J)			
10/1/2020				<0.005		
11/10/2020				<0.005		
12/15/2020				<0.005		
1/20/2021				<0.005		
2/18/2021	<0.005	<0.005		0.026	0.0019 (J)	<0.005

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2021			<0.005			
3/24/2021			0.00079 (J)	<0.005	<0.005	<0.005
3/30/2021		<0.005				
3/31/2021	<0.005					
8/16/2021	<0.005					
8/18/2021		<0.005	<0.005	<0.005	<0.005	
8/19/2021						<0.005
2/9/2022	<0.005			<0.005		
2/11/2022		<0.005	<0.005		<0.005	<0.005
7/26/2022	<0.005			<0.005		
7/27/2022			<0.005		<0.005	<0.005
7/28/2022		<0.005				
Mean	0.004772	0.004805	0.003881	0.006615	0.00463	0.004541
Std. Dev.	0.0008288	0.0008721	0.00199	0.005824	0.001154	0.001411
Upper Lim.	0.005	0.005	0.005	0.026	0.005	0.005
Lower Lim.	0.0044	0.0011	0.00079	0.005	0.0019	0.00044

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-20	BGWC-21	BGWC-23	BGWC-24	BGWC-25
6/8/2016	<0.005	<0.005	<0.005			<0.005
6/9/2016				<0.005	<0.005	
8/12/2016	<0.005	<0.005				
8/15/2016						<0.005
8/18/2016			<0.005	<0.005	<0.005	
10/7/2016	0.0011 (J)					
10/10/2016		<0.005	<0.005	<0.005	0.0009 (J)	<0.005
12/6/2016	<0.005					
12/7/2016		<0.005		0.002 (J)	<0.005	
12/8/2016			<0.005			<0.005
2/16/2017	<0.005					
2/17/2017		<0.005	<0.005			
2/20/2017				<0.005	<0.005	<0.005
4/19/2017	<0.005	<0.005	<0.005	<0.005	<0.005	
4/20/2017						<0.005
6/1/2017	<0.005	<0.005	<0.005			<0.005
6/5/2017				<0.005	<0.005	
7/14/2017	<0.005					
7/17/2017				<0.005	<0.005	<0.005
7/18/2017		<0.005	<0.005			
3/27/2018	<0.005					
3/28/2018		<0.005	<0.005			<0.005
3/29/2018				<0.005	<0.005	
2/27/2019	<0.005	0.0048 (J)				
3/1/2019				0.0033 (J)	<0.005	<0.005
4/2/2019	<0.005					
4/3/2019		0.00088 (J)	<0.005	0.00057 (J)	<0.005	
4/4/2019						<0.005
9/26/2019	<0.005	0.0022 (J)				
9/27/2019				<0.005		
9/30/2019			<0.005		<0.005	0.0021 (J)
2/24/2020	<0.005	0.00096 (J)				
2/25/2020				<0.005		
2/26/2020			<0.005		0.00051 (J)	<0.005
3/20/2020	0.00046 (J)		0.00041 (J)			
3/23/2020		0.00091 (J)		0.00043 (J)		
3/24/2020						<0.005
3/25/2020					<0.005	
9/24/2020	<0.005		<0.005	<0.005		
9/25/2020					0.00058 (J)	
9/28/2020		0.0028 (J)				<0.005
2/18/2021	<0.005	0.00078 (J)				
2/19/2021			<0.005	<0.005	<0.005	
2/23/2021						<0.005
3/24/2021	0.00065 (J)					
3/26/2021				<0.005	<0.005	<0.005
3/29/2021		0.0011 (J)	0.0025 (J)			
8/19/2021	<0.005					<0.005
8/20/2021		<0.005	<0.005			
8/23/2021				0.0015 (J)	<0.005	
2/14/2022				<0.005		
2/15/2022					<0.005	

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-20	BGWC-21	BGWC-23	BGWC-24	BGWC-25
2/16/2022	<0.005	<0.005	<0.005			<0.005
7/27/2022	<0.005	<0.005				<0.005
7/28/2022			<0.005			
8/1/2022				<0.005		
8/2/2022					<0.005	
10/21/2022					<0.005 (R)	
Mean	0.00436	0.003721	0.004627	0.00414	0.00438	0.004855
Std. Dev.	0.001565	0.001822	0.001171	0.00162	0.001556	0.0006485
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0011	0.0011	0.0025	0.0033	0.0009	0.0021

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-35D	BGWC-36D	BGWC-37D
1/23/2017	0.001 (J)					
2/7/2017	<0.005					
3/27/2017	<0.005					
4/17/2017	<0.005					
5/22/2017	0.0004 (J)					
6/5/2017	0.0004 (J)					
7/11/2017	0.0012 (J)					
8/23/2017	0.0009 (J)					
3/26/2018	<0.005					
3/1/2019	<0.005					
4/2/2019	0.00095 (J)				0.001 (J)	
4/4/2019		<0.005		0.0011 (J)		
4/5/2019			<0.005			
9/24/2019		0.00064 (J)				
9/26/2019			0.00062 (J)	0.00067 (J)		
9/27/2019	0.00056 (J)				0.0006 (J)	
2/25/2020				<0.005		<0.005
2/26/2020	0.00073 (J)	<0.005			<0.005	
2/27/2020			0.00072 (J)			
3/23/2020	0.00098 (J)	0.0011 (J)			<0.005	
3/24/2020			0.0012 (J)			0.00068 (J)
3/25/2020				<0.005		
9/25/2020	0.00087 (J)		0.00057 (J)	0.00072 (J)		0.00068 (J)
9/28/2020		0.00056 (J)			<0.005	
2/22/2021		<0.005		<0.005		<0.005
2/23/2021			<0.005			
3/8/2021	0.0011 (J)				0.00057 (J)	
3/25/2021	0.00082 (J)				0.00057 (J)	
3/26/2021				<0.005		<0.005
3/29/2021		<0.005				
3/30/2021			<0.005			
8/19/2021	<0.005					
8/20/2021		<0.005		<0.005		<0.005
8/23/2021					<0.005	
8/25/2021			0.0043 (J)			
2/14/2022	0.0014 (J)				<0.005	
2/16/2022		<0.005	<0.005			
2/17/2022				<0.005		<0.005
7/28/2022		<0.005		<0.005		<0.005
7/29/2022			<0.005		<0.005	
8/1/2022	<0.005					
Mean	0.002315	0.00373	0.003241	0.003749	0.003274	0.00392
Std. Dev.	0.002035	0.00205	0.002137	0.002017	0.002232	0.002
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00082	0.00064	0.00062	0.00072	0.00057	0.00068

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D
2/27/2020	0.0031 (J)	<0.005				
2/28/2020			0.00043 (J)			
3/24/2020	0.00042 (J)	0.001 (J)				
3/25/2020			0.00058 (J)			
9/2/2020	<0.005			<0.005		
9/3/2020					<0.005	<0.005
9/29/2020		<0.005	0.00082 (J)			
2/22/2021		<0.005	<0.005	<0.005	0.0011 (J)	
3/8/2021						<0.005
3/9/2021	<0.005					
3/29/2021	<0.005					<0.005
3/30/2021			0.00081 (J)			
3/31/2021		<0.005		0.00068 (J)		
4/1/2021					0.00062 (J)	
8/19/2021	<0.005					
8/20/2021					<0.005	
8/23/2021						<0.005
8/24/2021		<0.005	<0.005	<0.005		
2/14/2022	<0.005					
2/15/2022				<0.005		0.0024 (J)
2/16/2022		<0.005	0.0011 (J)			
2/17/2022					<0.005	
7/28/2022			<0.005		<0.005	
7/29/2022				<0.005		
8/1/2022						<0.005
8/2/2022	<0.005	<0.005				
Mean	0.00419	0.0045	0.002342	0.00428	0.00362	0.004567
Std. Dev.	0.001662	0.001414	0.002209	0.001764	0.002143	0.001061
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00042	0.001	0.00043	0.00068	0.00062	0.0024

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/7/2016						<0.005
6/8/2016					<0.005	
8/10/2016						0.0052 (J)
8/11/2016					<0.005	
10/4/2016						0.0015 (J)
10/6/2016					<0.005	
12/2/2016						0.0013 (J)
12/6/2016					<0.005	
2/14/2017						<0.005
2/15/2017					<0.005	
4/14/2017						0.0011 (J)
4/18/2017					<0.005	
5/26/2017						0.0008 (J)
6/2/2017					<0.005	
7/10/2017						0.0009 (J)
7/14/2017					<0.005	
3/26/2018						<0.005
3/27/2018					<0.005	
2/25/2019						<0.005
2/28/2019					<0.005	
4/1/2019						0.00091 (J)
4/2/2019					<0.005	
9/24/2019					0.00055 (J)	0.063
2/19/2020						0.0011 (J)
2/21/2020					<0.005	
3/18/2020						0.0014 (J)
3/19/2020					0.00061 (J)	
9/3/2020	<0.005					
9/23/2020						0.0013 (J)
9/25/2020					<0.005	
1/28/2021			<0.005	<0.005		
2/16/2021						0.001 (J)
2/18/2021	0.00093 (J)				<0.005	
2/23/2021			0.0006 (J)	<0.005		
3/24/2021						0.0013 (J)
3/30/2021			<0.005	0.00061 (J)	0.00095 (J)	
3/31/2021	0.00094 (J)					
4/19/2021		0.00071 (J)				
8/18/2021	<0.005					0.0012 (J)
8/19/2021					<0.005	
8/23/2021			<0.005	<0.005		
8/24/2021		<0.005				
2/9/2022	<0.005					
2/10/2022						0.0014 (J)
2/11/2022					<0.005	
2/14/2022			<0.005	0.0013 (J)		
2/17/2022		<0.005				
7/26/2022	<0.005					<0.005
7/28/2022				<0.005	<0.005	
8/1/2022		<0.005	<0.005			
Mean	0.003645	0.003927	0.004267	0.003652	0.004355	0.00542
Std. Dev.	0.002099	0.002145	0.001796	0.0021	0.001576	0.01367

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-44D	BGWC-49D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.00093	0.00071	0.0006	0.00061	0.00095	0.0011

Confidence Interval

Constituent: Chromium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	<0.005
8/11/2016	<0.005
10/5/2016	0.002 (J)
12/5/2016	<0.005
2/15/2017	<0.005
4/17/2017	<0.005
5/26/2017	<0.005
7/11/2017	<0.005
3/27/2018	<0.005
4/1/2019	<0.005
9/24/2019	<0.005
2/20/2020	<0.005
3/19/2020	<0.005
9/24/2020	<0.005
2/17/2021	<0.005
3/24/2021	<0.005
8/18/2021	<0.005
2/10/2022	<0.005
7/26/2022	<0.005
Mean	0.004842
Std. Dev.	0.0006882
Upper Lim.	0.005
Lower Lim.	0.002

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.005					
6/7/2016		<0.005	<0.005		0.0037	<0.005
8/10/2016	0.0006 (J)					
8/11/2016					0.0039 (J)	<0.005
8/12/2016			<0.005			
8/16/2016		<0.005				
10/4/2016	<0.005					
10/6/2016			<0.005			
10/7/2016		<0.005			0.0043 (J)	<0.005
12/1/2016	<0.005					
12/5/2016			0.0006 (J)			
12/6/2016		<0.005			0.005 (J)	<0.005
2/14/2017	<0.005					
2/15/2017			<0.005			
2/16/2017		<0.005			0.0054 (J)	<0.005
4/13/2017	<0.005					
4/18/2017		<0.005	<0.005		0.0054 (J)	
4/19/2017						<0.005
5/25/2017	<0.005					
5/30/2017					0.0045 (J)	<0.005
6/2/2017		<0.005	<0.005			
7/7/2017	<0.005					
7/12/2017		<0.005				
7/13/2017			0.0003 (J)			
7/14/2017					0.0049 (J)	<0.005
3/27/2018		<0.005			<0.01	<0.005
3/28/2018			<0.005			
6/12/2018					0.0048 (J)	
6/14/2018		<0.005	<0.005			<0.005
10/16/2018	0.00094 (J)					
10/17/2018			<0.005			<0.005
10/18/2018		<0.005			0.0047 (J)	
2/25/2019					0.0071 (J)	
2/27/2019						<0.005
2/28/2019		<0.005	<0.005			
4/1/2019			0.00034 (J)			
4/2/2019	0.00016 (J)	0.00027 (J)			0.0056 (J)	0.00015 (J)
9/23/2019	0.00042 (J)					
9/25/2019		0.00056 (J)	0.0004 (J)			
9/26/2019					0.0093	<0.005
2/18/2020	0.00032 (J)					
2/20/2020		<0.005			0.0092	
2/24/2020			0.00034 (J)			<0.005
3/19/2020	<0.005		0.00035 (J)		0.0089	<0.005
3/23/2020		0.00031 (J)				
5/22/2020				0.00041 (J)		
6/23/2020				<0.005		
7/28/2020				<0.005		
9/2/2020				0.001 (J)		
9/23/2020	<0.005					
9/24/2020		<0.005			0.0095	<0.005
9/25/2020			0.00049 (J)			

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
10/1/2020				0.0018 (J)		
11/10/2020				0.0016 (J)		
12/15/2020				0.0018		
1/20/2021				0.0019 (J)		
2/18/2021	<0.005	<0.005		0.0013 (J)	0.0088	<0.005
2/19/2021			0.00066 (J)			
3/24/2021			0.00048 (J)	<0.005	0.0078	<0.005
3/30/2021		0.00052 (J)				
3/31/2021	0.00094 (J)					
8/16/2021	0.00052 (J)					
8/18/2021		0.00042 (J)	0.00085 (J)	0.0034 (J)	0.0098	
8/19/2021						<0.005
2/9/2022	0.0005 (J)			<0.005		
2/11/2022		0.00047 (J)	0.00057 (J)		0.0097	<0.005
7/26/2022	<0.005			0.003 (J)		
7/27/2022			<0.005		0.012	<0.005
7/28/2022		0.00058 (J)				
Mean	0.003126	0.003551	0.002745	0.002785	0.006786	0.00478
Std. Dev.	0.002264	0.002171	0.002311	0.001713	0.002456	0.001034
Upper Lim.	0.005	0.005	0.005	0.002338	0.008105	0.005
Lower Lim.	0.0005	0.00056	0.00048	0.0009874	0.005468	0.00015

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	0.00071 (J)	<0.005	<0.005	0.00041 (J)	0.0079	
6/9/2016						<0.005
8/12/2016	0.0006 (J)	<0.005	<0.005			
8/18/2016				<0.005	0.0109	<0.005
10/7/2016	0.0005 (J)	<0.005				
10/10/2016			<0.005	<0.005	0.011	<0.005
12/6/2016	0.0009 (J)					
12/7/2016		<0.005	0.0008 (J)			0.0015 (J)
12/8/2016				0.0006 (J)	0.013	
2/16/2017	<0.005	<0.005				
2/17/2017			<0.005	<0.005	0.0122	
2/20/2017						<0.005
4/19/2017	<0.005	<0.005	<0.005	<0.005		<0.005
4/20/2017					0.0116	
6/1/2017	<0.005	<0.005	<0.005	<0.005		
6/5/2017					0.0112	<0.005
7/14/2017	<0.005	<0.005				
7/17/2017						<0.005
7/18/2017			<0.005	0.0004 (J)		
7/19/2017					0.0131	
3/27/2018	<0.005	<0.005				
3/28/2018			<0.005	<0.005		
3/29/2018					0.016	<0.005
6/13/2018			<0.005			<0.005
6/14/2018	<0.005			<0.005	0.017	
6/15/2018		<0.005				
10/18/2018	<0.005					
10/19/2018		<0.005		<0.005		
10/22/2018			<0.005		0.021	<0.005
2/27/2019	<0.005		<0.005			
3/1/2019		<0.005			0.017	<0.005
4/2/2019	0.00012 (J)					
4/3/2019		7.2E-05 (J)	0.00024 (J)	0.00064 (J)	0.019	0.00058 (J)
5/2/2019					0.023 (J)	
9/26/2019	<0.005	<0.005	<0.005			
9/27/2019					0.027	0.00034 (J)
9/30/2019				0.0004 (J)		
2/24/2020	<0.005	<0.005	<0.005			
2/25/2020					0.017	0.00046 (J)
2/26/2020				0.00037 (J)		
3/20/2020	<0.005	<0.005		<0.005	0.02	
3/23/2020			0.00036 (J)			0.0004 (J)
9/24/2020	<0.005			0.00098 (J)	0.041	<0.005
9/28/2020		<0.005	<0.005			
2/18/2021	<0.005	<0.005	<0.005			
2/19/2021				0.0013 (J)	0.032	0.00044 (J)
3/24/2021	<0.005					
3/26/2021		<0.005				<0.005
3/29/2021			<0.005	0.00069 (J)	0.029 (J)	
7/19/2021					0.039	<0.005
8/19/2021	<0.005					
8/20/2021		<0.005	<0.005	0.00058 (J)		

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/23/2021					0.029	0.00047 (J)
11/1/2021					0.04	<0.005
2/14/2022						<0.005
2/15/2022					0.03	
2/16/2022	<0.005	<0.005	<0.005	0.0021 (J)		
7/27/2022	<0.005	<0.005	<0.005			
7/28/2022				0.0027 (J)		
8/1/2022						<0.005
8/2/2022					0.034	
Mean	0.003992	0.004776	0.004382	0.002675	0.02168	0.003716
Std. Dev.	0.001906	0.001051	0.001595	0.002137	0.01011	0.002054
Upper Lim.	0.005	0.005	0.005	0.005	0.02671	0.005
Lower Lim.	0.0009	7.2E-05	0.0008	0.00058	0.01664	0.00058

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016		<0.005				
6/9/2016	0.0026					
8/15/2016		<0.005				
8/18/2016	0.0021 (J)					
10/10/2016	0.0018 (J)	<0.005				
12/7/2016	0.0018 (J)					
12/8/2016		0.0006 (J)				
1/23/2017			0.0012 (J)			
2/7/2017			0.0008 (J)			
2/20/2017	0.0027 (J)	<0.005				
3/27/2017			0.001 (J)			
4/17/2017			0.0009 (J)			
4/19/2017	0.0032 (J)					
4/20/2017		<0.005				
5/22/2017			0.0008 (J)			
6/1/2017		<0.005				
6/5/2017	0.0034 (J)		0.0008 (J)			
7/11/2017			0.0008 (J)			
7/17/2017	0.0033 (J)	<0.005				
8/23/2017			0.0006 (J)			
3/26/2018			<0.005			
3/28/2018		<0.005				
3/29/2018	<0.005					
6/13/2018	0.0039 (J)					
6/14/2018		<0.005				
6/15/2018			<0.005			
10/18/2018				0.00079 (J)		
10/19/2018						0.0012 (J)
10/22/2018	0.0043 (J)	<0.005	<0.005		0.0037 (J)	
3/1/2019	0.0055 (J)	<0.005	<0.005			
4/2/2019			0.00022 (J)			
4/3/2019	0.0048 (J)					
4/4/2019		0.00022 (J)		0.00051 (J)		0.00042 (J)
4/5/2019					0.011	
5/3/2019					0.0078 (J)	
9/24/2019				0.00041 (J)		<0.005
9/26/2019					0.01	
9/27/2019			<0.005			
9/30/2019	0.0048 (J)	<0.005				
11/15/2019					0.0077	
2/26/2020	0.0045 (J)	<0.005	<0.005	0.00031 (J)		
2/27/2020					0.00095 (J)	<0.005
3/23/2020			<0.005	0.00036 (J)		
3/24/2020		<0.005			0.0037 (J)	0.00039 (J)
3/25/2020	0.0037 (J)					
9/25/2020	0.0038 (J)		<0.005		0.0081	
9/28/2020		<0.005		0.00046 (J)		0.00048 (J)
2/19/2021	0.0042 (J)					0.00057 (J)
2/22/2021				<0.005		
2/23/2021		<0.005			0.0062	
3/8/2021			<0.005			
3/25/2021			<0.005			

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
3/26/2021	<0.005	<0.005				
3/29/2021				<0.005		
3/30/2021					0.0014 (J)	0.00065 (J)
7/19/2021	0.0034 (J)					
7/20/2021			<0.005			
8/19/2021		<0.005	0.002 (J)			
8/20/2021				<0.005		
8/23/2021	0.0062					
8/24/2021						0.00085 (J)
8/25/2021					0.0018 (J)	
11/1/2021	0.0038 (J)		<0.005			
2/14/2022			<0.005			
2/15/2022	0.0037 (J)					
2/16/2022		<0.005		<0.005	<0.005	0.001 (J)
7/27/2022		<0.005				
7/28/2022				<0.005		0.0012 (J)
7/29/2022					0.0022 (J)	
8/1/2022			<0.005			
8/2/2022	<0.005					
10/21/2022	0.0026 (J)					
Mean	0.003504	0.004583	0.003297	0.002531	0.005158	0.001524
Std. Dev.	0.001125	0.001352	0.002079	0.002367	0.003463	0.001743
Upper Lim.	0.004065	0.005	0.005	0.005	0.007733	0.005
Lower Lim.	0.002943	0.0006	0.0009	0.00036	0.002582	0.00042

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018		0.00057 (J)				
10/22/2018	<0.01					
4/2/2019		0.0011 (J)				
4/4/2019	0.0011 (J)					
9/26/2019	0.0019 (J)					
9/27/2019		0.0009 (J)				
12/13/2019					0.0033 (J)	
2/25/2020	0.0011 (J)		0.0015 (J)			
2/26/2020		0.00058 (J)				
2/27/2020				0.014	0.00047 (J)	
2/28/2020						0.00049 (J)
3/23/2020		0.00049 (J)				
3/24/2020			0.0019 (J)	0.0065	<0.005	
3/25/2020	0.00046 (J)					0.00056 (J)
9/2/2020				0.0043 (J)		
9/25/2020	0.00082 (J)		0.0011 (J)			
9/28/2020		0.00038 (J)				
9/29/2020					0.00061 (J)	0.00044 (J)
2/22/2021	0.0011 (J)		0.0007 (J)		<0.005	0.0006 (J)
3/8/2021		<0.005				
3/9/2021				0.0014 (J)		
3/25/2021		<0.005				
3/26/2021	0.0015 (J)		0.0011 (J)			
3/29/2021				0.0015 (J)		
3/30/2021						0.00052 (J)
3/31/2021					<0.005	
8/19/2021				0.004 (J)		
8/20/2021	0.0018 (J)		0.00088 (J)			
8/23/2021		<0.005				
8/24/2021					<0.005	0.00061 (J)
11/1/2021				0.0033 (J)		
2/14/2022		<0.005		0.0019 (J)		
2/16/2022					<0.005	0.00052 (J)
2/17/2022	0.0024 (J)		0.00056 (J)			
7/28/2022	0.0038 (J)		<0.005			0.00042 (J)
7/29/2022		<0.005				
8/2/2022				0.0019 (J)	<0.005	
Mean	0.001907	0.002638	0.00128	0.004311	0.00382	0.00052
Std. Dev.	0.001371	0.002269	0.0006547	0.003997	0.001941	6.908E-05
Upper Lim.	0.002864	0.005	0.001974	0.007152	0.005	0.0005932
Lower Lim.	0.0008607	0.00049	0.000586	0.001413	0.00047	0.0004468

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-43D	BGWC-49D	BGWC-50D	BGWC-52	BGWC-7
6/8/2016						0.00081 (J)
8/11/2016						0.0007 (J)
10/6/2016						<0.01
12/6/2016						0.0009 (J)
2/15/2017						<0.01
4/18/2017						0.0005 (J)
6/2/2017						0.0006 (J)
7/14/2017						0.0006 (J)
3/27/2018						<0.01
6/13/2018						0.00068 (J)
10/18/2018						<0.01
2/28/2019						0.00067 (J)
4/2/2019						0.00094 (J)
9/24/2019						0.00078 (J)
2/21/2020						0.00081 (J)
3/19/2020						0.00091 (J)
9/2/2020	0.00075 (J)					
9/3/2020		0.002 (J)				
9/25/2020						0.00077 (J)
1/28/2021					0.0048 (J)	
2/18/2021						0.00074 (J)
2/22/2021	0.00053 (J)					
2/23/2021					0.0033 (J)	
3/8/2021		0.0043 (J)				
3/29/2021		0.0057				
3/30/2021					0.0031 (J)	0.00085 (J)
3/31/2021	<0.005					
4/19/2021			0.00079 (J)	0.0013 (J)		
7/20/2021		0.0057				
8/18/2021				0.0016 (J)		
8/19/2021						0.0008 (J)
8/23/2021		0.0051			0.0036 (J)	
8/24/2021	0.00044 (J)		0.001 (J)			
2/9/2022				0.00079 (J)		
2/11/2022						0.00068 (J)
2/14/2022					0.00044 (J)	
2/15/2022	<0.005	0.0038 (J)				
2/17/2022			0.00088 (J)			
7/26/2022				0.00072 (J)		
7/28/2022					0.00082 (J)	0.00074 (J)
7/29/2022	0.0004 (J)					
8/1/2022		0.0024 (J)	0.00065 (J)			
Mean	0.00202	0.004143	0.00083	0.001103	0.002677	0.002431
Std. Dev.	0.002311	0.001502	0.0001476	0.0004205	0.001696	0.003654
Upper Lim.	0.005	0.005927	0.001165	0.002057	0.005006	0.00091
Lower Lim.	0.0004	0.002359	0.0004948	0.0001478	0.0003471	0.00068

Confidence Interval

Constituent: Cobalt (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-8	BGWC-9
6/6/2016		<0.005
6/7/2016	0.00013 (J)	
8/10/2016	0.0003 (J)	
8/11/2016		0.0003 (J)
10/4/2016	<0.005	
10/5/2016		<0.005
12/2/2016	<0.005	
12/5/2016		0.0006 (J)
2/14/2017	<0.005	
2/15/2017		<0.005
4/14/2017	<0.005	
4/17/2017		<0.005
5/26/2017	<0.005	<0.005
7/10/2017	<0.005	
7/11/2017		<0.005
3/26/2018	<0.005	
3/27/2018		<0.005
6/12/2018	<0.005	<0.005
10/16/2018	<0.005	
10/17/2018		<0.005
2/25/2019	<0.005	
4/1/2019	5.6E-05 (J)	0.00024 (J)
9/24/2019	0.0012 (J)	<0.005
2/19/2020	<0.005	
2/20/2020		<0.005
3/18/2020	<0.005	
3/19/2020		<0.005
9/23/2020	<0.005	
9/24/2020		<0.005
2/16/2021	<0.005	
2/17/2021		<0.005
3/24/2021	<0.005	<0.005
8/18/2021	<0.005	<0.005
2/10/2022	<0.005	<0.005
7/26/2022	<0.005	<0.005
Mean	0.004168	0.00434
Std. Dev.	0.001818	0.001658
Upper Lim.	0.005	0.005
Lower Lim.	0.0012	0.0006

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	0.239 (U)					
6/7/2016		0.616	0.024 (U)		0.284 (U)	0.135 (U)
8/10/2016	1.19					
8/11/2016					1.71	0.808
8/12/2016			0.849			
8/16/2016		1.08				
10/4/2016	0.231 (U)					
10/6/2016			1.57			
10/7/2016		2.82			0.485 (U)	0.874 (U)
12/1/2016	0.428 (U)					
12/5/2016			0.956			
12/6/2016		0.719 (U)			1.22	0.131 (U)
2/14/2017	0.36 (U)					
2/15/2017			0.229 (U)			
2/16/2017		0.966 (U)			0.19 (U)	0.471 (U)
4/13/2017	0.387 (U)					
4/18/2017		1.01 (U)	0.0114 (U)		0.52 (U)	
4/19/2017						0.65 (U)
5/25/2017	0.123 (U)					
5/30/2017					1.21 (U)	0.65 (U)
6/2/2017		1.13 (U)	0.375 (U)			
7/7/2017	0.876 (U)					
7/12/2017		1.29				
7/13/2017			0.636 (U)			
7/14/2017					0.526 (U)	0.592 (U)
3/27/2018		0.779 (U)			1.34	0.551 (U)
3/28/2018			0.36 (U)			
6/12/2018					0.732 (U)	
6/14/2018		1.22 (U)	0.316 (U)			0.638 (U)
10/16/2018	0.881 (U)					
10/17/2018			0.326 (U)			0.555 (U)
10/18/2018		0.841 (U)			0.522 (U)	
2/25/2019					1.08	
2/27/2019						1.57
2/28/2019		1.88	1.04			
4/1/2019			0.328 (U)			
4/2/2019	0.64 (U)	1.21 (U)			1.73	0.71 (U)
9/23/2019	1.13					
9/25/2019		0.816 (U)	0.649 (U)			
9/26/2019					1.45	1.17 (U)
2/18/2020	0.373 (U)					
2/20/2020		1.47 (U)			1.22 (U)	
2/24/2020			0.455 (U)			1.17
3/19/2020	0.431 (U)		0.838 (U)		1.63	0.626 (U)
3/23/2020		1.69				
5/22/2020				1.82		
6/23/2020				1.05 (U)		
7/28/2020				1.71		
9/2/2020				0.0158 (U)		
9/23/2020	0.293 (U)					
9/24/2020		1.19 (U)			0.469 (U)	0.594 (U)
9/25/2020			0.818 (U)			

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
10/1/2020				1.19 (U)		
11/10/2020				0.675 (U)		
12/15/2020				1.26		
1/20/2021				0.701 (U)		
2/18/2021	0.232 (U)	1.52		1	0.721 (U)	0.723 (U)
2/19/2021			0.608 (U)			
3/24/2021			0.369 (U)	1.1 (U)	0.92 (U)	0.391 (U)
3/30/2021		1.51 (U)				
3/31/2021	0.301 (U)					
8/16/2021	0.813 (U)					
8/18/2021		1.26	0.19 (U)	0.721 (U)	1.05	
8/19/2021						0.742 (U)
2/9/2022	0.296 (U)			0.355 (U)		
2/11/2022		1.01 (U)	0.288 (U)		1.03	0.208 (U)
7/26/2022	1.15 (U)			0.659 (U)		
7/27/2022			0.705 (U)		0.917 (U)	0.138 (U)
7/28/2022		1.18 (U)				
Mean	0.546	1.237	0.5427	0.9428	0.9525	0.6408
Std. Dev.	0.3493	0.4758	0.3693	0.502	0.4585	0.3515
Upper Lim.	0.7035	1.443	0.741	1.316	1.199	0.8295
Lower Lim.	0.3247	0.9789	0.3445	0.5696	0.7064	0.4521

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	0.406	0.264 (U)	0.863 (U)	0.573	1.53	
6/9/2016						0.704
8/12/2016	1.39	1.18	1.74			
8/18/2016				0.44 (U)	2.47	1.88
10/7/2016	0.451 (U)	1.97				
10/10/2016			0.944 (U)	0.933 (U)	2.11	1.48
12/6/2016	0.516 (U)					
12/7/2016		1.31 (U)	2.29			2.61
12/8/2016				1.02 (U)	2.64	
2/16/2017	0.172 (U)	0.35 (U)				
2/17/2017			1.35 (U)	0.193 (U)	1.34	
2/20/2017						0.884 (U)
4/19/2017	0.704 (U)	0.974 (U)	1.48	0.488 (U)		0.948 (U)
4/20/2017					2.35	
6/1/2017	0.493 (U)	0.332 (U)	1.61	0.837 (U)		
6/5/2017					1.6	1.33
7/14/2017	0.547 (U)	1.27				
7/17/2017						1.04
7/18/2017				0.498 (U)		
7/19/2017			1.626		1.76	
3/27/2018	0.569 (U)	0.169 (U)				
3/28/2018			0.97 (U)	0.864 (U)		
3/29/2018					2.43	1.65
6/13/2018			0.686 (U)			0.983 (U)
6/14/2018	0.989 (U)			0.583 (U)	2.14	
6/15/2018		0.625 (U)				
10/18/2018	0.875 (U)					
10/19/2018		0.784 (U)		0.982 (U)		
10/22/2018			0.559 (U)		1.43	1.21
2/27/2019	1.12		1.24			
3/1/2019		0.989 (U)			3.32	2.24
4/2/2019	0.814 (U)					
4/3/2019		0.98 (U)	0.567 (U)	0.532 (U)	2.48	2.86
9/26/2019	0.973 (U)	1.16	0.662 (U)			
9/27/2019					2.83	2.28
9/30/2019				1.16 (U)		
2/24/2020	1.07	1.19	1.38			
2/25/2020					1.7	2.49
2/26/2020				1.08 (U)		
3/20/2020	2.59	0.89 (U)		1.08 (U)	3.6	
3/23/2020			1.27 (U)			1.68
9/24/2020	0.789 (U)			0.157 (U)	4.18	0.56 (U)
9/28/2020		1.11 (U)	1.07 (U)			
2/18/2021	0.62 (U)	1.05 (U)	0.87 (U)			
2/19/2021				1 (U)	2.63	1.17 (U)
3/24/2021	1.21 (U)					
3/26/2021		0.848 (U)				1.04 (U)
3/29/2021			1.49	0.471 (U)	4.1	
8/19/2021	0.858 (U)					
8/20/2021		0.731 (U)	1.42	0.277 (U)		
8/23/2021					3.25	1.2 (U)
2/14/2022						0.563 (U)

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
2/15/2022					1.94	
2/16/2022	0.708 (U)	0.349 (U)	0.322 (U)	0.49 (U)		
7/27/2022	0.737 (U)	0.964 (U)	1.53			
7/28/2022				0.424 (U)		
8/1/2022						2.28
8/2/2022					2.32	
Mean	0.8455	0.8859	1.179	0.6706	2.461	1.504
Std. Dev.	0.4851	0.4228	0.4728	0.3138	0.8172	0.6938
Upper Lim.	1.034	1.113	1.433	0.8437	2.9	1.876
Lower Lim.	0.5819	0.6589	0.9253	0.4975	2.023	1.131

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016		0.314 (U)				
6/9/2016	2.13					
8/15/2016		1.2				
8/18/2016	2.67					
10/10/2016	3.46	1.03 (U)				
12/7/2016	1.65					
12/8/2016		1.47 (U)				
1/23/2017			2.17			
2/7/2017			3			
2/20/2017	2.68	0.547 (U)				
4/17/2017			2.73			
4/19/2017	3.81					
4/20/2017		0.0595 (U)				
5/22/2017			3.15			
6/1/2017		0.67 (U)				
6/5/2017	2.86		0.86 (U)			
7/11/2017			1.87			
7/17/2017	2.87	1.25 (U)				
8/23/2017			3.39			
3/26/2018			1.61			
3/28/2018		0.507 (U)				
3/29/2018	2.79					
6/13/2018	2.19					
6/14/2018		0.721 (U)				
6/15/2018			0.815 (U)			
10/18/2018				0.96		
10/19/2018						2.28
10/22/2018	2.18	0.741 (U)	1.02 (U)		1.22 (U)	
3/1/2019	3.37	0.634 (U)	2.47			
4/2/2019			2.29			
4/3/2019	3.6					
4/4/2019		0.346 (U)		1.49		1.89
4/5/2019					2.2	
9/24/2019				1.68		3.98
9/26/2019					2.36	
9/27/2019			1.23 (U)			
9/30/2019	2.73	0.953 (U)				
2/26/2020	2.4	1.16	1.09 (U)	1.31		
2/27/2020					1.44	1.31
3/23/2020			1.42	2.39		
3/24/2020		0.899 (U)			1.25 (U)	2.56
3/25/2020	4.72					
9/25/2020	1.49		0.783 (U)		2.62	
9/28/2020		0.744 (U)		1.48		2.12
2/19/2021	1.07 (U)					2.23
2/22/2021				1.07 (U)		
2/23/2021		0.456 (U)			1.55	
3/8/2021			0.429 (U)			
3/25/2021			1.48			
3/26/2021	2.91	0.134 (U)				
3/29/2021				1.63		
3/30/2021					2.04	1.35 (U)

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
8/19/2021		0.908 (U)	1.63			
8/20/2021				1.82		
8/23/2021	1.77 (U)					
8/24/2021						2.39
8/25/2021					0.784 (U)	
2/14/2022			0.744 (U)			
2/15/2022	14.2 (U)					
2/16/2022		0.189 (U)		1.02	1.16 (U)	2.24
7/27/2022		1.09 (U)				
7/28/2022				0.684 (U)		2.74
7/29/2022					1.82	
8/1/2022			1.01 (U)			
8/2/2022	0.84 (U)					
Mean	3.109	0.7283	1.676	1.412	1.677	2.281
Std. Dev.	2.64	0.3869	0.878	0.4763	0.5753	0.7197
Upper Lim.	3.504	0.9359	2.16	1.809	2.156	2.881
Lower Lim.	1.927	0.5206	1.191	1.015	1.197	1.681

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018		1.24				
10/22/2018	1.54					
4/2/2019		2.81				
4/4/2019	2.37					
9/26/2019	3.09					
9/27/2019		1.66				
2/25/2020	4.16		2.87			
2/26/2020		1.76				
2/27/2020				5.89	1.03 (U)	
2/28/2020						0.649 (U)
3/23/2020		2.75				
3/24/2020			2.8	5.9	1.35	
3/25/2020	2.81					0.848 (U)
9/2/2020				5.91		
9/25/2020	2.15		3.29			
9/28/2020		1.59				
9/29/2020					1.71	0.441 (U)
2/22/2021	2.03		1.73		1.65	1.31 (U)
3/8/2021		2.09				
3/9/2021				3.34		
3/25/2021		2.43				
3/26/2021	2.4		3.15			
3/29/2021				3.54		
3/30/2021						0.826 (U)
3/31/2021					0.251 (U)	
8/19/2021				4.63		
8/20/2021	2.53		3.01			
8/23/2021		0.857 (U)				
8/24/2021					0.432 (U)	0.21 (U)
2/14/2022		1.43		4.6		
2/16/2022					0.799	0.473 (U)
2/17/2022	1.88		2.41			
7/28/2022	2.71		2.92			0.656 (U)
7/29/2022		1.47 (U)				
8/2/2022				3.64	0.93 (U)	
Mean	2.515	1.826	2.773	4.681	1.019	0.6766
Std. Dev.	0.7013	0.6253	0.4953	1.112	0.5313	0.3314
Upper Lim.	3.1	2.347	3.297	5.91	1.582	1.028
Lower Lim.	1.931	1.305	2.248	3.34	0.4558	0.3254

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D
9/2/2020	1.31 (U)					
9/3/2020		1.05 (U)	1.9	0.982 (U)		
2/18/2021				1.34		
2/22/2021	1.91	0.578 (U)				
3/8/2021			1.34			
3/29/2021			1.62 (U)			
3/31/2021	1			0.517 (U)		
4/1/2021		0.461 (U)				
4/19/2021					2.45	1.01 (U)
8/18/2021				0.886 (U)		0.99 (U)
8/20/2021		1.38				
8/23/2021			1.93			
8/24/2021	0.918 (U)				3.66	
2/9/2022				1.52		1.4
2/15/2022	0.765 (U)		0.96 (U)			
2/17/2022		0.51 (U)			2.41	
7/26/2022				0.818 (U)		1 (U)
7/28/2022		0.503 (U)				
7/29/2022	1.6					
8/1/2022			1.38		2.36	
Mean	1.251	0.747	1.522	1.011	2.72	1.1
Std. Dev.	0.4404	0.3791	0.371	0.3647	0.6277	0.2002
Upper Lim.	1.855	1.38	2.031	1.512	3.66	1.4
Lower Lim.	0.6455	0.461	1.012	0.5095	2.36	0.99

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016					0.488
6/7/2016				0.0507 (U)	
6/8/2016			0.854		
8/10/2016				0.862 (U)	
8/11/2016			1.24		0.639 (U)
10/4/2016				0.48 (U)	
10/5/2016					0.945 (U)
10/6/2016			2.43		
12/2/2016				0.219 (U)	
12/5/2016					2.2
12/6/2016			0.958 (U)		
2/14/2017				0.636 (U)	
2/15/2017			1.18		0.74 (U)
4/14/2017				0.13 (U)	
4/17/2017					0.764 (U)
4/18/2017			1.26		
5/26/2017				0.349 (U)	0.245 (U)
6/2/2017			1.24 (U)		
7/10/2017				0.565 (U)	
7/11/2017					0.502 (U)
7/14/2017			1.55		
3/26/2018				0.303 (U)	
3/27/2018			2.15		0.745 (U)
6/12/2018				0.494 (U)	0.319 (U)
6/13/2018			1.95		
10/16/2018				0.633 (U)	
10/17/2018					0.319 (U)
10/18/2018			1.1		
2/25/2019				1.03 (U)	
2/28/2019			1.38		
4/1/2019				0.474 (U)	0.225 (U)
4/2/2019			1.57		
9/24/2019			1.85	1.69	1.65
2/19/2020				1.02 (U)	
2/20/2020					0.921 (U)
2/21/2020			2.02		
3/18/2020				0.987 (U)	
3/19/2020			1.18 (U)		1.94
9/23/2020				0.25 (U)	
9/24/2020					0.9 (U)
9/25/2020			1.64		
1/28/2021	0.444 (U)	1.59			
2/16/2021				0.709 (U)	
2/17/2021					0.692 (U)
2/18/2021			1.09		
2/23/2021	0.589 (U)	0.567 (U)			
3/24/2021				0.808 (U)	0.554 (U)
3/30/2021	0.852 (U)	1.66 (U)	1.41 (U)		
8/18/2021				0.192 (U)	0.458 (U)
8/19/2021			0.952 (U)		
8/23/2021	0.558 (U)	0.785 (U)			
2/10/2022				0.813	0.86

Confidence Interval

Constituent: Combined Radium 226 + 228 (pCi/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	BGWC-7	BGWC-8	BGWC-9
2/11/2022			1.26		
2/14/2022	0.487 (U)	0.224 (U)			
7/26/2022				0.523 (U)	0.866 (U)
7/28/2022		1.02 (U)	1.22 (U)		
8/1/2022	0.642 (U)				
Mean	0.5953	0.9743	1.431	0.6008	0.8082
Std. Dev.	0.1443	0.5685	0.4198	0.3797	0.5265
Upper Lim.	0.7936	1.755	1.656	0.8046	1.017
Lower Lim.	0.3971	0.1934	1.206	0.397	0.5059

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.1					
6/7/2016		0.09 (J)	<0.1		<0.1	0.15 (J)
8/10/2016	0.04 (J)					
8/11/2016					0.12 (J)	0.3 (J)
8/12/2016			0.08 (J)			
8/16/2016		0.09 (J)				
10/4/2016	0.06 (J)					
10/6/2016			0.06 (J)			
10/7/2016		0.17 (J)			0.08 (J)	0.14 (J)
12/1/2016	0.09 (J)					
12/5/2016			0.12 (J)			
12/6/2016		0.16 (J)			0.24 (J)	0.19 (J)
2/14/2017	<0.1					
2/15/2017			0.33			
2/16/2017		0.38			0.31	0.51
4/13/2017	0.04 (J)					
4/18/2017		0.12 (J)	0.006 (J)		0.02 (J)	
4/19/2017						0.18 (J)
5/25/2017	0.02 (J)					
5/30/2017					0.51	0.15 (J)
6/2/2017		0.03 (J)	0.04 (J)			
7/7/2017	0.12 (J)					
7/12/2017		0.15 (J)				
7/13/2017			0.17 (J)			
7/14/2017					0.14 (J)	0.16 (J)
10/9/2017	<0.1					
10/10/2017			0.08 (J)			
10/11/2017		0.07 (J)			0.29 (J)	0.64
3/27/2018		<0.1			<0.1	0.33
3/28/2018			<0.1			
6/12/2018					0.061 (J)	
6/14/2018		0.046 (J)	<0.1			0.11 (J)
10/16/2018	<0.1					
10/17/2018			<0.1			<0.3
10/18/2018		<0.1			<0.1	
2/25/2019					0.13 (J)	
2/27/2019						0.26 (J)
2/28/2019		0.14 (J)	0.18 (J)			
4/1/2019			0.065 (J)			
4/2/2019	<0.1	0.044 (J)			0.23 (J)	0.14 (J)
9/23/2019	<0.1					
9/25/2019		0.075 (J)	0.13 (J)			
9/26/2019					<0.1	0.071 (J)
2/18/2020	<0.1					
2/20/2020		<0.1			<0.1	
2/24/2020			0.051 (J)			0.11 (J)
3/19/2020	<0.1		<0.1		0.052 (J)	0.12 (J)
3/23/2020		<0.1				
5/22/2020				0.065 (J)		
6/23/2020				<0.1		
7/28/2020				<0.1		
9/2/2020				0.061 (J)		

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
9/23/2020	<0.1					
9/24/2020		<0.1			0.059 (J)	0.12
9/25/2020			<0.1			
10/1/2020				<0.1		
11/10/2020				<0.1		
12/15/2020				0.052		
1/20/2021				<0.1		
2/18/2021	<0.1	<0.1		0.055 (J)	0.064 (J)	0.1
2/19/2021			<0.1			
3/24/2021			<0.1	<0.1	0.053 (J)	0.11
3/30/2021		<0.1				
3/31/2021	<0.1					
8/16/2021	<0.1					
8/18/2021		<0.1	<0.1	<0.1	<0.1	
8/19/2021						0.097 (J)
2/9/2022	<0.1			<0.1		
2/11/2022		<0.1	<0.1		0.056 (J)	0.1
7/26/2022	0.052 (J)			0.082 (J)		
7/27/2022			0.081 (J)		0.091 (J)	0.13
7/28/2022		0.064 (J)				
Mean	0.0861	0.11	0.104	0.08577	0.135	0.1899
Std. Dev.	0.02728	0.06845	0.06177	0.01993	0.1123	0.1388
Upper Lim.	0.1	0.1031	0.12	0.1	0.1576	0.2131
Lower Lim.	0.06	0.05459	0.08	0.055	0.06366	0.1207

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	0.1 (J)	<0.1	0.09 (J)	<0.1	0.43	
6/9/2016						0.12 (J)
8/12/2016	0.39	0.2 (J)	0.04 (J)			
8/18/2016				0.09 (J)	0.3 (J)	0.08 (J)
10/7/2016	0.16 (J)	0.07 (J)				
10/10/2016			0.06 (J)	0.04 (J)	0.32	0.09 (J)
12/6/2016	0.32					
12/7/2016		0.09 (J)	0.07 (J)			0.08 (J)
12/8/2016				0.08 (J)	0.26 (J)	
2/16/2017	0.38	0.6				
2/17/2017			0.06 (J)	0.08 (J)	0.39	
2/20/2017						0.09 (J)
4/19/2017	0.08 (J)	0.09 (J)	0.005 (J)	0.04 (J)		0.03 (J)
4/20/2017					0.34	
6/1/2017	0.09 (J)	0.05 (J)	0.65	0.03 (J)		
6/5/2017					0.29 (J)	<0.1
7/14/2017	0.06 (J)	0.08 (J)				
7/17/2017						0.09 (J)
7/18/2017			0.36	0.08 (J)		
7/19/2017					0.33	
10/11/2017	0.14 (J)	0.11 (J)	<0.1			0.09 (J)
10/12/2017				0.12 (J)	0.31	
3/27/2018	<0.1	<0.1				
3/28/2018			<0.1	<0.1		
3/29/2018					0.58	<0.1
6/13/2018			0.038 (J)			0.71
6/14/2018	0.095 (J)			<0.1	0.15 (J)	
6/15/2018		0.07 (J)				
10/18/2018	0.054 (J)					
10/19/2018		0.17 (J)		<0.1		
10/22/2018			<0.1		0.78	0.81
2/27/2019	<0.1		0.13 (J)			
3/1/2019		0.14 (J)			0.34	0.38
4/2/2019	0.044 (J)					
4/3/2019		0.051 (J)	0.072 (J)	0.032 (J)	0.23 (J)	0.1 (J)
5/2/2019					1.4	
9/26/2019	0.052 (J)	<0.1	<0.1			
9/27/2019					1	0.54
9/30/2019				0.066 (J)		
2/24/2020	<0.1	0.05 (J)	<0.1			
2/25/2020					0.24 (J)	0.066 (J)
2/26/2020				<0.1		
3/20/2020	<0.1	<0.1		<0.1	0.23 (J)	
3/23/2020			<0.1			0.056 (J)
9/24/2020	0.058 (J)			<0.1	0.24	0.062 (J)
9/28/2020		<0.1	<0.1			
2/18/2021	<0.1	<0.1	<0.1			
2/19/2021				<0.1	0.2	<0.1
3/24/2021	<0.1					
3/26/2021		0.053 (J)				0.054 (J)
3/29/2021			<0.1	<0.1	0.22	
7/19/2021					0.24	0.065 (J)

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
8/19/2021	<0.1					
8/20/2021		<0.1	<0.1	<0.1		
8/23/2021					0.23	<0.1
11/1/2021					0.25	0.068 (J)
2/14/2022						<0.1
2/15/2022					0.24	
2/16/2022	<0.1	<0.1	<0.1	<0.1		
7/27/2022	0.081 (J)	0.071 (J)	0.062 (J)			
7/28/2022				<0.1		
8/1/2022						0.07 (J)
8/2/2022					0.19	
Mean	0.1263	0.1172	0.119	0.08445	0.3742	0.166
Std. Dev.	0.09818	0.1113	0.1324	0.02606	0.2814	0.2097
Upper Lim.	0.14	0.11	0.13	0.1	0.34	0.1
Lower Lim.	0.08	0.07	0.062	0.066	0.23	0.068

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
6/8/2016		0.14 (J)				
6/9/2016	<0.1					
8/15/2016		0.08 (J)				
8/18/2016	0.24 (J)					
10/10/2016	0.3	0.1 (J)				
12/7/2016	0.05 (J)					
12/8/2016		0.06 (J)				
1/23/2017			0.06 (J)			
2/7/2017			0.09 (J)			
2/20/2017	0.65	0.16 (J)				
3/27/2017			0.09 (J)			
4/17/2017			0.36			
4/19/2017	0.21 (J)					
4/20/2017		0.02 (J)				
5/22/2017			0.05 (J)			
6/1/2017		0.04 (J)				
6/5/2017	0.05 (J)		0.32			
7/11/2017			0.13 (J)			
7/17/2017	2.5	0.07 (J)				
8/23/2017			0.17 (J)			
10/10/2017			0.35			
10/11/2017	1.8	0.11 (J)				
3/26/2018			0.75			
3/28/2018		<0.1				
3/29/2018	2					
6/13/2018	3.1					
6/14/2018		<0.1				
6/15/2018			0.51			
10/19/2018					<0.1	
10/22/2018	3.1	<0.1	0.44	0.65		0.91
3/1/2019	1	0.12 (J)	0.24 (J)			
4/2/2019			0.68			
4/3/2019	3					
4/4/2019		<0.1			0.035 (J)	0.26 (J)
4/5/2019				0.66		
5/3/2019				1.3		
9/24/2019					<0.1	
9/26/2019				0.15 (J)		0.11 (J)
9/27/2019			0.13 (J)			
9/30/2019	1.2	0.065 (J)				
11/15/2019				0.51		
2/25/2020						0.14 (J)
2/26/2020	0.064 (J)	<0.1	0.057 (J)			
2/27/2020				0.13 (J)	<0.1	
3/23/2020			0.054 (J)			
3/24/2020		<0.1		0.13 (J)	<0.1	
3/25/2020	0.056 (J)					0.17 (J)
9/25/2020	0.054 (J)		<0.1	0.097 (J)		0.17
9/28/2020		<0.1			<0.1	
2/19/2021	0.14				<0.1	
2/22/2021						0.21
2/23/2021		<0.1		0.13		

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-32	BGWC-34D	BGWC-35D
3/8/2021			<0.1			
3/25/2021			<0.1			
3/26/2021	0.095 (J)	<0.1				0.13
3/30/2021				0.14	<0.1	
7/19/2021	0.13					
7/20/2021			<0.1			
8/19/2021		<0.1	<0.1			
8/20/2021						0.22
8/23/2021	0.12					
8/24/2021					<0.1	
8/25/2021				0.15		
11/1/2021	0.15		0.055 (J)			
2/14/2022			0.075 (J)			
2/15/2022	<0.1					
2/16/2022		<0.1		0.13	<0.1	
2/17/2022						0.21
7/27/2022		0.051 (J)				
7/28/2022					0.053 (J)	0.23
7/29/2022				0.16		
8/1/2022			0.09 (J)			
8/2/2022	0.097 (J)					
10/21/2022	0.14 (R)					
Mean	0.7825	0.092	0.208	0.3336	0.08982	0.2509
Std. Dev.	1.077	0.03071	0.2007	0.3569	0.02301	0.2234
Upper Lim.	1.2	0.09163	0.1936	0.66	0.1	0.26
Lower Lim.	0.064	0.05483	0.07687	0.13	0.053	0.13

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D
10/17/2018	<0.3					
4/2/2019	0.44					
9/27/2019	0.26 (J)					
12/13/2019				0.16 (J)		
12/16/2019					0.13 (J)	
2/25/2020		0.57				
2/26/2020	0.13 (J)					
2/27/2020			0.55	0.071 (J)		
2/28/2020					0.062 (J)	
3/23/2020	0.13 (J)					
3/24/2020		0.43	0.61	0.06 (J)		
3/25/2020					<0.1	
5/4/2020						<0.1
9/2/2020			0.47			0.088 (J)
9/25/2020		0.34				
9/28/2020	0.1					
9/29/2020				<0.1	<0.1	
2/22/2021		0.3		0.095 (J)	<0.1	0.099 (J)
3/8/2021	0.14					
3/9/2021			0.67			
3/25/2021	0.12					
3/26/2021		0.27				
3/29/2021			0.73			
3/30/2021					0.06 (J)	
3/31/2021				0.08 (J)		0.077 (J)
8/19/2021			0.4			
8/20/2021		0.18				
8/23/2021	0.11					
8/24/2021				0.18	0.076 (J)	0.11
11/1/2021			0.32			
2/14/2022	0.12		0.34			
2/15/2022						0.07 (J)
2/16/2022				0.11	0.068 (J)	
2/17/2022		0.16				
7/28/2022		0.19			0.092 (J)	
7/29/2022	0.14					0.1
8/2/2022			0.46	0.12		
Mean	0.1673	0.305	0.5056	0.1029	0.08756	0.08486
Std. Dev.	0.09991	0.1405	0.1443	0.04443	0.02295	0.02069
Upper Lim.	0.26	0.4539	0.6449	0.1458	0.09873	0.1094
Lower Lim.	0.11	0.1561	0.3662	0.05999	0.05745	0.06028

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51
5/4/2020		0.93	<0.1			
5/11/2020	0.34					
5/20/2020	0.4	0.78				
9/3/2020	0.5	0.87	<0.1			
1/28/2021						0.17
2/18/2021			0.16			
2/22/2021	0.69					
2/23/2021						0.087 (J)
3/8/2021		0.9				
3/29/2021		1				
3/30/2021						0.11
3/31/2021			0.088 (J)			
4/1/2021	0.72					
4/19/2021				0.055 (J)	0.078 (J)	
7/20/2021		1.2				
8/18/2021			<0.1		<0.1	
8/20/2021	0.56					
8/23/2021		1.2				0.084 (J)
8/24/2021				<0.1		
2/9/2022			0.11		0.08 (J)	
2/14/2022						0.13
2/15/2022		0.89				
2/17/2022	0.61			<0.1		
7/26/2022			<0.1		0.12	
7/28/2022	0.55					
8/1/2022		0.86		0.087 (J)		0.16
Mean	0.5463	0.9589	0.1083	0.0855	0.0945	0.1235
Std. Dev.	0.1316	0.1486	0.02368	0.02124	0.01969	0.03636
Upper Lim.	0.6857	1.099	0.16	0.1073	0.1296	0.1735
Lower Lim.	0.4068	0.8194	0.088	0.03467	0.0489	0.07355

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016				0.12 (J)
6/7/2016			<0.1	
6/8/2016		0.19 (J)		
8/10/2016			0.07 (J)	
8/11/2016		0.15 (J)		0.27 (J)
10/4/2016			0.07 (J)	
10/5/2016				0.12 (J)
10/6/2016		0.17 (J)		
12/2/2016			0.09 (J)	
12/5/2016				0.26 (J)
12/6/2016		0.22 (J)		
2/14/2017			0.02 (J)	
2/15/2017		0.18 (J)		0.46
4/14/2017			0.02 (J)	
4/17/2017				0.14 (J)
4/18/2017		0.11 (J)		
5/26/2017			0.02 (J)	0.13 (J)
6/2/2017		0.07 (J)		
7/10/2017			0.03 (J)	
7/11/2017				0.2 (J)
7/14/2017		0.23 (J)		
10/10/2017			<0.1	0.61
10/11/2017		0.1 (J)		
3/26/2018			<0.1	
3/27/2018		<0.3		0.36
6/12/2018			0.061 (J)	0.13 (J)
6/13/2018		0.25 (J)		
10/16/2018			<0.1	
10/17/2018				0.13 (J)
10/18/2018		0.047 (J)		
2/25/2019			<0.1	
2/28/2019		0.23 (J)		
4/1/2019			<0.1	0.33
4/2/2019		0.22 (J)		
9/24/2019		0.12 (J)	<0.1	0.096 (J)
2/19/2020			<0.1	
2/20/2020				0.063 (J)
2/21/2020		0.12 (J)		
3/18/2020			<0.1	
3/19/2020		0.12 (J)		0.074 (J)
9/23/2020			<0.1	
9/24/2020				0.091 (J)
9/25/2020		0.11		
1/28/2021	0.1			
2/16/2021			<0.1	
2/17/2021				0.086 (J)
2/18/2021		0.13		
2/23/2021	0.073 (J)			
3/24/2021			<0.1	0.075 (J)
3/30/2021	0.12	0.18		
8/18/2021			<0.1	0.073 (J)
8/19/2021		0.12		

Confidence Interval

Constituent: Fluoride (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
8/23/2021	0.093 (J)			
2/10/2022			<0.1	0.071 (J)
2/11/2022		0.12		
2/14/2022	0.1			
7/26/2022			0.067 (J)	0.11
7/28/2022	0.14	0.16		
Mean	0.1043	0.152	0.08035	0.1818
Std. Dev.	0.02309	0.05394	0.02994	0.1443
Upper Lim.	0.1361	0.1803	0.1	0.2054
Lower Lim.	0.07262	0.1238	0.067	0.1011

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.001					
6/7/2016		<0.001	<0.001		<0.001	<0.001
8/10/2016	<0.001					
8/11/2016					<0.001	<0.001
8/12/2016			0.0001 (J)			
8/16/2016		<0.001				
10/4/2016	<0.001					
10/6/2016			0.0002 (J)			
10/7/2016		<0.001			<0.001	<0.001
12/1/2016	<0.001					
12/5/2016			0.0003 (J)			
12/6/2016		<0.001			<0.001	<0.001
2/14/2017	<0.001					
2/15/2017			<0.001			
2/16/2017		<0.001			<0.001	<0.001
4/13/2017	<0.001					
4/18/2017		<0.001	<0.001		<0.001	
4/19/2017						<0.001
5/25/2017	<0.001					
5/30/2017					0.0001 (J)	<0.001
6/2/2017		<0.001	0.0001 (J)			
7/7/2017	<0.001					
7/12/2017		<0.001				
7/13/2017			0.0001 (J)			
7/14/2017					0.0002 (J)	<0.001
3/27/2018		<0.001			<0.001	<0.001
3/28/2018			<0.001			
2/25/2019					<0.001	
2/27/2019						<0.001
2/28/2019		<0.001	<0.001			
4/1/2019			<0.001			
4/2/2019	7E-05 (J)	<0.001			<0.001	<0.001
9/23/2019	<0.001					
9/25/2019		0.00019 (J)	0.00063 (J)			
9/26/2019					0.00034 (J)	<0.001
2/18/2020	<0.001					
2/20/2020		0.00014 (J)			0.00014 (J)	
2/24/2020			<0.001			7.9E-05 (J)
3/19/2020	<0.001		<0.001		0.00013 (J)	<0.001
3/23/2020		<0.001				
5/22/2020				7.3E-05 (J)		
6/23/2020				<0.001		
7/28/2020				<0.001		
9/2/2020				<0.001		
9/23/2020	6.4E-05 (J)					
9/24/2020		<0.001			0.00021 (J)	<0.001
9/25/2020			<0.001			
10/1/2020				6.2E-05 (J)		
11/10/2020				0.00011 (J)		
12/15/2020				5.6E-05 (J)		
1/20/2021				<0.001		
2/18/2021	5.7E-05 (J)	<0.001		<0.001	0.00013 (J)	<0.001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2021			8.7E-05 (J)			
3/24/2021			0.00013 (J)	<0.001	8E-05 (J)	<0.001
3/30/2021		<0.001				
3/31/2021	0.00016 (J)					
8/16/2021	<0.001					
8/18/2021		<0.001	<0.001	<0.001	<0.001	
8/19/2021						<0.001
2/9/2022	<0.001			<0.001		
2/11/2022		<0.001	<0.001		<0.001	<0.001
7/26/2022	<0.001			<0.001		
7/27/2022			<0.001		<0.001	<0.001
7/28/2022		<0.001				
Mean	0.0007973	0.0009165	0.0006824	0.0007155	0.0006665	0.000954
Std. Dev.	0.0003908	0.0002571	0.0004148	0.0004444	0.0004221	0.0002059
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.00016	0.00019	0.00013	6.2E-05	0.00014	7.9E-05

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
6/8/2016	<0.001	<0.001	<0.001	<0.001	<0.001	
6/9/2016						<0.001
8/12/2016	0.0001 (J)	<0.001	<0.001			
8/18/2016				<0.001	<0.001	<0.001
10/7/2016	<0.001	<0.001				
10/10/2016			<0.001	<0.001	<0.001	<0.001
12/6/2016	0.0001 (J)					
12/7/2016		<0.001	<0.001			<0.001
12/8/2016				<0.001	<0.001	
2/16/2017	0.0002 (J)	<0.001				
2/17/2017			<0.001	<0.001	<0.001	
2/20/2017						<0.001
4/19/2017	0.0001 (J)	0.0006 (J)	<0.001	<0.001		<0.001
4/20/2017					<0.001	
6/1/2017	9E-05 (J)	<0.001	0.0001 (J)	<0.001		
6/5/2017					<0.001	<0.001
7/14/2017	0.0001 (J)	<0.001				
7/17/2017						<0.001
7/18/2017			<0.001	<0.001		
7/19/2017					<0.001	
3/27/2018	<0.001	<0.001				
3/28/2018			<0.001	<0.001		
3/29/2018					<0.001	<0.001
2/27/2019	<0.001		<0.001			
3/1/2019		<0.001			0.00033 (J)	<0.001
4/2/2019	8.1E-05 (J)					
4/3/2019		<0.001	<0.001	6.8E-05 (J)	<0.001	<0.001
9/26/2019	<0.001	<0.001	<0.001			
9/27/2019					5.4E-05 (J)	<0.001
9/30/2019				7.3E-05 (J)		
2/24/2020	<0.001	<0.001	<0.001			
2/25/2020					<0.001	<0.001
2/26/2020				5.3E-05 (J)		
3/20/2020	<0.001	<0.001		6E-05 (J)	<0.001	
3/23/2020			<0.001			<0.001
9/24/2020	<0.001			5E-05 (J)	0.00014 (J)	0.00014 (J)
9/28/2020		3.8E-05 (J)	8.3E-05 (J)			
2/18/2021	<0.001	<0.001	<0.001			
2/19/2021				8.7E-05 (J)	0.00011 (J)	<0.001
3/24/2021	<0.001					
3/26/2021		<0.001				0.00031 (J)
3/29/2021			<0.001	9.4E-05 (J)	6.1E-05 (J)	
8/19/2021	<0.001					
8/20/2021		<0.001	<0.001	<0.001		
8/23/2021					<0.001	<0.001
2/14/2022						<0.001
2/15/2022					<0.001	
2/16/2022	<0.001	<0.001	<0.001	<0.001		
7/27/2022	<0.001	<0.001	<0.001			
7/28/2022				<0.001		
8/1/2022						<0.001
8/2/2022					<0.001	

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23
Mean	0.0006886	0.0009319	0.0009092	0.0006571	0.0007848	0.0009225
Std. Dev.	0.000436	0.0002286	0.0002796	0.0004614	0.000386	0.0002401
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0001	0.0006	0.0001	6.8E-05	0.00033	0.00031

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
6/8/2016		<0.001				
6/9/2016	0.00059 (J)					
8/15/2016		0.0005 (J)				
8/18/2016	<0.001					
10/10/2016	<0.001	<0.001				
12/7/2016	<0.001					
12/8/2016		0.0006 (J)				
1/23/2017			0.0003 (J)			
2/7/2017			0.0002 (J)			
2/20/2017	<0.001	0.0004 (J)				
3/27/2017			8E-05 (J)			
4/17/2017			<0.001			
4/19/2017	<0.001					
4/20/2017		0.0002 (J)				
5/22/2017			<0.001			
6/1/2017		7E-05 (J)				
6/5/2017	7E-05 (J)		<0.001			
7/11/2017			8E-05 (J)			
7/17/2017	<0.001	<0.001				
8/23/2017			<0.001			
3/26/2018			<0.001			
3/28/2018		<0.001				
3/29/2018	<0.001					
3/1/2019	<0.001	<0.001	<0.001			
4/2/2019			<0.001			
4/3/2019	<0.001					
4/4/2019		<0.001		0.00065 (J)		5.4E-05 (J)
4/5/2019				<0.001		
9/24/2019				0.0004 (J)		<0.001
9/26/2019				<0.001		
9/27/2019			0.00018 (J)			
9/30/2019	<0.001	<0.001				
2/26/2020	<0.001	<0.001	0.00035 (J)	7.6E-05 (J)		
2/27/2020					<0.001	<0.001
3/23/2020			0.00011 (J)	0.00028 (J)		
3/24/2020		<0.001			<0.001	<0.001
3/25/2020	5.4E-05 (J)					
9/25/2020	0.0001 (J)		0.00016 (J)		0.00011 (J)	
9/28/2020		5.1E-05 (J)		0.0013 (J)		<0.001
2/19/2021	4.3E-05 (J)					<0.001
2/22/2021				0.00045 (J)		
2/23/2021		7.4E-05 (J)			7.2E-05 (J)	
3/8/2021			0.00018 (J)			
3/25/2021			0.00015 (J)			
3/26/2021	7.1E-05 (J)	0.00013 (J)				
3/29/2021				0.00061 (J)		
3/30/2021					<0.001	<0.001
8/19/2021		<0.001	<0.001			
8/20/2021				<0.001		
8/23/2021	<0.001					
8/24/2021						<0.001
8/25/2021					<0.001	

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-24	BGWC-25	BGWC-30	BGWC-31	BGWC-32	BGWC-34D
2/14/2022			<0.001			
2/15/2022	<0.001					
2/16/2022		<0.001		<0.001	<0.001	<0.001
7/27/2022		<0.001				
7/28/2022				<0.001		<0.001
7/29/2022					<0.001	
8/1/2022			<0.001			
8/2/2022	<0.001					
10/21/2022	<0.001 (R)					
Mean	0.0007585	0.0007013	0.0005895	0.0006766	0.0008182	0.0009054
Std. Dev.	0.0004057	0.0003977	0.0004255	0.0003878	0.0003834	0.0002992
Upper Lim.	0.001	0.001	0.001	0.0007894	0.001	0.001
Lower Lim.	0.0001	0.0002	0.00016	0.0002104	0.00011	0.001

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
4/2/2019		0.00067 (J)				
4/4/2019	0.00023 (J)					
9/26/2019	6.9E-05 (J)					
9/27/2019		0.0005 (J)				
2/25/2020	0.00025 (J)		0.00011 (J)			
2/26/2020		0.00033 (J)				
2/27/2020				0.00025 (J)	<0.001	
2/28/2020						0.00014 (J)
3/23/2020		0.00014 (J)				
3/24/2020			7.3E-05 (J)	0.00016 (J)	0.0001 (J)	
3/25/2020	0.00018 (J)					0.00017 (J)
9/2/2020				0.00022 (J)		
9/25/2020	0.00037 (J)		0.00029 (J)			
9/28/2020		0.00017 (J)				
9/29/2020					<0.001	0.00024 (J)
2/22/2021	0.00011 (J)		8.2E-05 (J)		<0.001	0.00014 (J)
3/8/2021		0.00011 (J)				
3/9/2021				<0.001		
3/25/2021		<0.001				
3/26/2021	<0.001		<0.001			
3/29/2021				<0.001		
3/30/2021						0.00018 (J)
3/31/2021					<0.001	
8/19/2021				<0.001		
8/20/2021	<0.001		<0.001			
8/23/2021		<0.001				
8/24/2021					<0.001	<0.001
2/14/2022		<0.001		<0.001		
2/16/2022					<0.001	<0.001
2/17/2022	<0.001		<0.001			
7/28/2022	<0.001		<0.001			<0.001
7/29/2022		<0.001				
8/2/2022				<0.001	<0.001	
Mean	0.0005209	0.000592	0.0005694	0.0007038	0.0008875	0.0004838
Std. Dev.	0.0004201	0.0003893	0.0004652	0.0004096	0.0003182	0.0004286
Upper Lim.	0.0002864	0.001	0.001	0.001	0.001	0.001
Lower Lim.	0.0001099	0.00014	7.3E-05	0.00016	0.0001	0.00014

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D
9/2/2020	<0.001					
9/3/2020		<0.001	0.00012 (J)	<0.001		
2/18/2021				0.00017 (J)		
2/22/2021	<0.001	4.1E-05 (J)				
3/8/2021			<0.001			
3/29/2021			<0.001			
3/31/2021	3.6E-05 (J)			<0.001		
4/1/2021		4.4E-05 (J)				
4/19/2021					4.4E-05 (J)	0.00014 (J)
8/18/2021				<0.001		<0.001
8/20/2021		<0.001				
8/23/2021			<0.001			
8/24/2021	<0.001				<0.001	
2/9/2022				<0.001		<0.001
2/15/2022	<0.001		<0.001			
2/17/2022		<0.001			<0.001	
7/26/2022				<0.001		<0.001
7/28/2022		<0.001				
7/29/2022	<0.001					
8/1/2022			<0.001		<0.001	
Mean	0.0008393	0.0006808	0.0008533	0.0008617	0.000761	0.000785
Std. Dev.	0.0003936	0.0004945	0.0003593	0.0003388	0.000478	0.00043
Upper Lim.	0.001	0.001	0.001	0.001	0.001	0.001
Lower Lim.	3.6E-05	4.1E-05	0.00012	0.00017	4.4E-05	0.00014

Confidence Interval

Constituent: Lead (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51	BGWC-52	BGWC-8	BGWC-9
6/6/2016				<0.001
6/7/2016			<0.001	
8/10/2016			<0.001	
8/11/2016				<0.001
10/4/2016			<0.001	
10/5/2016				0.0005 (J)
12/2/2016			<0.001	
12/5/2016				0.0002 (J)
2/14/2017			<0.001	
2/15/2017				<0.001
4/14/2017			<0.001	
4/17/2017				0.0001 (J)
5/26/2017			0.0003 (J)	0.0001 (J)
7/10/2017			<0.001	
7/11/2017				<0.001
3/26/2018			<0.001	
3/27/2018				<0.001
2/25/2019			<0.001	
4/1/2019			<0.001	9.2E-05 (J)
9/24/2019			<0.001	5.6E-05 (J)
2/19/2020			0.00014 (J)	
2/20/2020				8.2E-05 (J)
3/18/2020			<0.001	
3/19/2020				6.3E-05 (J)
9/23/2020			<0.001	
9/24/2020				<0.001
1/28/2021	0.00016 (J)	5.4E-05 (J)		
2/16/2021			0.0001 (J)	
2/17/2021				7.5E-05 (J)
2/23/2021	0.00015 (J)	0.0001 (J)		
3/24/2021			0.00015 (J)	<0.001
3/30/2021	0.00022 (J)	0.00011 (J)		
8/18/2021			<0.001	<0.001
8/23/2021	<0.001	<0.001		
2/10/2022			<0.001	<0.001
2/14/2022	<0.001	<0.001		
7/26/2022			<0.001	<0.001
7/28/2022		<0.001		
8/1/2022	<0.001			
Mean	0.0005883	0.000544	0.0008345	0.0005931
Std. Dev.	0.0004516	0.0004999	0.0003414	0.0004506
Upper Lim.	0.001	0.001	0.001	0.001
Lower Lim.	0.00015	5.4E-05	0.0003	8.2E-05

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	<0.03					
6/7/2016		0.0065	<0.05		<0.03	<0.03
8/10/2016	<0.03					
8/11/2016					<0.03	<0.03
8/12/2016			<0.05			
8/16/2016		<0.03				
10/4/2016	<0.03					
10/6/2016			<0.05			
10/7/2016		<0.03			<0.03	<0.03
12/1/2016	<0.03					
12/5/2016			<0.05			
12/6/2016		<0.03			<0.03	<0.03
2/14/2017	<0.03					
2/15/2017			<0.05			
2/16/2017		<0.03			<0.03	<0.03
4/13/2017	<0.03					
4/18/2017		0.0011 (J)	<0.05		<0.03	
4/19/2017						<0.03
5/25/2017	<0.03					
5/30/2017					<0.03	<0.03
6/2/2017		0.0011 (J)	<0.05			
7/7/2017	<0.03					
7/12/2017		<0.03				
7/13/2017			<0.05			
7/14/2017					<0.03	<0.03
3/27/2018		0.0025 (J)			<0.03	<0.03
3/28/2018			<0.05			
6/12/2018					<0.03	
6/14/2018		0.0011 (J)	<0.05			<0.03
10/16/2018	<0.03					
10/17/2018			<0.05			<0.03
10/18/2018		0.0016 (J)			<0.03	
2/25/2019					<0.03	
2/27/2019						<0.03
2/28/2019		0.0017 (J)	0.0011 (J)			
4/1/2019			0.00078 (J)			
4/2/2019	<0.03	0.0012 (J)			0.00049 (J)	0.00069 (J)
9/23/2019	<0.03					
9/25/2019		<0.03	0.001 (J)			
9/26/2019					<0.03	<0.03
2/18/2020	<0.03					
2/20/2020		0.00093 (J)			<0.03	
2/24/2020			0.00091 (J)			<0.03
3/19/2020	<0.03		0.00097 (J)		<0.03	<0.03
3/23/2020		0.00084 (J)				
5/22/2020				<0.03		
6/23/2020				<0.03		
7/28/2020				<0.03		
9/2/2020				0.00095 (J)		
9/23/2020	<0.03					
9/24/2020		0.0013 (J)			<0.03	<0.03
9/25/2020			0.001 (J)			

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
10/1/2020				0.00095 (J)		
11/10/2020				<0.03		
12/15/2020				0.00091		
1/20/2021				0.00082 (J)		
2/18/2021	<0.03	0.0011 (J)		<0.03	<0.03	<0.03
2/19/2021			0.0011 (J)			
3/24/2021			0.0012 (J)	<0.03	<0.03	<0.03
3/30/2021		0.00092 (J)				
3/31/2021	0.00082 (J)					
8/16/2021	<0.03					
8/18/2021		<0.03	0.0013 (J)	0.00087 (J)	<0.03	
8/19/2021						<0.03
2/9/2022	<0.03			<0.03		
2/11/2022		0.00079 (J)	0.0011 (J)		<0.03	<0.03
7/26/2022	<0.03			0.0011 (J)		
7/27/2022			0.0014 (J)		<0.03	<0.03
7/28/2022		0.00076 (J)				
Mean	0.02846	0.01061	0.02554	0.01658	0.02866	0.02867
Std. Dev.	0.006694	0.01361	0.02504	0.01508	0.006292	0.006249
Upper Lim.	0.03	0.03	0.05	0.03	0.03	0.03
Lower Lim.	0.00082	0.00093	0.001	0.00087	0.00049	0.00069

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-34D
6/8/2016	0.016	0.012				
6/9/2016			0.0074	0.0057		
8/12/2016	0.0202 (J)					
8/18/2016		0.0118 (J)	0.0078 (J)	0.0061 (J)		
10/10/2016	0.0194 (J)	0.0137 (J)	0.0093 (J)	0.006 (J)		
12/7/2016	0.0265 (J)		0.0117 (J)	0.0066 (J)		
12/8/2016		0.0154 (J)				
1/23/2017					0.0171 (J)	
2/7/2017					0.0196 (J)	
2/17/2017	0.0253 (J)	0.0125 (J)				
2/20/2017			0.011 (J)	0.0053 (J)		
3/27/2017					0.0192 (J)	
4/17/2017					0.0169 (J)	
4/19/2017	0.0233 (J)		0.0105 (J)	0.0055 (J)		
4/20/2017		0.012 (J)				
5/22/2017					0.0167 (J)	
6/1/2017	0.023 (J)					
6/5/2017		0.0114 (J)	0.0108 (J)	0.0068 (J)	0.0177 (J)	
7/11/2017					0.0203 (J)	
7/17/2017			0.0095 (J)	<0.03		
7/18/2017	0.0207 (J)					
7/19/2017		0.0126 (J)				
8/23/2017					0.0182 (J)	
3/26/2018					0.0063 (J)	
3/28/2018	0.013 (J)					
3/29/2018		0.021 (J)	0.014 (J)	0.0053 (J)		
6/13/2018	0.02 (J)		0.014 (J)	0.0067 (J)		
6/14/2018		0.024 (J)				
6/15/2018					0.0049 (J)	
10/19/2018						0.00098 (J)
10/22/2018	0.016 (J)	0.034 (J)	0.016 (J)	0.0075 (J)	0.005 (J)	
2/27/2019	0.015 (J)					
3/1/2019		0.022 (J)	0.017 (J)	0.0068 (J)	0.0044 (J)	
4/2/2019					0.0041 (J)	
4/3/2019	0.012 (J)	0.024 (J)	0.013 (J)	0.0048 (J)		
4/4/2019						0.00068 (J)
9/24/2019						<0.03
9/26/2019	0.018 (J)					
9/27/2019		0.039	0.024 (J)		0.0012 (J)	
9/30/2019				0.0077 (J)		
2/24/2020	0.021 (J)					
2/25/2020		0.026 (J)	0.033			
2/26/2020				0.0082 (J)	0.00096 (J)	
2/27/2020						<0.03
3/20/2020		0.029 (J)				
3/23/2020	0.02 (J)		0.032		0.0014 (J)	
3/24/2020						<0.03
3/25/2020				0.0078 (J)		
9/24/2020		0.043	0.031			
9/25/2020				0.0078 (J)	0.0011 (J)	
9/28/2020	0.027 (J)					<0.03
2/18/2021	0.041					

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Constituent: Lithium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30	BGWC-34D
2/19/2021		0.035	0.04	0.0086 (J)		<0.03
3/8/2021					0.0012 (J)	
3/25/2021					<0.03	
3/26/2021			0.039 (J)	<0.03		
3/29/2021	0.036	0.033				
3/30/2021						<0.03
8/19/2021					0.0012 (J)	
8/20/2021	0.025 (J)					
8/23/2021		0.028 (J)	0.029 (J)	0.0076 (J)		
8/24/2021						<0.03
2/14/2022			0.033		0.0015 (J)	
2/15/2022		0.032 (J)		0.0086 (J)		
2/16/2022	0.031					<0.03
7/27/2022	0.037					
7/28/2022						<0.03
8/1/2022			0.029 (J)		0.0012 (J)	
8/2/2022		0.03 (J)		<0.03		
10/21/2022				0.0057 (J)		
Mean	0.02302	0.0237	0.02009	0.00783	0.008871	0.0247
Std. Dev.	0.007705	0.009957	0.01101	0.003041	0.007859	0.0118
Upper Lim.	0.02715	0.02904	0.02475	0.0082	0.0171	0.03
Lower Lim.	0.01888	0.01836	0.01345	0.0057	0.0012	0.00098

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40
10/17/2018		0.0044 (J)				
10/22/2018	0.011 (J)					
4/2/2019		0.0021 (J)				
4/4/2019	0.0096 (J)					
9/26/2019	0.013					
9/27/2019		0.0028 (J)				
2/25/2020	0.011 (J)		0.044			
2/26/2020		0.001 (J)				
2/27/2020				0.02 (J)	0.0036 (J)	
2/28/2020						0.00084 (J)
3/23/2020		<0.03				
3/24/2020			0.025 (J)	0.019 (J)	0.0029 (J)	
3/25/2020	0.0092 (J)					0.00079 (J)
9/2/2020				0.0096 (J)		
9/25/2020	0.0062 (J)		0.014 (J)			
9/28/2020		0.0011 (J)				
9/29/2020					0.0066 (J)	<0.03
2/22/2021	0.014 (J)		0.0092 (J)		0.0038 (J)	<0.03
3/8/2021		0.0017 (J)				
3/9/2021				0.011 (J)		
3/25/2021		0.0022 (J)				
3/26/2021	0.02 (J)		0.0066 (J)			
3/29/2021				0.012 (J)		
3/30/2021						0.00086 (J)
3/31/2021					0.0039 (J)	
8/19/2021				0.0066 (J)		
8/20/2021	0.016 (J)		0.004 (J)			
8/23/2021		0.0022 (J)				
8/24/2021					0.0056 (J)	0.001 (J)
2/14/2022		0.002 (J)		0.0061 (J)		
2/16/2022					0.0042 (J)	<0.15 (o)
2/17/2022	0.018 (J)		<0.15 (o)			
7/28/2022	0.016 (J)		0.0026 (J)			<0.03
7/29/2022		0.0012 (J)				
8/2/2022				0.009 (J)	0.0038 (J)	
Mean	0.01309	0.003245	0.01506	0.01166	0.0043	0.01336
Std. Dev.	0.004161	0.004012	0.01484	0.005235	0.001201	0.01557
Upper Lim.	0.01656	0.0044	0.03167	0.01721	0.005573	0.03
Lower Lim.	0.009623	0.0011	0.001954	0.006114	0.003027	0.00079

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-51
9/2/2020	0.00092 (J)					
9/3/2020		0.0014 (J)	0.023 (J)	0.0016 (J)		
1/28/2021						0.0017 (J)
2/18/2021				0.0035 (J)		
2/22/2021	0.0017 (J)	<0.03				
2/23/2021						0.0015 (J)
3/8/2021			0.024 (J)			
3/29/2021			0.026 (J)			
3/30/2021						0.0035 (J)
3/31/2021	0.0017 (J)			0.0029 (J)		
4/1/2021		0.0022 (J)				
4/19/2021					0.0083 (J)	
8/18/2021				0.0027 (J)		
8/20/2021		0.0012 (J)				
8/23/2021			0.031			0.0011 (J)
8/24/2021	0.0024 (J)				0.01 (J)	
2/9/2022				0.0036 (J)		
2/14/2022						<0.03
2/15/2022	0.002 (J)		0.027 (J)			
2/17/2022		<0.15 (o)			0.0076 (J)	
7/26/2022				0.0037 (J)		
7/28/2022		0.0016 (J)				
7/29/2022	0.0018 (J)					
8/1/2022			0.025 (J)		0.0057 (J)	<0.03
Mean	0.001753	0.00728	0.026	0.003	0.0079	0.0113
Std. Dev.	0.0004861	0.01271	0.002828	0.000795	0.00178	0.01451
Upper Lim.	0.002421	0.03	0.02989	0.004092	0.01194	0.03
Lower Lim.	0.001086	0.0012	0.02211	0.001908	0.00386	0.0011

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016				<0.05
6/7/2016			<0.03	
6/8/2016		0.0079		
8/10/2016			<0.03	
8/11/2016		0.0093 (J)		<0.05
10/4/2016			<0.03	
10/5/2016				<0.05
10/6/2016		0.0102 (J)		
12/2/2016			<0.03	
12/5/2016				<0.05
12/6/2016		0.0094 (J)		
2/14/2017			<0.03	
2/15/2017		<0.05		<0.05
4/14/2017			<0.03	
4/17/2017				0.0013 (J)
4/18/2017		0.0086 (J)		
5/26/2017			<0.03	0.0013 (J)
6/2/2017		0.0102 (J)		
7/10/2017			<0.03	
7/11/2017				<0.05
7/14/2017		0.0092 (J)		
3/26/2018			<0.03	
3/27/2018		0.0087 (J)		0.0014 (J)
6/12/2018			<0.03	0.0012 (J)
6/13/2018		0.0084 (J)		
10/16/2018			0.001 (J)	
10/17/2018				<0.05
10/18/2018		0.0083 (J)		
2/25/2019			<0.03	
2/28/2019		0.0086 (J)		
4/1/2019			<0.03	0.0012 (J)
4/2/2019		0.0073 (J)		
9/24/2019		0.0083 (J)	<0.03	0.0011 (J)
2/19/2020			<0.03	
2/20/2020				0.002 (J)
2/21/2020		0.0088 (J)		
3/18/2020			<0.03	
3/19/2020		0.0097 (J)		0.0019 (J)
9/23/2020			<0.03	
9/24/2020				0.0011 (J)
9/25/2020		0.0065 (J)		
1/28/2021	0.0037 (J)			
2/16/2021			<0.03	
2/17/2021				0.0013 (J)
2/18/2021		0.0072 (J)		
2/23/2021	0.0038 (J)			
3/24/2021			<0.03	0.0014 (J)
3/30/2021	0.0038 (J)	0.0084 (J)		
8/18/2021			<0.03	0.0013 (J)
8/19/2021		0.007 (J)		
8/23/2021	0.0033 (J)			
2/10/2022			<0.03	0.0016 (J)

Confidence Interval

Constituent: Lithium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-7	BGWC-8	BGWC-9
2/11/2022		0.0074 (J)		
2/14/2022	0.002 (J)			
7/26/2022			<0.03	0.0014 (J)
7/28/2022	0.00088 (J)	0.0061 (J)		
Mean	0.002913	0.009114	0.02868	0.0176
Std. Dev.	0.001209	0.003717	0.006183	0.02348
Upper Lim.	0.004071	0.0093	0.03	0.05
Lower Lim.	0.0009538	0.0074	0.001	0.0013

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
6/6/2016	8.4E-05 (J)					
6/7/2016		0.0001 (J)	0.0001 (J)		9.8E-05 (J)	0.00017 (J)
8/10/2016	<0.0002					
8/11/2016					<0.0002	0.00019 (J)
8/12/2016			<0.0002			
8/16/2016		<0.0002				
10/4/2016	<0.0002					
10/6/2016			<0.0002			
10/7/2016		<0.0002			<0.0002	0.00014 (J)
12/1/2016	<0.0002					
12/5/2016			<0.0002			
12/6/2016		<0.0002			<0.0002	0.00016 (J)
2/14/2017	<0.0002					
2/15/2017			<0.0002			
2/16/2017		<0.0002			<0.0002	0.00017 (J)
4/13/2017	<0.0002					
4/18/2017		<0.0002	<0.0002		<0.0002	
4/19/2017						0.00014 (J)
5/25/2017	<0.0002					
5/30/2017					<0.0002	0.00023 (J)
6/2/2017		<0.0002	<0.0002			
7/7/2017	<0.0002					
7/12/2017		<0.0002				
7/13/2017			<0.0002			
7/14/2017					<0.0002	0.00016 (J)
3/27/2018		<0.0002			<0.0002	<0.0002
3/28/2018			<0.0002			
2/25/2019					<0.0002	
2/27/2019						0.00029 (J)
2/28/2019		4.8E-05 (J)	5.8E-05 (J)			
4/1/2019			<0.0002			
4/2/2019	<0.0002	<0.0002			<0.0002	0.0004
9/23/2019	<0.0002					
9/25/2019		<0.0002	<0.0002			
9/26/2019					<0.0002	<0.0002
2/18/2020	<0.0002					
2/20/2020		<0.0002			<0.0002	
2/24/2020			<0.0002			0.0003 (J)
3/19/2020	<0.0002		<0.0002		<0.0002	0.00017 (J)
3/23/2020		<0.0002				
5/22/2020				<0.0002		
6/23/2020				<0.0002		
7/28/2020				<0.0002		
9/2/2020				<0.0002		
9/23/2020	<0.0002					
9/24/2020		<0.0002			<0.0002	0.00027 (J)
9/25/2020			<0.0002			
10/1/2020				<0.0002		
11/10/2020				<0.0002		
12/15/2020				<0.0002		
1/20/2021				<0.0002		
2/18/2021	<0.0002	<0.0002		<0.0002	<0.0002	0.00017 (J)

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17
2/19/2021			<0.0002			
3/24/2021			<0.0002	<0.0002	<0.0002	0.00012 (J)
3/30/2021		<0.0002				
3/31/2021	<0.0002					
8/16/2021	<0.0002					
8/18/2021		<0.0002	<0.0002	<0.0002	0.0002 (J)	
8/19/2021						<0.0002
2/9/2022	<0.0002			<0.0002		
2/11/2022		<0.0002	<0.0002		<0.0002	<0.0002
7/26/2022	<0.0002			0.00016 (J)		
7/27/2022			<0.0002		<0.0002	0.00025
7/28/2022		<0.0002				
Mean	0.0001936	0.0001874	0.0001879	0.0001969	0.0001949	0.0002065
Std. Dev.	2.734E-05	3.969E-05	3.786E-05	1.109E-05	2.281E-05	6.73E-05
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002303
Lower Lim.	8.4E-05	0.0001	0.0001	0.00016	9.8E-05	0.0001435

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24
6/8/2016	<0.0002	<0.0002	<0.0002	9.2E-05 (J)		
6/9/2016					<0.0002	<0.0002
8/12/2016	<0.0002	<0.0002	<0.0002			
8/18/2016				<0.0002	<0.0002	<0.0002
10/7/2016	<0.0002	<0.0002				
10/10/2016			<0.0002	<0.0002	<0.0002	4E-05 (J)
12/6/2016	<0.0002					
12/7/2016		8E-05 (J)	<0.0002		5E-05 (J)	7E-05 (J)
12/8/2016				<0.0002		
2/16/2017	<0.0002	<0.0002				
2/17/2017			<0.0002	<0.0002		
2/20/2017					<0.0002	5E-05 (J)
4/19/2017	<0.0002	<0.0002	<0.0002		<0.0002	0.00016 (J)
4/20/2017				<0.0002		
6/1/2017	<0.0002	<0.0002	<0.0002			
6/5/2017				<0.0002	<0.0002	0.00013 (J)
7/14/2017	<0.0002	<0.0002				
7/17/2017					<0.0002	0.00013 (J)
7/18/2017			<0.0002			
7/19/2017				<0.0002		
3/27/2018	<0.0002	<0.0002				
3/28/2018			<0.0002			
3/29/2018				<0.0002	<0.0002	<0.0002
2/27/2019	7.9E-05 (J)		6.6E-05 (J)			
3/1/2019		5E-05 (J)		4.2E-05 (J)	4.4E-05 (J)	0.00093
4/2/2019	<0.0002					
4/3/2019		<0.0002	<0.0002	<0.0002	<0.0002	0.0013
9/26/2019	<0.0002	<0.0002	<0.0002			
9/27/2019				<0.0002	<0.0002	
9/30/2019						0.0011
2/24/2020	<0.0002	<0.0002	<0.0002			
2/25/2020				<0.0002	<0.0002	
2/26/2020						0.0011
3/20/2020	<0.0002	<0.0002		<0.0002		
3/23/2020			<0.0002		<0.0002	
3/25/2020						0.0011
9/24/2020	<0.0002			<0.0002	<0.0002	
9/25/2020						0.0036
9/28/2020		<0.0002	<0.0002			
2/18/2021	<0.0002	<0.0002	<0.0002			
2/19/2021				<0.0002	<0.0002	0.0033
3/24/2021	<0.0002					
3/26/2021		<0.0002			<0.0002	0.0058
3/29/2021			<0.0002	<0.0002		
8/19/2021	<0.0002					
8/20/2021		<0.0002	<0.0002			
8/23/2021				<0.0002	<0.0002	0.00026
2/14/2022					<0.0002	
2/15/2022				<0.0002		0.0014
2/16/2022	<0.0002	<0.0002	<0.0002			
7/27/2022	<0.0002	<0.0002	<0.0002			
8/1/2022					<0.0002	

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-18	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24
8/2/2022				<0.0002		<0.0002
10/21/2022						0.00026
Mean	0.0001939	0.0001865	0.0001933	0.0001867	0.0001847	0.001025
Std. Dev.	2.706E-05	4.184E-05	2.996E-05	4.173E-05	4.71E-05	0.001482
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0009178
Lower Lim.	7.9E-05	8E-05	6.6E-05	9.2E-05	5E-05	0.0001149

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30	BGWC-31	BGWC-34D	BGWC-35D	BGWC-36D
6/8/2016	<0.0002					
8/15/2016	<0.0002					
10/10/2016	<0.0002					
12/8/2016	<0.0002					
1/23/2017		8E-05 (J)				
2/7/2017		0.00011 (J)				
2/20/2017	<0.0002					
3/27/2017		8E-05 (J)				
4/17/2017		4E-05 (J)				
4/20/2017	<0.0002					
5/22/2017		<0.0002				
6/1/2017	<0.0002					
6/5/2017		6E-05 (J)				
7/11/2017		9.1E-05 (J)				
7/17/2017	<0.0002					
8/23/2017		5E-05 (J)				
3/26/2018		<0.0002				
3/28/2018	<0.0002					
3/1/2019	4.7E-05 (J)	0.0001 (J)				
4/2/2019		<0.0002				<0.0002
4/4/2019	<0.0002		<0.0002	<0.0002	<0.0002	
9/24/2019			<0.0002	<0.0002		
9/26/2019				<0.0002		
9/27/2019		<0.0002				<0.0002
9/30/2019	<0.0002					
2/25/2020				<0.0002		
2/26/2020	<0.0002	<0.0002	<0.0002			0.00018 (J)
2/27/2020				<0.0002		
3/23/2020		<0.0002	<0.0002			<0.0002
3/24/2020	<0.0002			<0.0002		
3/25/2020					<0.0002	
9/25/2020		<0.0002			<0.0002	
9/28/2020	<0.0002		<0.0002	<0.0002		<0.0002
2/19/2021				<0.0002		
2/22/2021			<0.0002		<0.0002	
2/23/2021	<0.0002					
3/8/2021		<0.0002				<0.0002
3/25/2021		<0.0002				<0.0002
3/26/2021	<0.0002				<0.0002	
3/29/2021			<0.0002			
3/30/2021				<0.0002		
8/19/2021	<0.0002	<0.0002				
8/20/2021			<0.0002		<0.0002	
8/23/2021						<0.0002
8/24/2021				<0.0002		
2/14/2022		<0.0002				<0.0002
2/16/2022	<0.0002		<0.0002	<0.0002		
2/17/2022					<0.0002	
7/27/2022	<0.0002					
7/28/2022			0.00015 (J)	0.00014 (J)	0.00016 (J)	
7/29/2022						<0.0002
8/1/2022		<0.0002				

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-25	BGWC-30	BGWC-31	BGWC-34D	BGWC-35D	BGWC-36D
Mean	0.0001923	0.0001505	0.000195	0.000194	0.000196	0.000198
Std. Dev.	3.421E-05	6.39E-05	1.581E-05	1.897E-05	1.265E-05	6.325E-06
Upper Lim.	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	4.7E-05	8E-05	0.0002	0.0002	0.0002	0.0002

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-38D	BGWC-44D	BGWC-52	BGWC-7	BGWC-8	BGWC-9
6/6/2016						8E-05 (J)
6/7/2016					9.7E-05 (J)	
6/8/2016				<0.0002		
8/10/2016					<0.0002	
8/11/2016				<0.0002		<0.0002
10/4/2016					<0.0002	
10/5/2016						<0.0002
10/6/2016				<0.0002		
12/2/2016					<0.0002	
12/5/2016						<0.0002
12/6/2016				<0.0002		
2/14/2017					<0.0002	
2/15/2017				<0.0002		<0.0002
4/14/2017					<0.0002	
4/17/2017						<0.0002
4/18/2017				<0.0002		
5/26/2017					<0.0002	<0.0002
6/2/2017				<0.0002		
7/10/2017					<0.0002	
7/11/2017						<0.0002
7/14/2017				<0.0002		
3/26/2018					<0.0002	
3/27/2018				<0.0002		<0.0002
2/25/2019					<0.0002	
2/28/2019				5.3E-05 (J)		
4/1/2019					<0.0002	<0.0002
4/2/2019				<0.0002		
9/24/2019				<0.0002	<0.0002	<0.0002
2/19/2020					<0.0002	
2/20/2020						<0.0002
2/21/2020				<0.0002		
2/27/2020	<0.0002					
3/18/2020					<0.0002	
3/19/2020				<0.0002		<0.0002
3/24/2020	<0.0002					
9/2/2020	0.0001 (J)					
9/3/2020		<0.0002				
9/23/2020					<0.0002	
9/24/2020						<0.0002
9/25/2020				<0.0002		
1/28/2021			0.00019 (J)			
2/16/2021					<0.0002	
2/17/2021						<0.0002
2/18/2021		<0.0002		<0.0002		
2/23/2021			<0.0002			
3/9/2021	<0.0002					
3/24/2021					<0.0002	<0.0002
3/29/2021	<0.0002					
3/30/2021			<0.0002	<0.0002		
3/31/2021		<0.0002				
8/18/2021		<0.0002			<0.0002	<0.0002
8/19/2021	0.00012 (J)			<0.0002		

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-38D	BGWC-44D	BGWC-52	BGWC-7	BGWC-8	BGWC-9
8/23/2021			<0.0002			
2/9/2022		<0.0002				
2/10/2022					<0.0002	<0.0002
2/11/2022				<0.0002		
2/14/2022	<0.0002		<0.0002			
7/26/2022		0.00017 (J)			0.00016 (J)	0.00016 (J)
7/28/2022			<0.0002	<0.0002		
8/2/2022	0.00028					
Mean	0.0001875	0.000195	0.0001983	0.0001926	0.0001928	0.0001916
Std. Dev.	5.548E-05	1.225E-05	4.082E-06	3.287E-05	2.426E-05	2.853E-05
Upper Lim.	0.00028	0.0002	0.0002	0.0002	0.0002	0.0002
Lower Lim.	0.0001	0.00017	0.00019	5.3E-05	0.00016	0.00016

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21
6/6/2016	<0.01					
6/7/2016		0.0067 (J)				
6/8/2016				<0.01	0.011 (J)	0.0027 (J)
8/10/2016	<0.01					
8/12/2016				<0.01	0.0127	
8/16/2016		0.0032 (J)				
8/18/2016						0.0023 (J)
10/4/2016	<0.01					
10/7/2016		0.0032 (J)		<0.01		
10/10/2016					0.0136	0.0025 (J)
12/1/2016	<0.01					
12/6/2016		0.0049 (J)				
12/7/2016				<0.01	0.0139	
12/8/2016						<0.01
2/14/2017	<0.01					
2/16/2017		0.0039 (J)		<0.01		
2/17/2017					0.0148	<0.01
4/13/2017	<0.01					
4/18/2017		0.0032 (J)				
4/19/2017				<0.01	0.012	0.0014 (J)
5/25/2017	<0.01					
6/1/2017				<0.01	0.0125	0.0012 (J)
6/2/2017		0.0035 (J)				
7/7/2017	<0.01					
7/12/2017		0.0037 (J)				
7/14/2017				<0.01		
7/18/2017					0.0155	0.0013 (J)
3/27/2018		0.0032 (J)		<0.01		
3/28/2018					0.012	<0.01
6/13/2018					0.016	
6/14/2018		0.0033 (J)				<0.01
6/15/2018				<0.01		
10/16/2018	<0.01					
10/18/2018		0.0034 (J)				
10/19/2018				<0.01		<0.01
10/22/2018					0.013	
2/27/2019					0.013	
2/28/2019		0.0035 (J)				
3/1/2019				<0.01		
4/2/2019	0.00026 (J)	0.0032 (J)				
4/3/2019				0.00023 (J)	0.012	0.0019 (J)
9/23/2019	<0.01					
9/25/2019		0.0035 (J)				
9/26/2019				<0.01	0.015	
9/30/2019						0.003 (J)
2/18/2020	<0.01					
2/20/2020		0.0037 (J)				
2/24/2020				<0.01	0.015	
2/26/2020						0.0016 (J)
3/19/2020	<0.01					
3/20/2020				<0.01		0.0023 (J)
3/23/2020		0.0035 (J)			0.016	

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-10	BGWC-14A	BGWC-19	BGWC-20	BGWC-21
5/22/2020			0.0012 (J)			
6/23/2020			<0.01			
7/28/2020			0.00094 (J)			
9/2/2020			0.0013 (J)			
9/23/2020	<0.01					
9/24/2020		0.0032 (J)				0.0036 (J)
9/28/2020				<0.01	0.018	
10/1/2020			0.0017 (J)			
11/10/2020			0.0016 (J)			
12/15/2020			0.0019			
1/20/2021			0.0016 (J)			
2/18/2021	<0.01	0.0036 (J)	0.0045 (J)	<0.01	0.028	
2/19/2021						0.0013 (J)
3/24/2021			<0.01			
3/26/2021				<0.01		
3/29/2021					0.024	0.0021 (J)
3/30/2021		0.0035 (J)				
3/31/2021	0.001 (J)					
8/16/2021	<0.01					
8/18/2021		0.0029 (J)	0.0011 (J)			
8/20/2021				<0.01	0.026	0.003 (J)
2/9/2022	<0.01		<0.01			
2/11/2022		0.003 (J)				
2/16/2022				<0.01	0.025	0.005 (J)
7/26/2022	<0.01		0.0015 (J)			
7/27/2022				<0.01	0.028	
7/28/2022		0.0028 (J)				0.0042 (J)
Mean	0.009014	0.003573	0.003642	0.009556	0.01668	0.004257
Std. Dev.	0.002957	0.0008172	0.00373	0.002083	0.005584	0.003424
Upper Lim.	0.01	0.0036	0.01	0.01	0.018	0.002691
Lower Lim.	0.001	0.0032	0.0011	0.00023	0.0127	0.001651

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31
6/8/2016	0.07			0.0064 (J)		
6/9/2016		0.013 (J)	0.0024 (J)			
8/15/2016				0.0039 (J)		
8/18/2016	0.0758	0.0136	0.0034 (J)			
10/10/2016	0.0712	0.0134	0.0047 (J)	0.0029 (J)		
12/7/2016		0.0128	0.0066 (J)			
12/8/2016	0.0682			<0.01		
1/23/2017					0.0125	
2/7/2017					0.0163	
2/17/2017	0.066					
2/20/2017		0.0122	0.0026 (J)	0.0024 (J)		
3/27/2017					0.0157	
4/17/2017					0.0178	
4/19/2017		0.0124	0.002 (J)			
4/20/2017	0.0662			0.0019 (J)		
5/22/2017					0.0208	
6/1/2017				0.0026 (J)		
6/5/2017	0.071	0.0115	0.0015 (J)		0.0191	
7/11/2017					0.0218	
7/17/2017		0.0131	0.0013 (J)	0.0024 (J)		
7/19/2017	0.0703					
8/23/2017					0.0218	
3/26/2018					0.014	
3/28/2018				<0.01		
3/29/2018	0.056	0.013	0.0027 (J)			
6/13/2018		0.013	<0.01			
6/14/2018	0.059			<0.01		
6/15/2018					0.012	
10/18/2018						<0.01
10/22/2018	0.055	0.013	<0.01	<0.01	0.01	
3/1/2019	0.039	0.013	<0.01	<0.01	0.011	
4/2/2019					0.01	
4/3/2019	0.039	0.012	0.00095 (J)			
4/4/2019				0.00096 (J)		0.00033 (J)
5/2/2019	0.043					
9/24/2019						<0.01
9/27/2019	0.045	0.012			0.0036 (J)	
9/30/2019			0.00099 (J)	<0.01		
2/25/2020	0.039	0.014				
2/26/2020			<0.01	<0.01	0.0023 (J)	<0.01
3/20/2020	0.039					
3/23/2020		0.013			0.0037 (J)	<0.01
3/24/2020				<0.01		
3/25/2020			<0.01			
9/24/2020	0.04	0.011				
9/25/2020			0.00081 (J)		0.0027 (J)	
9/28/2020				<0.01		<0.01
2/19/2021	0.046	0.011	<0.01			
2/22/2021						<0.01
2/23/2021				<0.01		
3/8/2021					0.0031 (J)	
3/25/2021					0.0017 (J)	

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-22	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWC-31
3/26/2021		0.011 (J)	<0.01	<0.01		
3/29/2021	0.045					<0.01
7/19/2021	0.044	0.011	<0.01			
7/20/2021					0.0018 (J)	
8/19/2021				<0.01	0.0032 (J)	
8/20/2021						<0.01
8/23/2021	0.041	0.0098 (J)	<0.01			
11/1/2021	0.043	0.0092 (J)	<0.01		0.0032 (J)	
2/14/2022		0.0079 (J)			0.0048 (J)	
2/15/2022	0.039		<0.01			
2/16/2022				<0.01		<0.01
7/27/2022				<0.01		
7/28/2022						<0.01
8/1/2022		0.0071 (J)			0.0047 (J)	
8/2/2022	0.04		0.0027 (J)			
10/21/2022			<0.01 (R)			
Mean	0.05243	0.01179	0.006106	0.00743	0.0099	0.009121
Std. Dev.	0.01338	0.001785	0.003993	0.003605	0.00711	0.002916
Upper Lim.	0.0662	0.01272	0.01	0.01	0.01246	0.01
Lower Lim.	0.04	0.01107	0.0024	0.0029	0.005382	0.01

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D
10/17/2018				0.017		
10/19/2018		0.0021 (J)				
10/22/2018	0.0038 (J)		0.033			
11/29/2018			0.03			
1/14/2019				0.013		
4/2/2019				0.011		
4/4/2019		0.0011 (J)	0.03			
4/5/2019	0.0035 (J)					
5/2/2019						0.11
5/3/2019	0.0048 (J)			0.04		
9/24/2019		<0.01				
9/26/2019	0.003 (J)		0.033			
9/27/2019				0.013		
2/25/2020			0.026		0.012	
2/26/2020				0.0032 (J)		
2/27/2020	0.0032 (J)	0.001 (J)				0.11
3/23/2020				0.0058 (J)		
3/24/2020	0.0031 (J)	0.001 (J)			0.01	0.12
3/25/2020			0.022			
9/2/2020						0.1
9/25/2020	0.003 (J)		0.024		0.0088 (J)	
9/28/2020		0.00078 (J)		0.0084 (J)		
2/19/2021		0.0009 (J)				
2/22/2021			0.035		0.012	
2/23/2021	0.0032 (J)					
3/8/2021				0.0083 (J)		
3/9/2021						0.13
3/25/2021				0.013		
3/26/2021			0.036		0.017	
3/29/2021						0.13
3/30/2021	0.0037 (J)	0.0011 (J)				
8/19/2021						0.076
8/20/2021			0.04		0.016	
8/23/2021				0.014		
8/24/2021		0.00098 (J)				
8/25/2021	0.0038 (J)					
11/1/2021						0.081
2/14/2022				0.012		0.097
2/16/2022	0.0038 (J)	0.00094 (J)				
2/17/2022			0.039		0.016	
7/28/2022		0.0011 (J)	0.036		0.0082 (J)	
7/29/2022	0.0036 (J)			0.0095 (J)		
8/2/2022						0.093
Mean	0.003542	0.001455	0.032	0.01068	0.01556	0.1047
Std. Dev.	0.0005071	0.001226	0.005752	0.003825	0.00972	0.01878
Upper Lim.	0.00394	0.0021	0.03651	0.01368	0.02191	0.1215
Lower Lim.	0.003144	0.0009	0.02749	0.007682	0.008686	0.08794

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-44D
2/27/2020	0.0039 (J)					
2/28/2020		0.0014 (J)				
3/24/2020	0.0026 (J)					
3/25/2020		0.0012 (J)				
5/4/2020			<0.01		0.14	<0.01
5/11/2020				0.02		
5/20/2020				0.021	0.16	
9/2/2020			0.015			
9/3/2020				0.018	0.11	0.0055 (J)
9/29/2020	0.01	0.00069 (J)				
2/18/2021						0.0062 (J)
2/22/2021	0.0076 (J)	<0.01	0.013	0.0052 (J)		
3/8/2021					0.2	
3/29/2021					0.21	
3/30/2021		<0.01				
3/31/2021	0.0062 (J)		0.011			0.0023 (J)
4/1/2021				0.0059 (J)		
7/20/2021					0.24	
8/18/2021						0.0041 (J)
8/20/2021				0.013		
8/23/2021					0.21	
8/24/2021	0.0076 (J)	<0.01	0.011			
2/9/2022						0.0011 (J)
2/15/2022			0.0087 (J)		0.15	
2/16/2022	0.0052 (J)	<0.01				
2/17/2022				0.0055 (J)		
7/26/2022						0.012
7/28/2022		<0.01		0.0092 (J)		
7/29/2022			0.008 (J)			
8/1/2022					0.16	
8/2/2022	0.0062 (J)					
Mean	0.006163	0.006661	0.01024	0.01223	0.1756	0.005171
Std. Dev.	0.002318	0.004612	0.003324	0.00671	0.04157	0.003507
Upper Lim.	0.008619	0.01	0.01419	0.01934	0.2157	0.009337
Lower Lim.	0.003706	0.00069	0.006295	0.005113	0.1354	0.001006

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
6/7/2016						0.00063 (J)
6/8/2016					0.0088 (J)	
8/10/2016						0.0039 (J)
8/11/2016					0.01	
10/4/2016						0.0052 (J)
10/6/2016					0.0117	
12/2/2016						<0.01
12/6/2016					0.0102	
2/14/2017						0.0044 (J)
2/15/2017					0.0018 (J)	
4/14/2017						0.0013 (J)
4/18/2017					0.0103	
5/26/2017						0.0024 (J)
6/2/2017					0.0129	
7/10/2017						0.0013 (J)
7/14/2017					0.0129	
3/26/2018						<0.01
3/27/2018					0.01	
6/12/2018						0.0026 (J)
6/13/2018					0.013	
10/16/2018						0.0041 (J)
10/18/2018					0.01 (J)	
2/25/2019						<0.01
2/28/2019					0.016	
4/1/2019						0.00054 (J)
4/2/2019					0.011	
9/24/2019					0.01 (J)	0.0016 (J)
2/19/2020						0.0018 (J)
2/21/2020					0.011	
3/18/2020						<0.01
3/19/2020					0.011	
9/23/2020						<0.01
9/25/2020					0.0099 (J)	
1/28/2021			<0.01	0.0038 (J)		
2/16/2021						0.0011 (J)
2/18/2021					0.0098 (J)	
2/23/2021			<0.01	0.0039 (J)		
3/24/2021						<0.01
3/30/2021			0.0027 (J)	0.0035 (J)	0.011	
4/19/2021	0.0067 (J)	0.0043 (J)				
8/18/2021		0.0021 (J)				0.0019 (J)
8/19/2021					0.0094 (J)	
8/23/2021			<0.01	0.0038 (J)		
8/24/2021	0.0049 (J)					
2/9/2022		0.0032 (J)				
2/10/2022						0.00081 (J)
2/11/2022					0.0088 (J)	
2/14/2022			<0.01	0.0041 (J)		
2/17/2022	0.0056 (J)					
7/26/2022		0.0029 (J)				0.00096 (J)
7/28/2022				0.0053 (J)	0.009 (J)	
8/1/2022	0.0066 (J)		<0.01			

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52	BGWC-7	BGWC-8
Mean	0.00595	0.003125	0.008783	0.004067	0.01039	0.004297
Std. Dev.	0.0008583	0.0009106	0.00298	0.0006346	0.002555	0.003786
Upper Lim.	0.007899	0.005192	0.01	0.0053	0.0117	0.002599
Lower Lim.	0.004001	0.001058	0.0027	0.0035	0.0098	0.00121

Confidence Interval

Constituent: Molybdenum (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-9
6/6/2016	0.0028 (J)
8/11/2016	0.003 (J)
10/5/2016	0.0032 (J)
12/5/2016	0.0033 (J)
2/15/2017	0.0027 (J)
4/17/2017	0.0025 (J)
5/26/2017	0.0029 (J)
7/11/2017	0.0029 (J)
3/27/2018	0.0031 (J)
6/12/2018	0.0043 (J)
10/17/2018	0.0038 (J)
4/1/2019	0.0027 (J)
9/24/2019	0.0041 (J)
2/20/2020	0.002 (J)
3/19/2020	0.0024 (J)
9/24/2020	0.0034 (J)
2/17/2021	0.0033 (J)
3/24/2021	0.0027 (J)
8/18/2021	0.0028 (J)
2/10/2022	0.0026 (J)
7/26/2022	0.0029 (J)
Mean	0.003019
Std. Dev.	0.000551
Upper Lim.	0.003323
Lower Lim.	0.002715

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
6/6/2016	<0.005					
6/7/2016		<0.005		<0.005	0.0004 (J)	
6/8/2016						<0.005
8/10/2016	<0.005					
8/11/2016				<0.005	<0.005	
8/12/2016		<0.005				<0.005
10/4/2016	<0.005					
10/6/2016		<0.005				
10/7/2016				<0.005	<0.005	<0.005
12/1/2016	<0.005					
12/5/2016		<0.005				
12/6/2016				<0.005	<0.005	<0.005
2/14/2017	<0.005					
2/15/2017		<0.005				
2/16/2017				0.0012 (J)	<0.005	<0.005
4/13/2017	<0.005					
4/18/2017		<0.005		<0.005		
4/19/2017					<0.005	<0.005
5/25/2017	<0.005					
5/30/2017				<0.005	<0.005	
6/1/2017						<0.005
6/2/2017		<0.005				
7/7/2017	<0.005					
7/13/2017		<0.005				
7/14/2017				<0.005	<0.005	<0.005
3/27/2018				<0.005	<0.005	<0.005
3/28/2018		<0.005				
2/25/2019				<0.005		
2/27/2019					<0.005	<0.005
2/28/2019		<0.005				
4/1/2019		0.0004 (J)				
4/2/2019	0.00031 (J)			0.0006 (J)	0.00077 (J)	0.001 (J)
9/23/2019	<0.005					
9/25/2019		<0.005				
9/26/2019				<0.005	<0.005	<0.005
2/18/2020	<0.005					
2/20/2020				0.0026 (J)		
2/24/2020		<0.005			0.0013 (J)	<0.005
3/19/2020	<0.005	<0.005		0.0019 (J)	0.0022 (J)	
3/20/2020						<0.005
5/22/2020			0.0014 (J)			
6/23/2020			<0.005			
7/28/2020			<0.005			
9/2/2020			<0.005			
9/23/2020	<0.005					
9/24/2020				0.003 (J)	<0.005	<0.005
9/25/2020		<0.005				
10/1/2020			<0.005			
11/10/2020			<0.005			
12/15/2020			<0.005			
1/20/2021			<0.005			
2/18/2021	<0.005		<0.005	0.0017 (J)	<0.005	<0.005

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
2/19/2021		<0.005				
3/24/2021		<0.005	<0.005	0.0017 (J)	<0.005	<0.005
3/31/2021	0.0032 (J)					
8/16/2021	<0.005					
8/18/2021		<0.005	<0.005	<0.005		
8/19/2021					<0.005	<0.005
2/9/2022	<0.005		<0.005			
2/11/2022		<0.005		<0.005	<0.005	
2/16/2022						<0.005
7/26/2022	<0.005		<0.005			
7/27/2022		<0.005		0.0018 (J)	<0.005	<0.005
Mean	0.004639	0.00477	0.004723	0.003725	0.004233	0.0048
Std. Dev.	0.001161	0.001029	0.0009985	0.001665	0.001603	0.0008944
Upper Lim.	0.005	0.005	0.005	0.005	0.005	0.005
Lower Lim.	0.0032	0.0004	0.0014	0.0018	0.0022	0.001

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
6/8/2016	0.00043 (J)	<0.005	<0.005	<0.005		
6/9/2016					<0.005	0.00099 (J)
8/12/2016	<0.005	<0.005				
8/18/2016			<0.005	<0.005	<0.005	0.0023 (J)
10/7/2016	<0.005					
10/10/2016		<0.005	0.001 (J)	<0.005	<0.005	0.004 (J)
12/7/2016	<0.005	0.0037 (J)			0.0176	0.0302
12/8/2016			<0.005	0.012		
2/16/2017	<0.005					
2/17/2017		<0.005	<0.005	<0.005		
2/20/2017					<0.005	0.0044 (J)
4/19/2017	<0.005	<0.005	<0.005		<0.005	0.0046 (J)
4/20/2017				<0.005		
6/1/2017	<0.005	<0.005	<0.005			
6/5/2017				0.0018 (J)	<0.005	0.0033 (J)
7/14/2017	<0.005					
7/17/2017					<0.005	0.0052 (J)
7/18/2017		<0.005	<0.005			
7/19/2017				<0.005		
3/27/2018	<0.005					
3/28/2018		<0.005	<0.005			
3/29/2018				<0.005	<0.005	<0.05
2/27/2019		<0.005				
3/1/2019	<0.005			<0.005	<0.005	<0.05
4/3/2019	0.00058 (J)	<0.005	0.00012 (J)	<0.005	<0.005	0.0038 (J)
9/26/2019	<0.005	<0.005				
9/27/2019				<0.005	<0.005	
9/30/2019			<0.005			0.0065 (J)
2/24/2020	0.0013 (J)	<0.005				
2/25/2020				<0.005	0.002 (J)	
2/26/2020			<0.005			0.0077 (J)
3/20/2020	<0.005		<0.005	<0.005		
3/23/2020		<0.005			<0.005	
3/25/2020						0.0067 (J)
9/24/2020			<0.005	0.0026 (J)	<0.005	
9/25/2020						0.01
9/28/2020	<0.005	<0.005				
2/18/2021	<0.005	<0.005				
2/19/2021			<0.005	<0.005	<0.005	0.0065
3/26/2021	<0.005				<0.005	<0.05
3/29/2021		<0.005	<0.005	<0.005		
8/20/2021	<0.005	<0.005	<0.005			
8/23/2021				<0.005	<0.005	0.0045 (J)
2/14/2022					<0.005	
2/15/2022				<0.005		0.0055
2/16/2022	<0.005	<0.005	<0.005			
7/27/2022	<0.005	<0.005				
7/28/2022			<0.005			
8/1/2022					<0.005	
8/2/2022				<0.005		0.0027 (J)
10/21/2022						0.0045 (J)
Mean	0.004365	0.004935	0.004533	0.00507	0.00548	0.008971

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-21	BGWC-22	BGWC-23	BGWC-24
Std. Dev.	0.001557	0.0002907	0.001408	0.001848	0.00293	0.008885
Upper Lim.	0.005	0.005	0.005	0.012	0.0176	0.009913
Lower Lim.	0.0013	0.0037	0.001	0.0026	0.002	0.003819

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-30	BGWC-31	BGWC-32	BGWC-34D	BGWC-36D	BGWC-38D
1/23/2017	0.015					
2/7/2017	0.0114					
3/27/2017	0.0092 (J)					
4/17/2017	0.0082 (J)					
5/22/2017	0.0094 (J)					
6/5/2017	0.0118					
7/11/2017	0.012					
8/23/2017	0.0097 (J)					
3/26/2018	<0.01					
3/1/2019	0.01 (J)					
4/2/2019	0.0092 (J)				0.014	
4/4/2019		8E-05 (J)		0.0001 (J)		
4/5/2019			0.00015 (J)			
9/24/2019		<0.005		<0.005		
9/26/2019			<0.005			
9/27/2019	0.0033 (J)				0.0071 (J)	
2/26/2020	<0.01	<0.005			0.0029 (J)	
2/27/2020			<0.005	<0.005		<0.005
3/23/2020	0.0041 (J)	<0.005			0.0033 (J)	
3/24/2020			<0.005	<0.005		<0.005
9/2/2020						0.003 (J)
9/25/2020	0.0035 (J)		<0.005			
9/28/2020		<0.005		<0.005	0.0076 (J)	
2/19/2021				<0.005		
2/22/2021		<0.005				
2/23/2021			<0.005			
3/8/2021	0.0048 (J)				0.011	
3/9/2021						0.005
3/25/2021	0.0021 (J)				0.012	
3/29/2021		<0.005				<0.005
3/30/2021			<0.005	<0.005		
8/19/2021	0.0052					<0.005
8/20/2021		<0.005				
8/23/2021					0.0086	
8/24/2021				<0.005		
8/25/2021			<0.005			
2/14/2022	0.0084				0.011	<0.005
2/16/2022		<0.005	<0.005	<0.005		
7/28/2022		<0.005		<0.005		
7/29/2022			<0.005		0.011	
8/1/2022	0.0074					
8/2/2022						<0.005
Mean	0.007735	0.004508	0.004515	0.00451	0.00885	0.00475
Std. Dev.	0.003482	0.001556	0.001534	0.00155	0.00367	0.0007071
Upper Lim.	0.009712	0.005	0.005	0.005	0.01212	0.005
Lower Lim.	0.005758	0.005	0.005	0.005	0.005576	0.003

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV

Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-39	BGWC-40	BGWC-41D	BGWC-42D	BGWC-43D	BGWC-51
2/27/2020	<0.005					
2/28/2020		0.0018 (J)				
3/24/2020	<0.005					
3/25/2020		0.0039 (J)				
9/2/2020			0.0016 (J)			
9/3/2020				0.0022 (J)	0.0028 (J)	
9/29/2020	0.002 (J)	0.005 (J)				
1/28/2021						0.014
2/22/2021	<0.005	0.0094	<0.005	<0.005		
2/23/2021						0.013
3/8/2021					<0.005	
3/29/2021					<0.005	
3/30/2021		0.0098				0.01 (J)
3/31/2021	0.002 (J)		0.0016 (J)			
4/1/2021				0.0027 (J)		
8/20/2021				<0.005		
8/23/2021					<0.005	0.013
8/24/2021	<0.005	0.0096	<0.005			
2/14/2022						0.0042 (J)
2/15/2022			<0.005		<0.005	
2/16/2022	<0.005	0.0084				
2/17/2022				<0.005		
7/28/2022		0.007		<0.005		
7/29/2022			<0.005			
8/1/2022					<0.005	0.0036 (J)
8/2/2022	<0.005					
Mean	0.00425	0.006863	0.003867	0.00415	0.004633	0.009633
Std. Dev.	0.001389	0.002996	0.001756	0.001326	0.0008981	0.004643
Upper Lim.	0.005	0.01004	0.005	0.005	0.005	0.01488
Lower Lim.	0.002	0.003687	0.0016	0.0022	0.0028	0.0004256

Confidence Interval

Constituent: Selenium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-52	BGWC-8	BGWC-9
6/6/2016			0.00031 (J)
6/7/2016		4.8E-05 (J)	
8/10/2016		<0.005	
8/11/2016			0.001 (J)
10/4/2016		<0.005	
10/5/2016			0.0017 (J)
12/2/2016		<0.005	
12/5/2016			<0.005
2/14/2017		<0.005	
2/15/2017			<0.005
4/14/2017		<0.005	
4/17/2017			<0.005
5/26/2017		<0.005	0.0014 (J)
7/10/2017		<0.005	
7/11/2017			<0.005
3/26/2018		<0.005	
3/27/2018			<0.005
2/25/2019		<0.005	
4/1/2019		0.00015 (J)	0.0004 (J)
9/24/2019		<0.005	<0.005
2/19/2020		<0.005	
2/20/2020			<0.005
3/18/2020		<0.005	
3/19/2020			0.0015 (J)
9/23/2020		<0.005	
9/24/2020			<0.005
1/28/2021	<0.005		
2/16/2021		<0.005	
2/17/2021			<0.005
2/23/2021	0.0016 (J)		
3/24/2021		<0.005	<0.005
3/30/2021	<0.005		
8/18/2021		<0.005	0.0014 (J)
8/23/2021	<0.005		
2/10/2022		<0.005	<0.005
2/14/2022	0.0018 (J)		
7/26/2022		<0.005	0.0015 (J)
7/28/2022	<0.005		
Mean	0.0039	0.00451	0.003379
Std. Dev.	0.001705	0.001509	0.00198
Upper Lim.	0.005	0.005	0.005
Lower Lim.	0.0016	0.00015	0.0014

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
6/6/2016	<0.001					
6/7/2016		<0.001		0.0002 (J)	8.5E-05 (J)	
6/8/2016						<0.001
8/10/2016	7E-05 (J)					
8/11/2016				0.0002 (J)	8E-05 (J)	
8/12/2016		9E-05 (J)				6E-05 (J)
10/4/2016	<0.001					
10/6/2016		<0.001				
10/7/2016				0.0002 (J)	<0.001	<0.001
12/1/2016	<0.001					
12/5/2016		<0.001				
12/6/2016				0.0003 (J)	<0.001	<0.001
2/14/2017	<0.001					
2/15/2017		<0.001				
2/16/2017				0.0003 (J)	<0.001	<0.001
4/13/2017	0.0001 (J)					
4/18/2017		9E-05 (J)		0.0002 (J)		
4/19/2017					8E-05 (J)	<0.001
5/25/2017	6E-05 (J)					
5/30/2017				0.0002 (J)	9E-05 (J)	
6/1/2017						<0.001
6/2/2017		<0.001				
7/7/2017	7E-05 (J)					
7/13/2017		8E-05 (J)				
7/14/2017				0.0002 (J)	9E-05 (J)	<0.001
3/27/2018				0.00019 (J)	<0.001	<0.001
3/28/2018		<0.001				
6/12/2018				0.0002 (J)		
6/14/2018		<0.001			<0.001	<0.001
10/16/2018	<0.001					
10/17/2018		<0.001			<0.001	
10/18/2018				0.0002 (J)		<0.001
2/25/2019				0.00023 (J)		
2/27/2019					<0.001	<0.001
2/28/2019		<0.001				
4/1/2019		<0.001				
4/2/2019	6.2E-05 (J)			0.0002 (J)	7.5E-05 (J)	<0.001
9/23/2019	6E-05 (J)					
9/25/2019		6E-05 (J)				
9/26/2019				0.00023 (J)	0.00026 (J)	7.1E-05 (J)
2/18/2020	5.3E-05 (J)					
2/20/2020				0.00028 (J)		
2/24/2020		<0.001			5.9E-05 (J)	6.8E-05 (J)
3/19/2020	6.1E-05 (J)	6.2E-05 (J)		0.00022 (J)	6.1E-05 (J)	
3/20/2020						<0.001
5/22/2020			0.00016 (J)			
6/23/2020			0.00011 (J)			
7/28/2020			0.00026 (J)			
9/2/2020			0.00035 (J)			
9/23/2020	<0.001					
9/24/2020				0.00024 (J)	0.00018 (J)	<0.001
9/25/2020		<0.001				

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWA-6	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18
10/1/2020			0.0005 (J)			
11/10/2020			0.00044 (J)			
12/15/2020			0.00044			
1/20/2021			0.00031 (J)			
2/18/2021	<0.001		0.00077 (J)	0.00023 (J)	<0.001	<0.001
2/19/2021		<0.001				
3/24/2021		<0.001	0.00023 (J)	0.00019 (J)	<0.001	<0.001
3/31/2021	0.00017 (J)					
8/16/2021	<0.001					
8/18/2021		<0.001	0.00039 (J)	0.00023 (J)		
8/19/2021					<0.001	<0.001
2/9/2022	<0.001		0.00024 (J)			
2/11/2022		<0.001		0.00024 (J)	<0.001	
2/16/2022						<0.001
7/26/2022	<0.001		0.00047 (J)			
7/27/2022		<0.001		0.00025 (J)	<0.001	<0.001
Mean	0.0005635	0.0007901	0.0003592	0.0002241	0.0005936	0.0008727
Std. Dev.	0.0004734	0.0003962	0.0001732	3.347E-05	0.0004575	0.000328
Upper Lim.	0.001	0.001	0.000488	0.00024	0.001	0.001
Lower Lim.	6.1E-05	9E-05	0.0002305	0.0002	8.5E-05	7.1E-05

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30
6/8/2016	8.5E-05 (J)	<0.001	0.00035 (J)			
6/9/2016				0.0001 (J)	0.00022 (J)	
8/12/2016	8E-05 (J)	<0.001				
8/18/2016			0.0005 (J)	<0.001	<0.001	
10/7/2016	<0.001					
10/10/2016		<0.001	0.0006 (J)	<0.001	0.0003 (J)	
12/7/2016	<0.001	<0.001		<0.001	<0.001	
12/8/2016			0.0005 (J)			
1/23/2017						0.0008 (J)
2/7/2017						0.0008 (J)
2/16/2017	<0.001					
2/17/2017		<0.001	0.0006 (J)			
2/20/2017				<0.001	0.0003 (J)	
3/27/2017						0.0006 (J)
4/17/2017						0.0007 (J)
4/19/2017	6E-05 (J)	<0.001		<0.001	0.0004 (J)	
4/20/2017			0.0006 (J)			
5/22/2017						0.0008 (J)
6/1/2017	8E-05 (J)	<0.001				
6/5/2017			0.0006 (J)	<0.001	0.0004 (J)	0.0007 (J)
7/11/2017						0.0007 (J)
7/14/2017	8E-05 (J)					
7/17/2017				<0.001	0.0004 (J)	
7/18/2017		<0.001				
7/19/2017			0.0007 (J)			
8/23/2017						0.0007 (J)
3/26/2018						0.00058 (J)
3/27/2018	<0.001					
3/28/2018		<0.001				
3/29/2018			0.00063 (J)	<0.001	0.00048 (J)	
6/13/2018		<0.001		<0.001	0.00053 (J)	
6/14/2018			0.00069 (J)			
6/15/2018	<0.001					0.00056 (J)
10/19/2018	<0.001					
10/22/2018		<0.001	0.00071 (J)	<0.001	0.00047 (J)	0.00034 (J)
2/27/2019		<0.001				
3/1/2019	<0.001		0.00074 (J)	<0.001	0.0007 (J)	0.00024 (J)
4/2/2019						0.00024 (J)
4/3/2019	<0.001	<0.001	0.0007 (J)	<0.001	0.00064 (J)	
9/26/2019	8E-05 (J)	<0.001				
9/27/2019			0.00088 (J)	0.00018 (J)		0.00014 (J)
9/30/2019					0.00069 (J)	
2/24/2020	<0.001	<0.001				
2/25/2020			0.00062 (J)	0.00015 (J)		
2/26/2020					0.00073 (J)	8.5E-05 (J)
3/20/2020	<0.001		0.00063 (J)			
3/23/2020		0.0002 (J)		0.00016 (J)		9.1E-05 (J)
3/25/2020					0.00066 (J)	
9/24/2020			0.001	0.00038 (J)		
9/25/2020					0.00057 (J)	<0.001
9/28/2020	<0.001	<0.001				
2/18/2021	<0.001	<0.001				

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-19	BGWC-20	BGWC-22	BGWC-23	BGWC-24	BGWC-30
2/19/2021			0.00089 (J)	0.00039 (J)	0.0005 (J)	
3/8/2021						<0.001
3/25/2021						<0.001
3/26/2021	<0.001			0.00069 (J)	0.00057 (J)	
3/29/2021		<0.001	0.0009 (J)			
8/19/2021						0.00022 (J)
8/20/2021	<0.001	0.00025 (J)				
8/23/2021			0.00088 (J)	<0.001	0.00051 (J)	
2/14/2022				<0.001		<0.001
2/15/2022			0.0011		0.00045 (J)	
2/16/2022	0.00021 (J)	<0.001				
7/27/2022	<0.001	<0.001				
8/1/2022				<0.001		<0.001
8/2/2022			0.00098 (J)		<0.001	
10/21/2022					0.00032 (J)	
Mean	0.0007125	0.0009295	0.0007182	0.000775	0.000493	0.0006044
Std. Dev.	0.0004316	0.0002282	0.0001855	0.0003552	0.0001363	0.0003214
Upper Lim.	0.001	0.001	0.0008177	0.001	0.0005643	0.0004833
Lower Lim.	8.5E-05	0.00025	0.0006186	0.00039	0.0004218	0.0002275

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-38D	BGWC-39
10/17/2018				0.00026 (J)		
10/19/2018		<0.001				
10/22/2018	0.00014 (J)		<0.001			
4/2/2019				0.00022 (J)		
4/4/2019		<0.001	<0.001			
4/5/2019	0.00046 (J)					
9/24/2019		<0.001				
9/26/2019	0.00017 (J)		<0.001			
9/27/2019				0.00037 (J)		
2/25/2020			<0.001			
2/26/2020				0.00013 (J)		
2/27/2020	0.00013 (J)	8.9E-05 (J)			0.0027	0.00017 (J)
3/23/2020				0.00011 (J)		
3/24/2020	8.4E-05 (J)	<0.001			5.6E-05 (J)	0.00013 (J)
3/25/2020			6.8E-05 (J)			
9/2/2020					0.00042 (J)	
9/25/2020	0.00014 (J)		<0.001			
9/28/2020		<0.001		0.00019 (J)		
9/29/2020						0.00025 (J)
2/19/2021		<0.001				
2/22/2021			0.00016 (J)			0.00021 (J)
2/23/2021	0.00015 (J)					
3/8/2021				0.0002 (J)		
3/9/2021					<0.001	
3/25/2021				0.00019 (J)		
3/26/2021			<0.001			
3/29/2021					0.00018 (J)	
3/30/2021	0.00016 (J)	<0.001				
3/31/2021						0.00017 (J)
8/19/2021					<0.001	
8/20/2021			0.00026 (J)			
8/23/2021				0.00024 (J)		
8/24/2021		<0.001				0.00027 (J)
8/25/2021	<0.001					
2/14/2022				0.00022 (J)	<0.001	
2/16/2022	<0.001	<0.001				<0.001
2/17/2022			<0.001			
7/28/2022		<0.001	0.00022 (J)			
7/29/2022	<0.001			0.00018 (J)		
8/2/2022					<0.001	<0.001
Mean	0.0004031	0.0009172	0.0007007	0.00021	0.0009195	0.0004
Std. Dev.	0.0003955	0.0002747	0.0004177	6.885E-05	0.0008227	0.0003731
Upper Lim.	0.001	0.001	0.001	0.0002674	0.001086	0.001
Lower Lim.	0.00013	0.001	0.00016	0.0001526	1.754E-05	0.00013

Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
 Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-51	BGWC-52	BGWC-7	BGWC-9
6/6/2016						<0.001
6/8/2016					<0.001	
8/11/2016					<0.001	<0.001
10/5/2016						<0.001
10/6/2016					<0.001	
12/5/2016						<0.001
12/6/2016					<0.001	
2/15/2017					<0.001	<0.001
4/17/2017						<0.001
4/18/2017					<0.001	
5/26/2017						<0.001
6/2/2017					<0.001	
7/11/2017						<0.001
7/14/2017					<0.001	
3/27/2018					<0.001	<0.001
6/12/2018						<0.001
6/13/2018					<0.001	
10/17/2018						<0.001
10/18/2018					<0.001	
2/28/2019					<0.001	
4/1/2019						6.5E-05 (J)
4/2/2019					7E-05 (J)	
9/24/2019					8.7E-05 (J)	<0.001
2/20/2020						0.00022 (J)
2/21/2020					9.6E-05 (J)	
2/28/2020	<0.001					
3/19/2020					0.00011 (J)	0.00018 (J)
3/25/2020	0.00014 (J)					
9/3/2020		0.0024				
9/24/2020						<0.001
9/25/2020					<0.001	
9/29/2020	<0.001					
1/28/2021			0.0002 (J)	0.00045 (J)		
2/17/2021						<0.001
2/18/2021					<0.001	
2/22/2021	<0.001					
2/23/2021			<0.001	0.00023 (J)		
3/8/2021		0.0015				
3/24/2021						<0.001
3/29/2021		0.0016				
3/30/2021	<0.001		0.0004 (J)	0.00024 (J)	0.00015 (J)	
8/18/2021						<0.001
8/19/2021					0.00023 (J)	
8/23/2021		0.0028	<0.001	0.00037 (J)		
8/24/2021	<0.001					
2/10/2022						<0.001
2/11/2022					0.0003 (J)	
2/14/2022			<0.001	<0.001		
2/15/2022		0.0034				
2/16/2022	<0.001					
7/26/2022						<0.001
7/28/2022	<0.001			<0.001	0.00029 (J)	

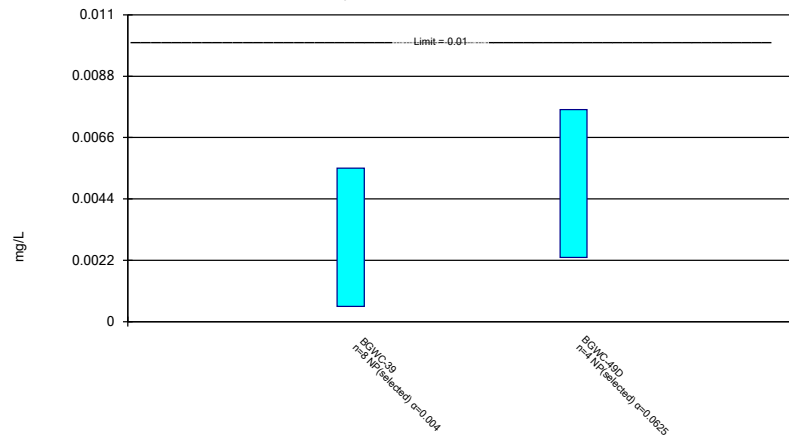
Confidence Interval

Constituent: Thallium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-40	BGWC-43D	BGWC-51	BGWC-52	BGWC-7	BGWC-9
8/1/2022		0.0028	<0.001			
Mean	0.0008925	0.002417	0.0007667	0.0005483	0.000697	0.0008793
Std. Dev.	0.0003041	0.0007441	0.000367	0.0003594	0.0004139	0.0003041
Upper Lim.	0.001	0.003439	0.001	0.0004527	0.001	0.001
Lower Lim.	0.00014	0.001394	0.0002	0.0002038	0.00023	0.00022

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.

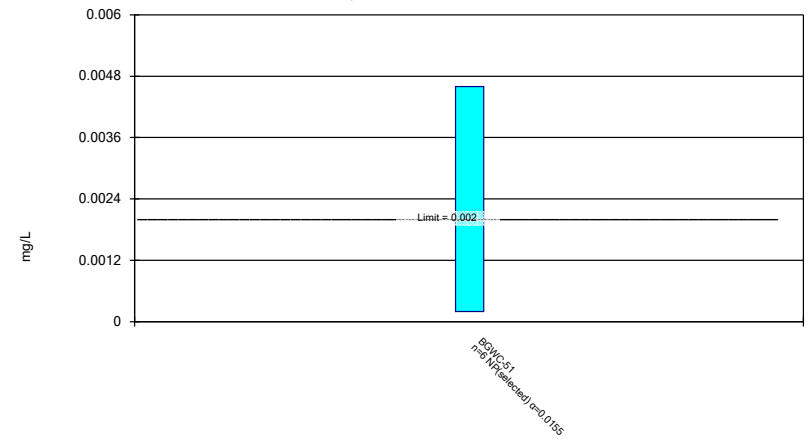


Normality testing disabled.

Constituent: Arsenic Analysis Run 4/18/2023 12:44 PM View: Appendix IV Nonparametric
Plant Bowen Client: Southern Company Data: Bowen AP-1

Non-Parametric Confidence Interval

Compliance Limit is not exceeded.



Normality testing disabled.

Constituent: Mercury Analysis Run 4/18/2023 12:44 PM View: Appendix IV Nonparametric
Plant Bowen Client: Southern Company Data: Bowen AP-1

Confidence Interval

Constituent: Arsenic (mg/L) Analysis Run 4/18/2023 12:45 PM View: Appendix IV Nonparametric
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-39	BGWC-49D
2/27/2020	0.00055 (J)	
3/24/2020	<0.005	
9/29/2020	<0.005	
2/22/2021	0.0026 (J)	
3/31/2021	<0.005	
4/19/2021		0.0023 (J)
8/24/2021	0.0028 (J)	0.003 (J)
2/16/2022	0.0052	
2/17/2022		0.0057
8/1/2022		0.0076
8/2/2022	0.0055	
Mean	0.003956	0.00465
Std. Dev.	0.001772	0.002453
Upper Lim.	0.0055	0.0076
Lower Lim.	0.00055	0.0023

Confidence Interval

Constituent: Mercury (mg/L) Analysis Run 4/18/2023 12:45 PM View: Appendix IV Nonparametric
Plant Bowen Client: Southern Company Data: Bowen AP-1

	BGWC-51
1/28/2021	0.0046
2/23/2021	0.0033
3/30/2021	0.002
8/23/2021	0.0014
2/14/2022	0.00025
8/1/2022	<0.0002
Mean	0.001958
Std. Dev.	0.001738
Upper Lim.	0.0046
Lower Lim.	0.0002

FIGURE I.

Appendix IV Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 2:04 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Cobalt (mg/L)	BGWC-22	0.004271	236	111	Yes	25	0	n/a	n/a	0.01	NP

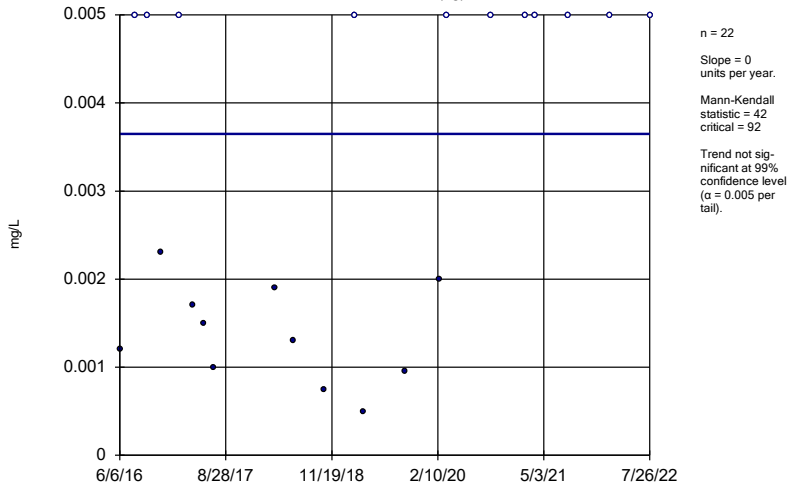
Appendix IV Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 2:04 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Arsenic (mg/L)	BGWA-2 (bg)	0	42	92	No	22	50	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-29 (bg)	0	18	92	No	22	59.09	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-33 (bg)	0.0004148	10	30	No	10	20	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-47D (bg)	0	10	43	No	13	69.23	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWA-48D (bg)	0.0006897	22	43	No	13	38.46	n/a	n/a	0.01	NP
Arsenic (mg/L)	BGWC-34D	0	8	43	No	13	0	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-2 (bg)	0	11	98	No	23	86.96	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-29 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-33 (bg)	0	9	30	No	10	90	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-47D (bg)	0	10	43	No	13	92.31	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWA-48D (bg)	0	11	43	No	13	84.62	n/a	n/a	0.01	NP
Cobalt (mg/L)	BGWC-22	0.004271	236	111	Yes	25	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-2 (bg)	0	22	98	No	23	47.83	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-29 (bg)	0	-3	-92	No	22	95.45	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-33 (bg)	-0.003088	-28	-34	No	11	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-47D (bg)	0	12	43	No	13	92.31	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWA-48D (bg)	-0.001741	-42	-43	No	13	0	n/a	n/a	0.01	NP
Molybdenum (mg/L)	BGWC-43D	0.02402	10	25	No	9	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

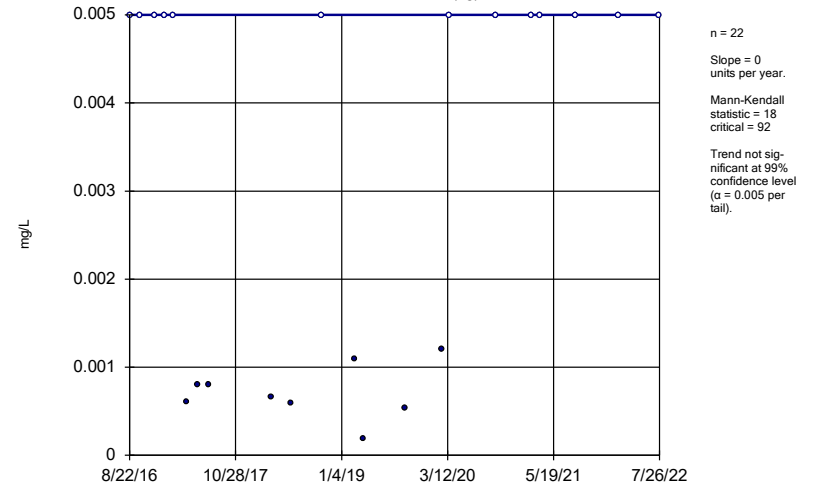
BGWA-2 (bg)



Constituent: Arsenic Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

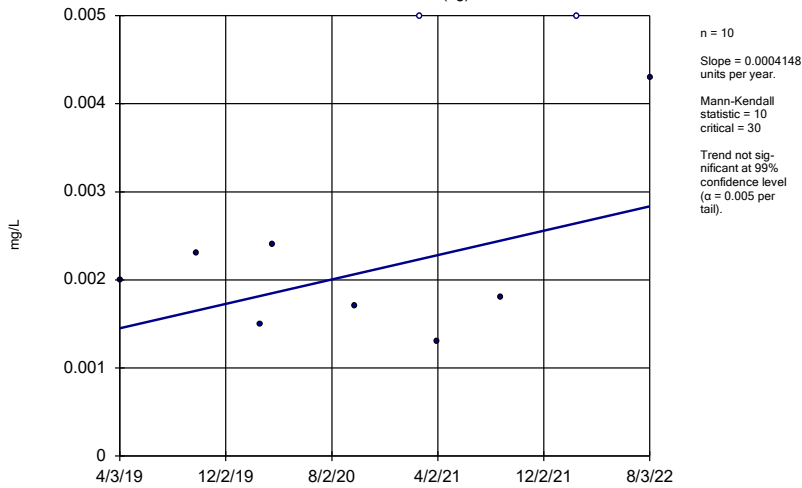
BGWA-29 (bg)



Constituent: Arsenic Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

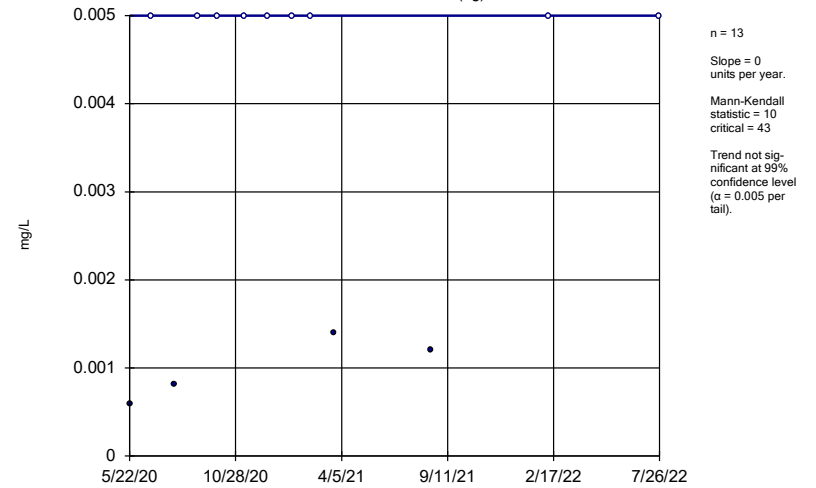
BGWA-33 (bg)



Constituent: Arsenic Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

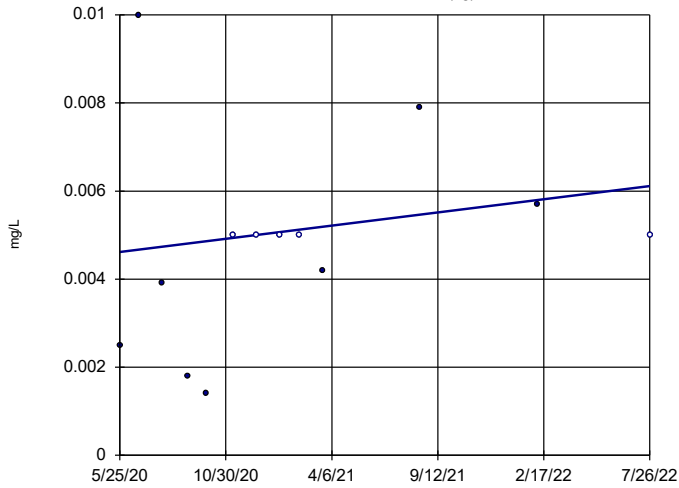
BGWA-47D (bg)



Constituent: Arsenic Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

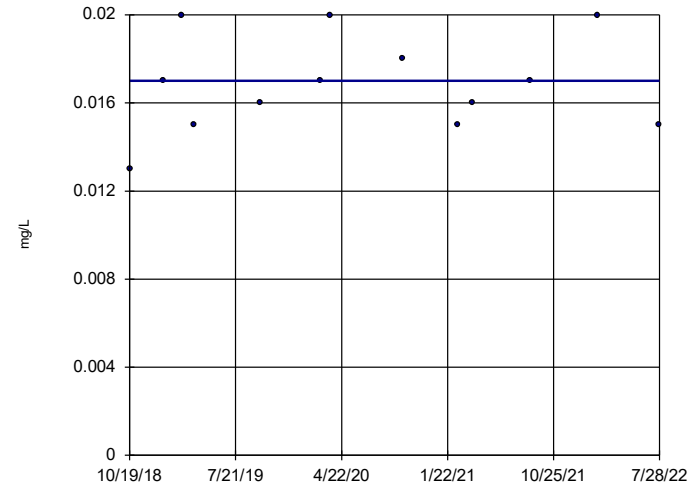


n = 13
Slope = 0.0006897
units per year.
Mann-Kendall
statistic = 22
critical = 43
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Arsenic Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-34D

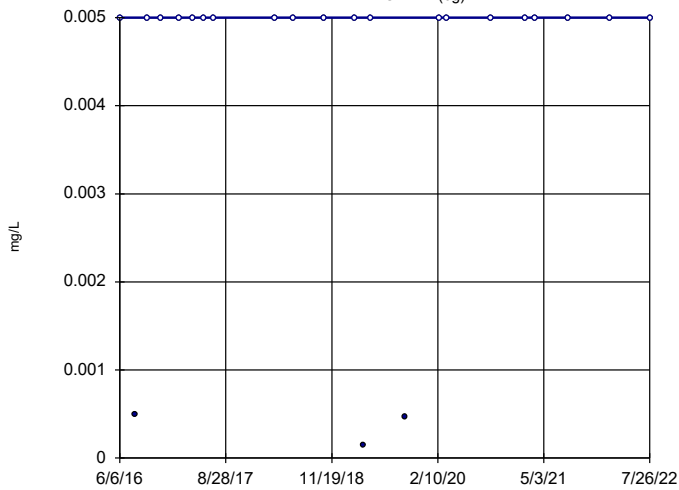


n = 13
Slope = 0
units per year.
Mann-Kendall
statistic = 8
critical = 43
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Arsenic Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-2 (bg)

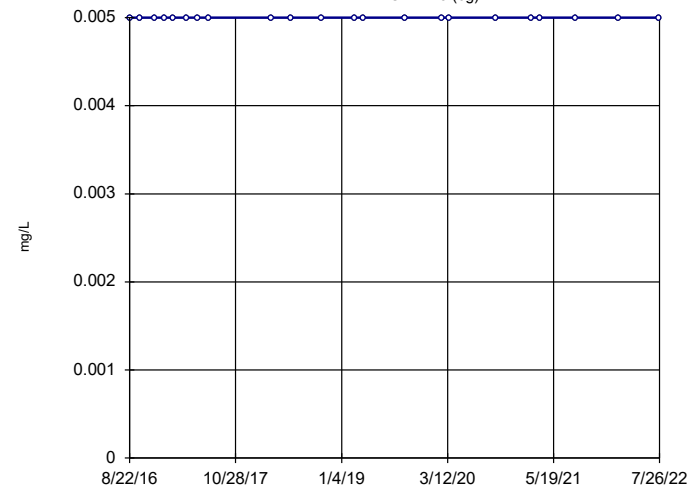


n = 23
Slope = 0
units per year.
Mann-Kendall
statistic = 11
critical = 98
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-29 (bg)

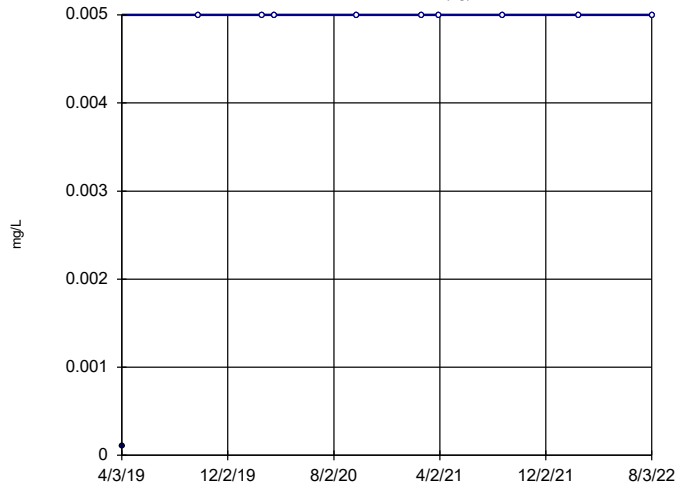


n = 22
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 92
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-33 (bg)

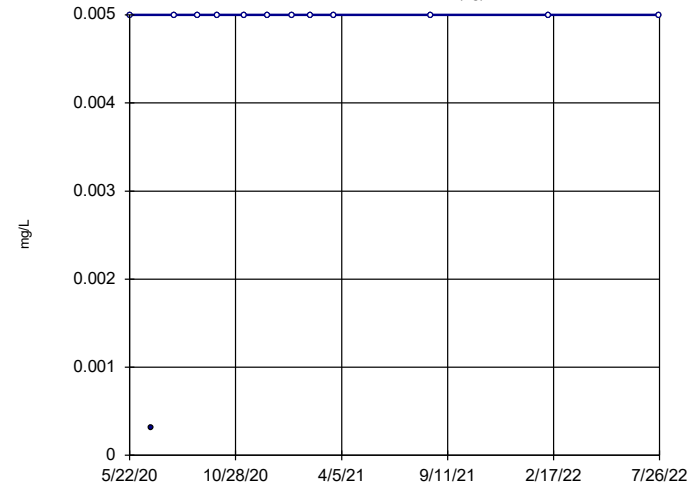


n = 10
Slope = 0
units per year.
Mann-Kendall
statistic = 9
critical = 30
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-47D (bg)

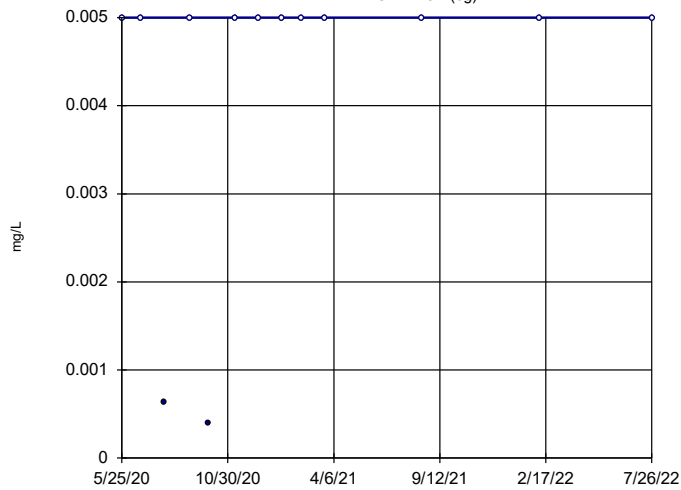


n = 13
Slope = 0
units per year.
Mann-Kendall
statistic = 10
critical = 43
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWA-48D (bg)

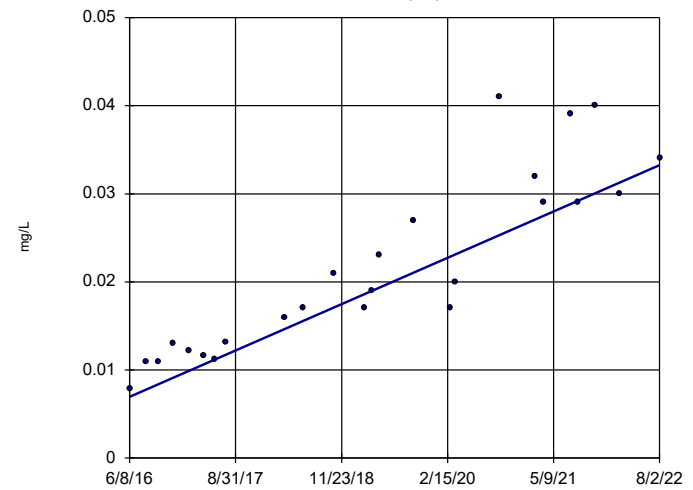


n = 13
Slope = 0
units per year.
Mann-Kendall
statistic = 11
critical = 43
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-22

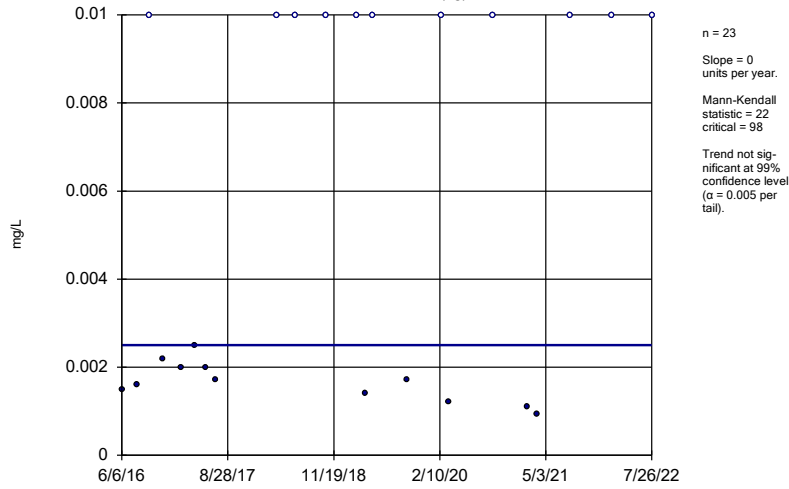


n = 25
Slope = 0.004271
units per year.
Mann-Kendall
statistic = 236
critical = 111
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Cobalt Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

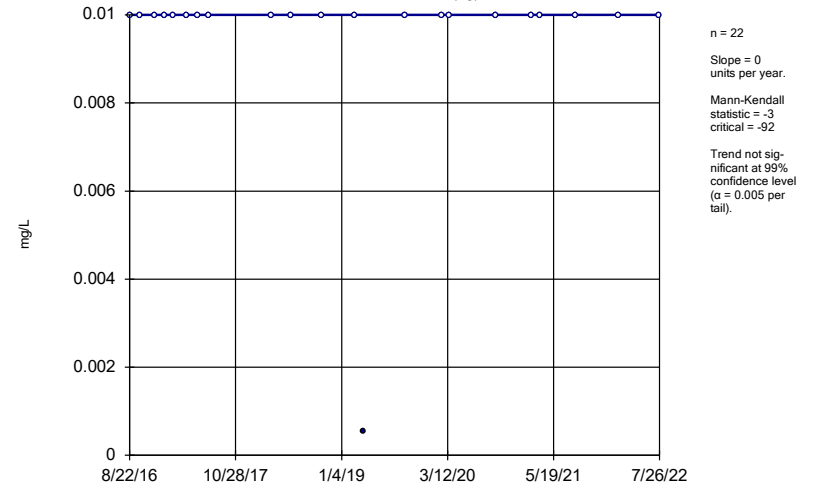
BGWA-2 (bg)



Constituent: Molybdenum Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

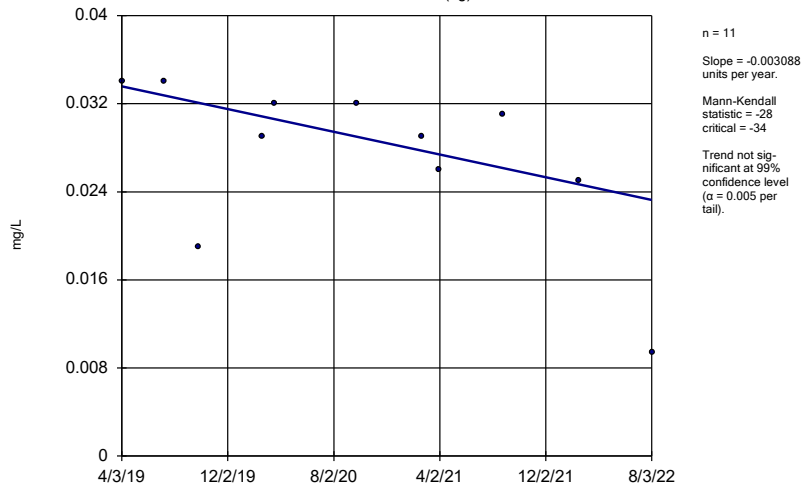
BGWA-29 (bg)



Constituent: Molybdenum Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

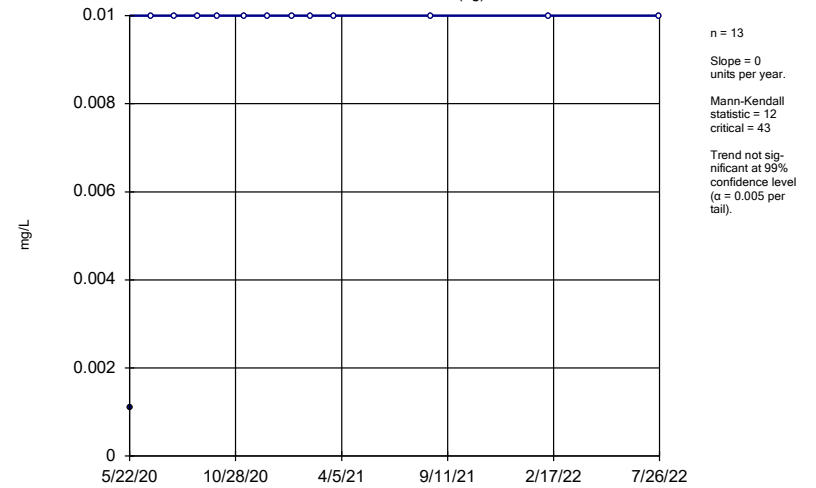
BGWA-33 (bg)



Constituent: Molybdenum Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

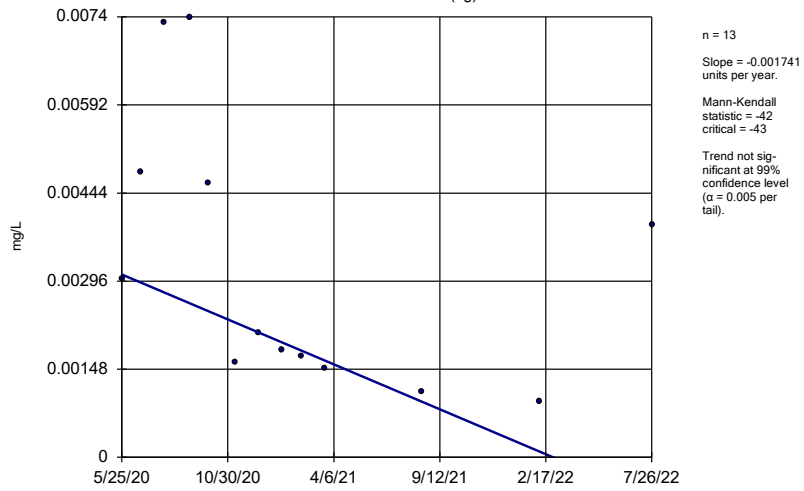
BGWA-47D (bg)



Constituent: Molybdenum Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

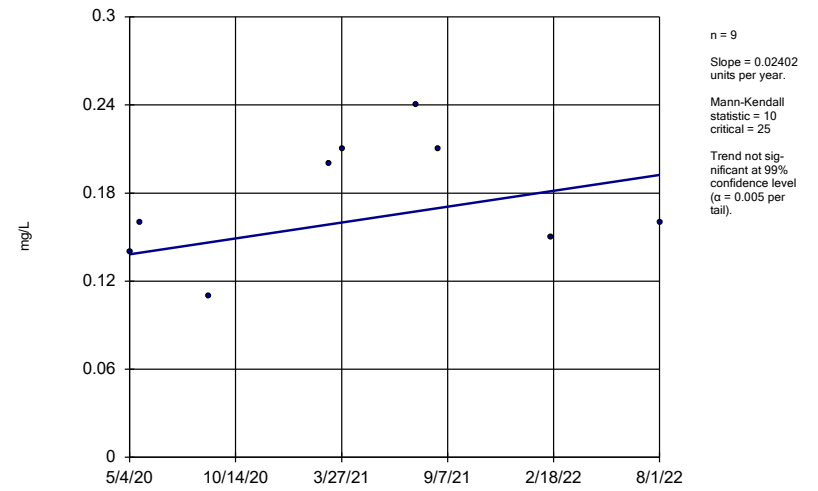
BGWA-48D (bg)



Constituent: Molybdenum Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

Sen's Slope Estimator

BGWC-43D

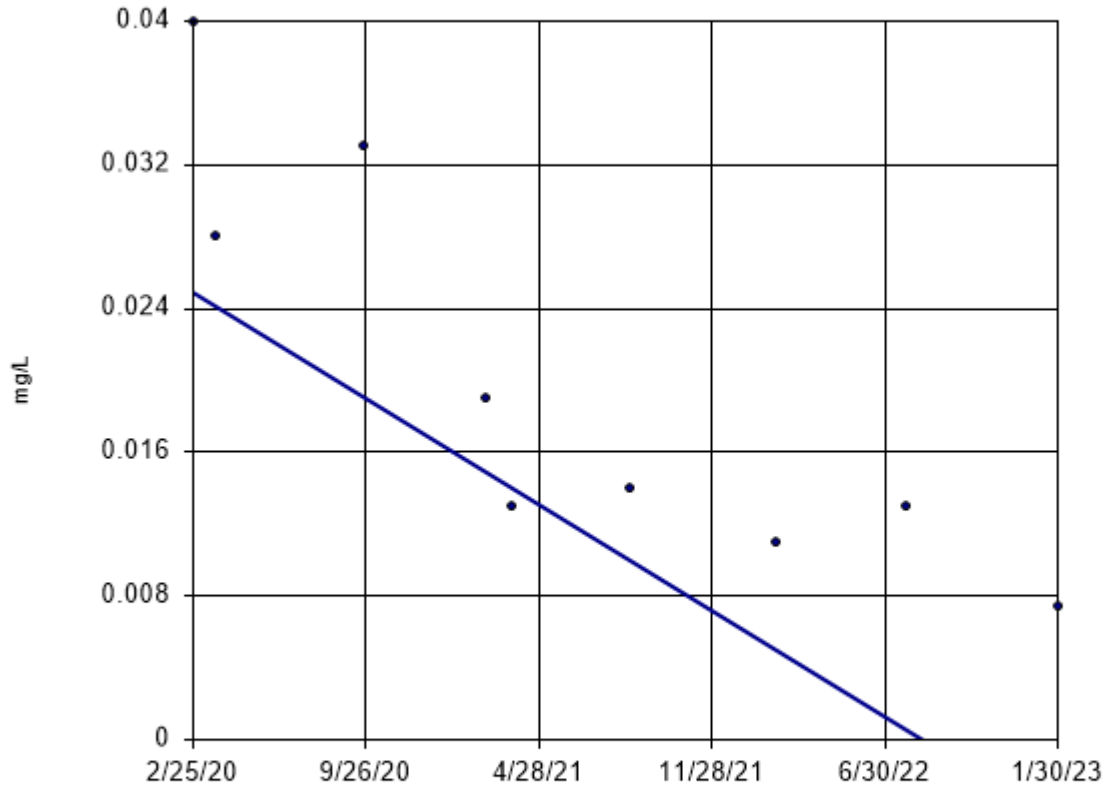


Constituent: Molybdenum Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests
Plant Bowen Client: Southern Company Data: Bowen AP-1

APPENDIX B

Trend Analysis for As in BGWC-37D

Sen's Slope Estimator BGWC-37D



n = 9
 Slope = -0.01007
 units per year.
 Mann-Kendall
 statistic = -29
 critical = -25
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Arsenic Analysis Run 3/23/2023 10:20 AM

Plant Bowen Client: Georgia Power Company Data: Bowen AP-1_2016-2017 BKG_unval

MANN-KENDALL / SEN'S SLOPE TREND EVALUATION

GEORGIA POWER COMPANY
 PLANT BOWEN AP-1
 BARTOW COUNTY, GEORGIA

Prepared For:

Prepared By:



Figure

B

KENNESAW, GA

MAY 2023

APPENDIX F

Potable Well Survey Report

Plant Bowen

17 Covered Bridge Rd SW
Cartersville, GA 30120

Inquiry Number: 07486321.1r
November 01, 2023

The EDR GeoCheck® Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Physical Setting Source Records Searched	PSGR-1

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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GEOCHECK® - PHYSICAL SETTING SOURCE REPORT

TARGET PROPERTY ADDRESS

PLANT BOWEN
17 COVERED BRIDGE RD SW
CARTERSVILLE, GA 30120

TARGET PROPERTY COORDINATES

Latitude (North): 34.128956 - 34° 7' 44.24"
Longitude (West): 84.929584 - 84° 55' 46.50"
Universal Tranverse Mercator: Zone 16
UTM X (Meters): 690928.9
UTM Y (Meters): 3778195.5
Elevation: 712 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 34084-B8 KINGSTON, GA
Version Date: 1972

South Map: 34084-A8 TAYLORSVILLE, GA
Version Date: 1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

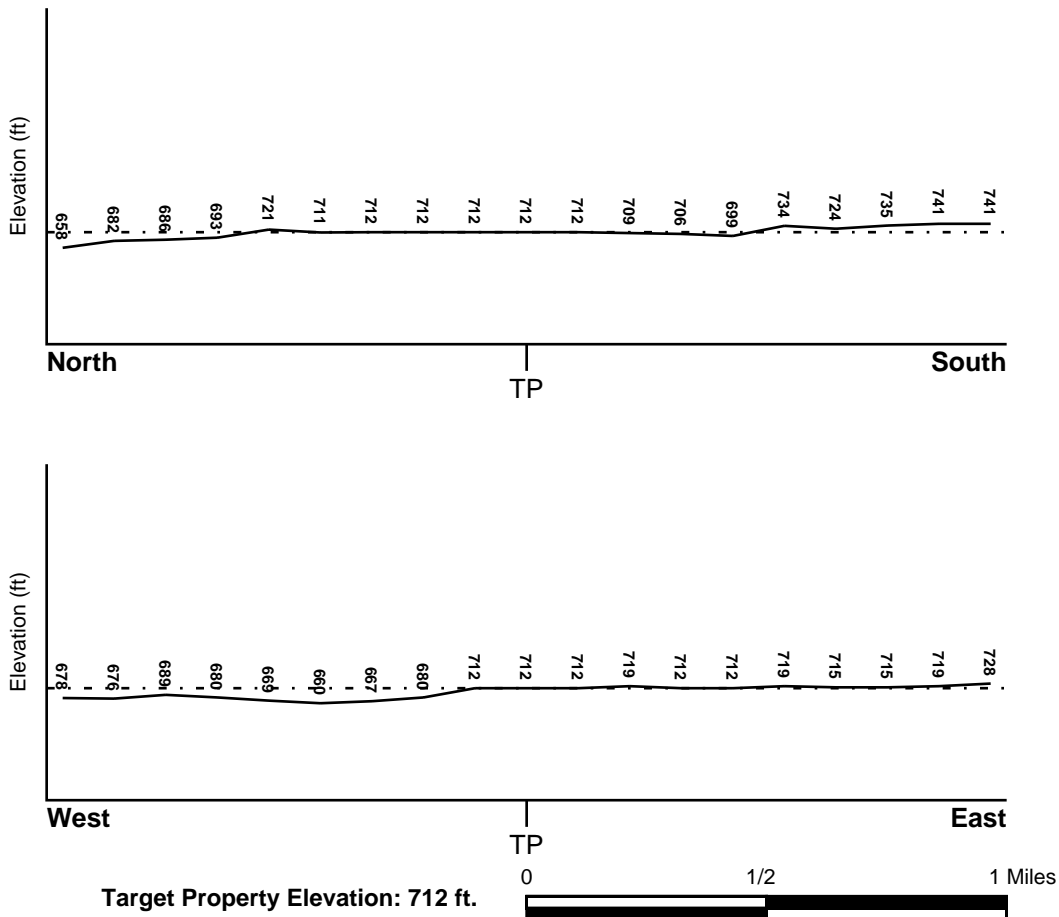
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
13015C0245G	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
13015C0240G	FEMA FIRM Flood data
13233C0125D	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
KINGSTON	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Paleozoic
System: Ordovician
Series: Ordovician
Code: O (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: TALLAPOOSA
Soil Surface Texture: gravelly - silt loam
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 20 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	4 inches	gravelly - silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 5.00 Min: 4.50
2	4 inches	10 inches	gravelly - loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 2.00 Min: 0.60	Max: 5.00 Min: 4.50
3	10 inches	19 inches	gravelly - loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 5.00 Min: 4.50
4	19 inches	60 inches	weathered bedrock	Not reported	Not reported	Max: 0.06 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinator soil types may appear within the general area of target property.

Soil Surface Textures: loam
silt loam

Surficial Soil Types: loam
silt loam

Shallow Soil Types: silt loam
sandy clay loam

Deeper Soil Types: loamy fine sand
stratified

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	2.000
Federal FRDS PWS	2.000
State Database	2.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000266609	1 - 2 Miles ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

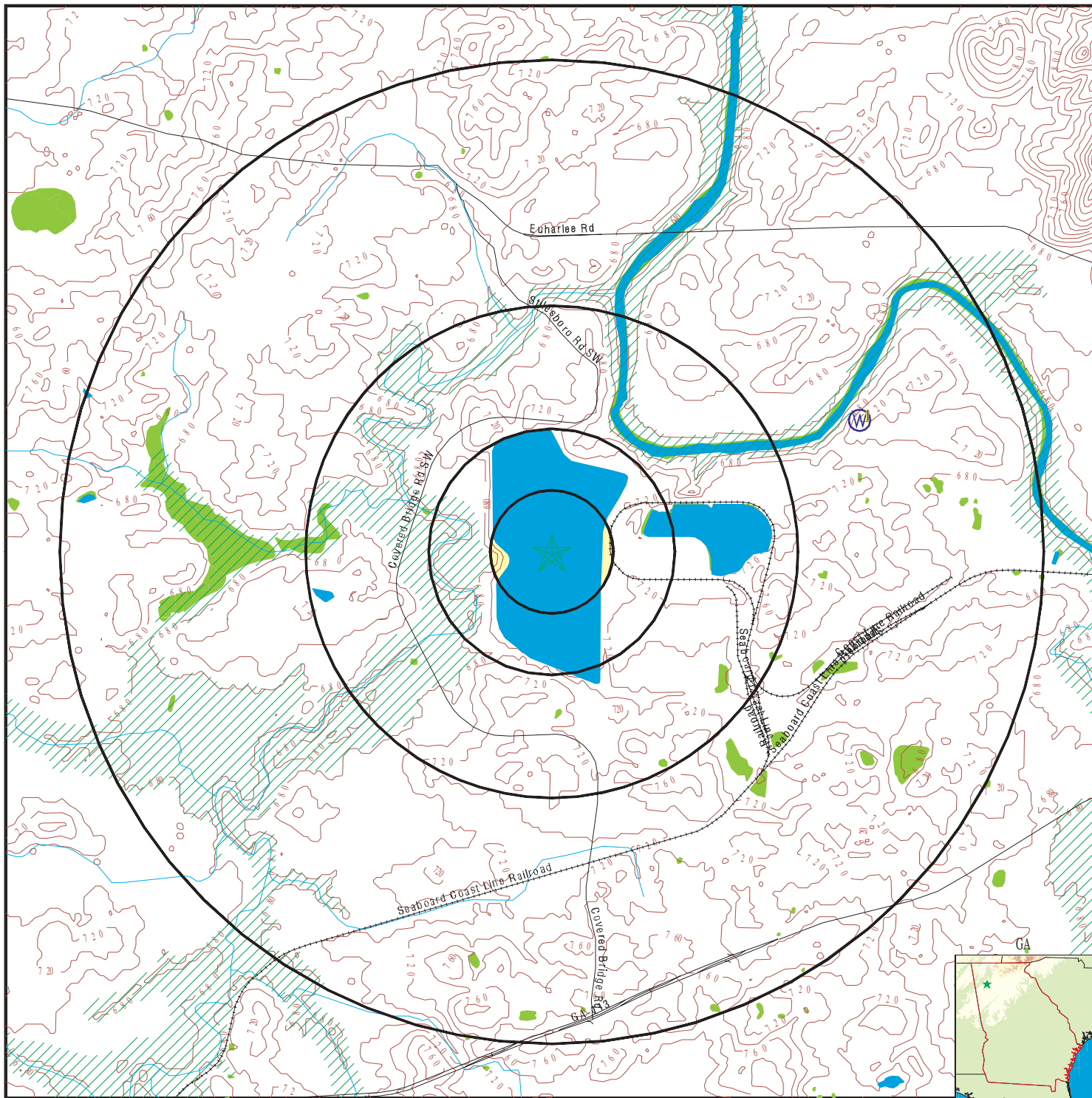
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 07486321.1r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Wildlife Areas
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory



SITE NAME: Plant Bowen
 ADDRESS: 17 Covered Bridge Rd SW
 Cartersville GA 30120
 LAT/LONG: 34.128956 / 84.929584

CLIENT: Geosyntec Consultants
 CONTACT: Anthony Szwast
 INQUIRY #: 07486321.1r
 DATE: November 01, 2023 3:20 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
ENE
1 - 2 Miles
Higher

FED USGS USGS40000266609

Organization ID:	USGS-GA	Organization Name:	USGS Georgia Water Science Center
Monitor Location:	06HH05	Type:	Well
Description:	Not Reported	HUC:	03150104
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for BARTOW County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 30120

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.720 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	3.833 pCi/L	67%	33%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory

Source: Georgia GIS Clearinghouse

Telephone: 706-542-1581

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

A listing of Private Water Well locations

Georgia Department of Public Health

Telephone: (404) 657-2700

A listing of Private Water Well locations

Georgia Public Supply Wells

Source: Georgia Department of Community Affairs

Telephone: 404-894-0127

USGS Georgia Water Wells

Source: USGS, Georgia District Office

Telephone: 770-903-9100

DNR Managed Lands

Source: Department of Natural Resources

Telephone: 706-557-3032

This dataset provides 1:24,000-scale data depicting boundaries of land parcels making up the public lands managed by the Georgia Department of Natural Resources (GDNR). It includes polygon representations of State Parks, State Historic Parks, State Conservation Parks, State Historic Sites, Wildlife Management Areas, Public Fishing Areas, Fish Hatcheries, Natural Areas and other specially-designated areas. The data were collected and located by the Georgia Department of Natural Resources. Boundaries were digitized from survey plats or other information.

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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