



Prepared for

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

# **2023 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT**

## **PLANT BOWEN ASH POND 1 (AP-1)**

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### CERTIFICATION STATEMENT

This 2023 *Semiannual 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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Date



## SUMMARY

This summary of the 2023 *Semiannual Groundwater Monitoring and Corrective Action Report* provides the status of groundwater monitoring and corrective action program for the reporting period of January through June 2023 (referred to herein as the “semiannual 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 6<sup>1</sup> 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

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<sup>1</sup> 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 semiannual reporting period, the Site remained in assessment monitoring as corrective measures are being evaluated.

During the semiannual reporting period, Geosyntec conducted a groundwater sampling event in January 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 semiannual reporting period were evaluated in accordance with the certified statistical methods. The evaluations identified statistically significant values of select Appendix III<sup>2</sup> and Appendix IV<sup>3</sup> constituents in excess of established groundwater protection standards (GWPS) in select monitoring wells, as summarized in the table below for the semiannual reporting period.

An Alternate Source Demonstration (ASD) submitted in January 2021<sup>4</sup> to address the statistically significant level (SSL) of arsenic in assessment well BGWC-34D was approved by GA EPD on August 18, 2021. A second ASD was submitted to GA EPD on May 1, 2023<sup>5</sup>, to address the SSL of arsenic in assessment well BGWC-37D.

Based on a review of the Appendix III and Appendix IV statistical results completed for the groundwater monitoring and corrective action program for the semiannual 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.

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<sup>2</sup> Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids

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

<sup>4</sup> ASD submitted under separate cover on January 29, 2021, and as an appendix to the *2020 Annual Groundwater Monitoring and Corrective Action Report – Plant Bowen Ash Pond 1 (AP-1)* (Geosyntec, 2021a).

<sup>5</sup> ASD submitted under separate cover on May 1, 2023 (Geosyntec, 2023b).

<b>Appendix III Constituent</b>	<b>January 2023</b>
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
Calcium	BGWC-7, BGWC-12, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24
Chloride	BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30
pH	BGWC-7, BGWC-16, BGWC-18, BGWC-19, BGWC-22
Sulfate	BGWC-7, BGWC-10, BGWC-12, BGWC-14A, BGWC-16, BGWC-17, BGWC-20, BGWC-22, BGWC-23, BGWC-24
Total Dissolved Solids	BGWC-7, BGWC-12, BGWC-14A, BGWC-16, BGWC-20, BGWC-22, BGWC-23, BGWC-24, BGWC-30
<b>Appendix IV Constituent<sup>6</sup></b>	<b>January 2023</b>
Arsenic	BGWC-34D
Cobalt	BGWC-22
Molybdenum	BGWC-43D

<sup>6</sup> An SSL-related constituent is determined by comparing the confidence intervals developed to either the constituent's 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.

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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
HAR	Hydrogeologic Assessment Report
<i>i</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 Semiannual 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 June 2023 (referred to herein as the “semiannual 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, 2023a) 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, 2023b).

## **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 semiannual 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

No additional detection monitoring wells, assessment wells, or piezometers were installed during this semiannual reporting period.

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 2023, the networks were inspected and necessary corrective actions were identified and subsequently completed, as documented in **Appendix A**. 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 statically 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.

Since initiating the ACM, Georgia Power has undertaken multiple ACM-specific field investigations and data evaluation efforts to characterize the nature and extent of cobalt and molybdenum in groundwater at AP-1 pursuant to the federal CCR Rule and GA EPD Rules. Separate from the ACM efforts, an ASD was prepared and submitted to GA EPD on January 29, 2021, to address the arsenic SSL reported for BGWC-34D; the ASD was approved by GA EPD on August 18, 2021 (Geosyntec, 2021b). A second ASD was submitted to GA EPD on May 1, 2023, to address the arsenic SSL reported for BGWC-37D (Geosyntec, 2023b) following the second 2022 semiannual assessment monitoring event. Additional details of the ASDs are presented in Section 5.

In support of the routine assessment monitoring program, the first semiannual assessment monitoring event was conducted in January 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 and the January 2023 sample result is being evaluated as a statistical outlier. The wells sampled and the dates the samples were collected at AP-1 during the semiannual 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 B**.

A pre-design investigation (PDI) was initiated in June 2023 to characterize and refine the proposed in-situ injection treatment area proximal to BGWC-22. The PDI will be implemented in multiple phases, with the first phase initiated in June focusing on characterizing bedrock lithology, voids, and other karst features in the immediate vicinity of BGWC-22 to better inform subsequent phases of investigation, as needed. This phase of PDI activities include borehole drilling and downhole geophysical testing, discrete groundwater and soil/fracture infill sample collection, and hydraulic testing. Data

collected during the PDI will inform the injection pilot study. The pilot study will assess injectate distribution and efficacy under field conditions prior to field scale implementation and will be detailed in a forthcoming pilot study workplan that will be submitted to GA EPD.

### 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 semiannual 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 2023 assessment monitoring event and used to calculate the corresponding groundwater elevations, which are presented in **Table 3**. The January 2023 elevations are generally representative of the groundwater elevations reported for prior monitoring events.

Surface water elevations were recorded along the Etowah River and Euharlee Creek using transducers installed at the locations indicated on **Figure 2**.

The groundwater and surface water elevation data were used to prepare a potentiometric surface map for the January 2023 event, which is presented on **Figure 3**. 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 2023 gauging event, 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**. The calculated average hydraulic gradient along the northwest, west, and south/southwest flow paths for the semiannual reporting period are 0.012 feet per foot (ft/ft), 0.012 ft/ft, and 0.027 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  $\left(\frac{\text{feet}}{\text{day}}\right)$

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

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

$h_1$  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  $3.0 \times 10^{-2}$  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, 0.09 ft/day, and 0.22 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 1.27 ft/day, 1.27 ft/day, and 3.00 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%.
- $\pm$  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 semiannual reporting period are provided in **Appendix B**.

### **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 B**. The groundwater results from the semiannual 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 data are considered usable for meeting project objectives, and the results are considered valid. The associated data validation reports are provided in **Appendix B** 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 semiannual reporting period. The data were analyzed by Groundwater Stats Consulting (GSC); the reports generated from the analyses are provided in **Appendix C**.

### 4.1 Statistical Methods

Groundwater data from the semiannual 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 C** 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 statistically significant increases (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 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 C**, 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 semiannual 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 C**). A statistically significant increasing trend of cobalt was identified during this reporting period in BGWC-22. No statistically significant trends were identified for arsenic in BGWC-34D and molybdenum in BGWC-43D.

### **4.2.2 Summary of Statistical Analyses**

The SSLs identified for the semiannual 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, as explained in Section 5 below.

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 2023 event was used to generate the cobalt and molybdenum iso-concentration maps presented on **Figures 4** and **5**, respectively.

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 D**.

## 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

Georgia Power submitted a *Draft Remedy Selection Report* to GA EPD in February 2023 (Geosyntec, 2023a), which 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.

For this current semiannual groundwater monitoring report, the *Draft Remedy Selection Report* was submitted in lieu of the *Semiannual Remedy Selection and Design Progress Report* (semiannual progress report) typically included in the appendix of the routine groundwater monitoring reports. As described in Section 2.3, 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.

## 7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2023 Semiannual 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 semiannual reporting period identified SSLs of arsenic, cobalt, and molybdenum in select AP-1 monitoring wells. 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, 2023b).

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, 2023a). The next routine semiannual assessment monitoring event for AP-1 is tentatively scheduled for August 2023. Progress made regarding the corrective action design evaluation will be documented in the next groundwater monitoring and corrective action report.



## 8.0 REFERENCES

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# TABLES

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

Well ID	Hydraulic Location	Installation Date	Northing <sup>(1)</sup>	Easting <sup>(1)</sup>	Ground Surface Elevation (ft)	Top of Casing Elevation <sup>(2)</sup> (ft)	Top of Screen Elevation <sup>(2)</sup> (ft)	Bottom of Screen Elevation <sup>(2)</sup> (ft)	Well Depth (ft BTOC) <sup>(3)</sup>	Screen Interval Length
<b>Detection Monitoring Well</b>										
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	638.83	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
<b>Assessment Monitoring Well</b>										
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 <sup>(1)</sup>	Easting <sup>(1)</sup>	Ground Surface Elevation (ft)	Top of Casing Elevation <sup>(2)</sup> (ft)	Top of Screen Elevation <sup>(2)</sup> (ft)	Bottom of Screen Elevation <sup>(2)</sup> (ft)	Well Depth (ft BTOC) <sup>(3)</sup>	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
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.
- (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.
- (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	Status of Monitoring Well
<b>Purpose of Sampling Event:</b>		<b>Semiannual</b>	<b>Supplemental</b>	
<b><i>Detection Monitoring Well</i></b>				
BGWA-2	Upgradient	X	--	Assessment
BGWA-29	Upgradient	X	--	Assessment
BGWA-33	Upgradient	X	--	Assessment
BGWA-47D	Upgradient	X	--	Assessment
BGWA-48D	Upgradient	X	--	Assessment
BGWC-7	Downgradient	X	--	Assessment
BGWC-8	Downgradient	X	--	Assessment
BGWC-9	Downgradient	X	--	Assessment
BGWC-10	Downgradient	X	--	Assessment
BGWC-12	Downgradient	X	--	Assessment
BGWC-14A	Downgradient	X	--	Assessment
BGWC-16	Downgradient	X	--	Assessment
BGWC-17	Downgradient	X	--	Assessment
BGWC-18	Downgradient	X	--	Assessment
BGWC-19	Downgradient	X	--	Assessment
BGWC-20	Downgradient	X	--	Assessment
BGWC-21	Downgradient	X	--	Assessment
BGWC-22	Downgradient	X	--	Assessment
BGWC-23	Downgradient	X	X	Assessment
BGWC-24	Downgradient	X	--	Assessment
BGWC-25	Downgradient	X	--	Assessment
BGWC-30	Downgradient	X	--	Assessment
BGWC-51	Downgradient	X	--	Assessment
BGWC-52	Downgradient	X	--	Assessment
<b><i>Assessment Monitoring Well</i></b>				
BGWA-6	Downgradient	X	--	Assessment
BGWC-31	Downgradient	X	--	Assessment
BGWC-32	Downgradient	X	--	Assessment
BGWC-34D	Downgradient	X	--	Assessment
BGWC-35D	Downgradient	X	--	Assessment
BGWC-36D	Downgradient	X	--	Assessment
BGWC-37D	Downgradient	X	--	Assessment
BGWC-38D	Downgradient	X	--	Assessment
BGWC-39	Downgradient	X	--	Assessment
BGWC-40	Downgradient	X	--	Assessment
BGWC-41D	Downgradient	X	--	Assessment
BGWC-42D	Downgradient	X	--	Assessment
BGWC-43D	Downgradient	X	--	Assessment
BGWC-44D	Downgradient	X	--	Assessment
BGWC-49D	Downgradient	X	--	Assessment
BGWC-50D	Downgradient	X	--	Assessment

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

Well ID	Top of Casing Elevation <sup>(1)</sup> (ft)	January 23, 2023	
		Depth to Water (ft BTOC)	Groundwater Elevation <sup>(1)</sup> (ft)
<b><i>Detection Monitoring Well</i></b>			
BGWA-2	729.69	50.19	679.50
BGWA-29	721.38	44.51	676.87
BGWA-33	743.25	69.43	673.82
BGWA-47D	729.61	50.23	679.38
BGWA-48D	729.38	50.21	679.17
BGWC-7	705.38	41.32	664.06
BGWC-8	706.43	41.89	664.54
BGWC-9	691.93	25.15	666.78
BGWC-10	686.06	22.50	663.56
BGWC-12	694.41	34.35	660.06
BGWC-14A	718.33	68.58	649.75
BGWC-16	674.31	12.61	661.70
BGWC-17	673.65	11.46	662.19
BGWC-18	672.88	9.10	663.78
BGWC-19	673.61	10.22	663.39
BGWC-20	675.14	12.76	662.38
BGWC-21	691.33	18.99	672.34
BGWC-22	695.50	27.27	668.23
BGWC-23	695.50	31.61	663.89
BGWC-24	702.27	13.82	688.45
BGWC-25	680.47	16.74	663.73
BGWC-30	701.06	23.73	677.33
BGWC-51	711.49	35.28	676.21
BGWC-52	710.75	34.61	676.14
<b><i>Assessment Monitoring Well</i></b>			
BGWA-6	716.93	39.95	676.98
BGWC-31	670.54	12.83	657.71
BGWC-32	699.36	34.96	664.40
BGWC-34D	675.17	12.85	662.32
BGWC-35D	695.73	30.06	665.67
BGWC-36D	701.01	23.81	677.20
BGWC-37D	696.05	30.33	665.72
BGWC-38D	700.34	23.16	677.18
BGWC-39	679.12	18.92	660.20
BGWC-40	689.59	22.16	667.43
BGWC-41D	679.12	18.43	660.69
BGWC-42D	696.90	31.17	665.73
BGWC-43D	700.10	22.96	677.14
BGWC-44D	717.30	40.58	676.72
BGWC-49D	699.75	23.03	676.72
BGWC-50D	717.43	42.07	675.36

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

Well ID	Top of Casing Elevation <sup>(1)</sup> (ft)	January 23, 2023	
		Depth to Water (ft BTOC)	Groundwater Elevation <sup>(1)</sup> (ft)
<i>Piezometer</i>			
BGWA-1	720.90	42.45	678.45
BGWA-3	724.28	49.35	674.93
BGWA-4 <sup>(2)</sup>	728.67	-	-
BGWA-5	720.92	45.49	675.43
BGWC-11	686.50	19.31	667.19
BGWC-13	717.43	67.34	650.09
BGWC-15	717.92	66.21	651.71
BGWA-26	728.65	56.76	671.89
BGWA-27	735.25	63.36	671.89
BGWA-28	737.45	65.43	672.02
PZ-1	677.87	28.91	648.96
PZ-2	668.25	12.47	655.78
PZ-3	707.97	57.99	649.98
PZ-4	718.74	52.71	666.03
PZ-5	700.12	28.00	672.12
PZ-6	678.32	11.27	667.05
PZ-7	675.51	17.03	658.48
PZ-8	680.72	22.35	658.37
APPZ-3R <sup>(3)</sup>	723.25	45.32	677.93
APPZ-5R <sup>(3)</sup>	781.01	118.83	662.18
MW-108 <sup>(3)</sup>	715.27	37.62	677.65
MW-4A <sup>(3)</sup>	715.08	48.11	666.97
<i>Surface Water <sup>(4)</sup></i>			
Etowah River	-	-	645.84
Euharlee Creek	676.50	-	658.06
General Service Water Pond	-	-	706.07

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.

(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.



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

January 23, 2023				
Flow Path Direction <sup>(1)</sup>	h <sub>1</sub> (ft)	h <sub>2</sub> (ft)	L (ft)	i (ft/ft)
Northwest Flow Path (APPZ-5R to BGWC-14A)	662.18	649.75	1,080	0.012
West Flow Path (APPZ-3R to BGWC-25)	677.93	663.73	1,230	0.012
South/Southwest Flow Path (BGWC-24 to BGWC-40)	688.45	667.43	770	0.027

Flow Path Direction <sup>(1)</sup>	Geometric Mean K <sub>h</sub> (ft/day)	Maximum K <sub>h</sub> (ft/day)	n <sub>e</sub>	i (ft/ft)	V with Geometric Mean K <sub>h</sub> (ft/day) <sup>(2)</sup>	Maximum V (ft/day) <sup>(2)</sup>
Northwest Flow Path (APPZ-5R to BGWC-14A)	2.4	33	0.3	0.012	0.09	1.27
West Flow Path (APPZ-3R to BGWC-25)	2.4	33	0.3	0.012	0.09	1.27
South/Southwest Flow Path (BGWC-24 to BGWC-40)	2.4	33	0.3	0.027	0.22	3.00

Notes:

ft = feet

ft/day = feet per day

ft/ft = feet per foot

h<sub>1</sub> and h<sub>2</sub> = groundwater elevation at location 1 and 2

i = h<sub>1</sub>-h<sub>2</sub>/L = horizontal hydraulic gradient

K<sub>h</sub> = horizontal hydraulic conductivity

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

n<sub>e</sub> = 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-29	BGWA-33	BGWA-47D	BGWA-48D	BGWC-7	BGWC-8	BGWC-9	BGWC-10	BGWC-12	BGWC-14A	BGWC-16	BGWC-17	BGWC-18	BGWC-19	BGWC-20	BGWC-21	
Sample Date:	1/24/2023	1/24/2023	2/2/2023	1/24/2023	1/24/2023	1/26/2023	1/26/2023	1/26/2023	1/27/2023	1/26/2023	1/26/2023	1/26/2023	1/26/2023	1/26/2023	1/27/2023	1/30/2023	1/27/2023	
Parameter <sup>(1,2)</sup>																		
<b>APPENDIX III</b>	<b>Boron</b>	0.010 J	<0.0086	0.0092 J	0.016 J	0.014 J	1.0	0.051	0.41	0.53	1.3	0.69	1.6	1.0	0.45	0.18	4.7	0.026 J
	<b>Calcium</b>	51.4	21.0	81.4	109	40.7	146	42.8	62.4	64.0	178	117	178	76.2	41.4	39.3	309	46.5
	<b>Chloride</b>	3.4	1.5	3.4	5.2	4.3	7.5	1.7	7.5	28.2	14.5	10.9	18.3	34.0	5.9	3.1	156	6.1
	<b>Fluoride</b>	0.055 J	0.052 J	0.077 J	0.050 J	0.076 J	0.15	0.063 J	0.090 J	0.058 J	0.083 J	0.084 J	0.091 J	0.13	0.056 J	0.077 J	0.064 J	<0.050
	<b>pH <sup>(3)</sup></b>	7.32	7.77	6.70	6.72	7.32	6.63	7.34	7.04	7.02	6.68	6.91	6.56	7.21	6.20	6.61	7.18	7.76
	<b>Sulfate</b>	12.5	1.4	7.3	67.2	22.4	253	24.3	63.6	97.3	463	213	490	110	58.3	38.2	622	55.3
	<b>TDS</b>	223	129	368	391	280	657	190	301	380	995	554	895	396	197	200	1280	342
<b>APPENDIX IV</b>	<b>Antimony</b>	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	
	<b>Arsenic</b>	<0.0022	<0.0022	0.010	<0.0022	<0.0022	0.0025 J	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022	<0.0022
	<b>Barium</b>	0.10	0.012	0.085	0.059	0.024	0.029	0.029	0.027	0.040	0.052	0.025	0.033	0.015	0.034	0.023	0.036	0.021
	<b>Beryllium</b>	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	0.00015 J	<0.000054	0.00010 J	<0.000054	<0.000054	<0.000054
	<b>Cadmium</b>	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011	0.0021	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
	<b>Chromium</b>	0.0011 J	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	0.0014 J	0.0021 J	<0.0011	0.0018 J	0.0014 J	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	<b>Cobalt</b>	<0.00039	<0.00039	0.00051 J	<0.00039	<0.00039	0.00068 J	<0.00039	<0.00039	0.00051 J	0.00045 J	0.0033 J	0.0098	<0.00039	<0.00039	<0.00039	<0.00039	0.0021 J
	<b>Fluoride</b>	0.055 J	0.052 J	0.077 J	0.050 J	0.076 J	0.15	0.063 J	0.090 J	0.058 J	0.083 J	0.084 J	0.091 J	0.13	0.056 J	0.077 J	0.064 J	<0.050
	<b>Lead</b>	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089
	<b>Lithium</b>	<0.00073	<0.00073	<0.00073	<0.00073	<0.00073	0.0065 J	<0.00073	0.0018 J	0.00082 J	0.0013 J	0.00077 J	<0.00073	<0.00073	<0.00073	<0.00073	0.059	<0.00073
	<b>Mercury</b>	<0.00013	<0.00013	<0.00013	0.00022	<0.00013	<0.00013	<0.00013	0.00013 J	0.00018 J	0.00013 J	<0.00013	0.00015 J	0.00027	<0.00013	0.00018 J	<0.00013	0.00021
	<b>Molybdenum</b>	<0.00074	<0.00074	0.0077 J	<0.00074	0.0070 J	0.0096 J	0.00095 J	0.0020 J	0.0025 J	<0.00074	0.0016 J	<0.00074	<0.00074	<0.00074	<0.00074	0.035	0.0030 J
	<b>Comb. Radium 226/228</b>	1.52	0.711 U	1.21	0.955 U	0.589 U	1.73	0.629 U	0.248 U	1.82	0.664 U	1.31	1.21 U	1.02 U	1.46	1.16	0.563 U	0.280 U
<b>Selenium</b>	<0.0014	<0.0014	<0.0014	0.0015 J	<0.0014	<0.0014	<0.0014	0.0015 J	<0.0014	<0.0014	<0.0014	0.0024 J	<0.0014	0.0022 J	<0.0014	<0.0014	<0.0014	
<b>Thallium</b>	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	0.00019 J	<0.00018	0.00018 J	<0.00018	<0.00018	0.00048 J	0.00023 J	<0.00018	0.00019 J	<0.00018	<0.00018	<0.00018	
<b>GEOCHEM</b>	<b>Bicarbonate Alkalinity</b>	213	92.1	367	301	226	307	155	216	178	318	243	138	158	102	132	104	172
	<b>Iron</b>	0.079	0.027 J	2.2	0.033 J	0.15	0.63	0.055	0.28	0.26	0.026 J	0.084	0.052	0.030 J	<0.025	0.14	0.18	0.12
	<b>Magnesium</b>	21.5	10.7	32.8	21.2	12.2	44.9	14.3	24.8	28.1	61.2	35.6	30.5	27.9	16.0	15.3	46.3	26.4
	<b>Manganese</b>	0.0051 J	0.0056 J	0.090	0.0099 J	0.018 J	0.024 J	<0.0043	0.028 J	0.035 J	0.0049 J	0.33	3.9	0.076	<0.0043	0.0056 J	0.77	0.0068 J
	<b>Potassium</b>	1.7	0.63	3.7	1.6	1.3	3.6	2.9	2.6	2.1	3.5	4.3	5.7	2.4	1.6	2.3	8.4	1.5
	<b>Sodium</b>	3.1	2.7	6.3	5.4	54.2	22.5	4.8	11.6	17.3	39.8	16.6	38.8	10.1	2.5	1.3	31.4	2.1

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-22	BGWC-23	BGWC-23	BGWC-24	BGWC-25	BGWC-30	BGWA-6	BGWC-31	BGWC-32	BGWC-34D	BGWC-35D	BGWC-36D	BGWC-37D	BGWC-38D	BGWC-39	BGWC-40	BGWC-41D		
Sample Date:	2/7/2023	2/2/2023	5/10/2023	2/1/2023	1/27/2023	2/1/2023	1/25/2023	1/27/2023	1/31/2023	1/30/2023	1/30/2023	2/1/2023	1/30/2023	2/7/2023	2/2/2023	1/31/2023	2/1/2023		
Parameter <sup>(1,2)</sup>																			
<b>APPENDIX III</b>	<b>Boron</b>	16.9	13.1	--	18.4	0.029 J	3.2	0.020 J	0.74	4.2	0.45	13.8	3.8	1.4	1.8	5.1	3.0	1.5	
	<b>Calcium</b>	583	543	--	552	48.8	113	68.4	75.9	256	121	607	132	112	61.3	267	133	228	
	<b>Chloride</b>	803	737	--	789	5.4	154	10.1	30.0	298	45.7	851	240	152	93.7	224	123	393	
	<b>Fluoride</b>	0.26	0.074 J	--	0.18	0.053 J	0.092 J	0.066 J	<0.050	0.13	0.060 J	0.17	0.13	0.16	0.11	0.098 J	0.084 J	0.084 J	
	<b>pH <sup>(3)</sup></b>	6.44	6.80	6.74	6.68	7.14	7.15	6.87	6.80	7.18	7.15	6.75	6.64	7.21	5.99	6.93	6.86	7.05	
	<b>Sulfate</b>	707	514	--	395	24.1	75.5	15.5	126	300	163	687	118	136	42.6	226	128	345	
	<b>TDS</b>	2490	2680	--	2550	310	745	312	433	1240	593	2720	948	720	348	1220	671	1500	
<b>APPENDIX IV</b>	<b>Antimony</b>	<0.00078	0.0070	0.0032	<0.00078	<0.00078	<0.00078	0.0017 J	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	0.00082 J	<0.00078	<0.00078	<0.00078	
	<b>Arsenic</b>	0.0028 J	0.010	--	0.0042 J	<0.0022	0.0024 J	<0.0022	0.0035 J	0.0040 J	0.014	0.0050 J	0.0032 J	0.0074	<0.0022	0.0048 J	0.0022 J	0.0084	
	<b>Barium</b>	0.058	0.088	--	0.052	0.015	0.062	0.064	0.042	0.10	0.055	0.059	0.058	0.087	0.11	0.039	0.047	0.071	
	<b>Beryllium</b>	0.00013 J	<0.000054	--	0.00031 J	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	0.000087 J	<0.000054	<0.000054	<0.000054
	<b>Cadmium</b>	0.0010	<0.00011	--	0.0032	<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
	<b>Chromium</b>	<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
	<b>Cobalt</b>	0.017	<0.00039	--	0.0024 J	<0.00039	<0.00039	0.00074 J	<0.00039	0.0029 J	0.0014 J	0.0029 J	<0.00039	<0.00039	0.0014 J	<0.00039	0.00046 J	0.00067 J	
	<b>Fluoride</b>	0.26	0.074 J	--	0.18	0.053 J	0.092 J	0.066 J	<0.050	0.13	0.060 J	0.17	0.13	0.16	0.11	0.098 J	0.084 J	0.084 J	
	<b>Lead</b>	<0.00089	<0.00089	--	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089
	<b>Lithium</b>	0.018 J	0.025 J	--	0.0063 J	<0.00073	0.0018 J	<0.00073	<0.00073	<0.00073	<0.00073	0.021 J	0.0013 J	0.0025 J	0.0011 J	0.0029 J	<0.00073	0.0019 J	
	<b>Mercury</b>	<0.00013	<0.00013	--	0.00059	0.00015 J	<0.00013	<0.00013	0.00014 J	<0.00013	0.00016 J	0.00014 J	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
	<b>Molybdenum</b>	0.032	0.0078 J	--	<0.00074	<0.00074	0.0058 J	<0.00074	<0.00074	0.0039 J	0.0011 J	0.035	0.0083 J	0.014	0.020	0.0035 J	<0.00074	0.0092 J	
	<b>Comb. Radium 226/228</b>	1.45	0.783 U	--	1.30	0.768 U	0.936	0.723	1.46	1.49	2.58	2.30	1.17	2.14	2.93	0.942 U	0.498 U	1.59	
<b>Selenium</b>	0.0016 J	0.0019 J	--	0.0060	<0.0014	0.010	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.0098	<0.0014	<0.0014	<0.0014	<0.0014	0.0097	0.0016 J	
<b>Thallium</b>	0.00080 J	0.00027 J	--	0.00035 J	<0.00018	<0.00018	0.00022 J	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	<0.00018	
<b>GEOCHEM</b>	<b>Bicarbonate Alkalinity</b>	85.3	140	--	146	242	161	305	219	186	246	120	113	169	73.6	222	214	118	
	<b>Iron</b>	0.072	0.28	--	<0.025	0.44	0.16	0.23	1.9	0.071	1.3	0.71	<0.025	0.58	<0.025	<0.025	0.092	0.99	
	<b>Magnesium</b>	81.1	114	--	75.5	23.2	36.0	31.0	36.4	69.0	32.7	116	44.0	46.6	22.2	36.9	40.1	95.6	
	<b>Manganese</b>	5.1	0.25	--	2.4	0.24	0.0090 J	0.28	0.15	0.15	0.017 J	0.70	0.024 J	0.031 J	0.14	<0.0043	<0.0043	0.038 J	
	<b>Potassium</b>	13.5	9.0	--	7.4	0.80	2.8	1.1	1.4	4.0	1.8	10.1	3.4	1.9	1.1	5.7	2.2	1.2	
<b>Sodium</b>	33.3	32.1	--	13.1	4.7	5.8	9.3	7.8	18.1	6.5	42.1	14.9	11.1	6.4	14.5	8.1	29.9		

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

Well ID:		BGWC-42D	BGWC-43D	BGWC-44D	BGWC-49D	BGWC-50D	BGWC-51	BGWC-52
Sample Date:		1/30/2023	2/7/2023	1/25/2023	2/1/2023	1/25/2023	1/31/2023	1/31/2023
Parameter <sup>(1,2)</sup>								
APPENDIX III	Boron	1.7	6.9	0.053	7.5	0.045	2.4	1.1
	Calcium	92.5	184	24.3	236	65.0	111	62.8
	Chloride	122	226	13.5	468	27.6	85.6	41.5
	Fluoride	0.64	0.97	0.28	0.085 J	0.16	0.15	0.14
	pH <sup>(3)</sup>	7.04	7.03	7.89	7.17	7.03	6.87	7.56
	Sulfate	121	167	11.7	232	268	135	77.2
	TDS	658	992	350	1820	659	664	286
APPENDIX IV	Antimony	<0.00078	<0.00078	<0.00078	<0.00078	0.0017 J	<0.00078	<0.00078
	Arsenic	0.0088	<0.0022	0.0043 J	0.0073	<0.0022	<0.0022	<0.0022
	Barium	0.13	0.059	0.012	0.055	0.067	0.011	0.032
	Beryllium	<0.000054	<0.000054	<0.000054	<0.000054	<0.000054	0.000072 J	<0.000054
	Cadmium	<0.00011	0.00014 J	<0.00011	<0.00011	<0.00011	<0.00011	<0.00011
	Chromium	<0.0011	<0.0011	0.0025 J	<0.0011	<0.0011	<0.0011	0.0016 J
	Cobalt	<0.00039	0.0016 J	<0.00039	0.00089 J	0.00066 J	<0.00039	0.0045 J
	Fluoride	0.64	0.97	0.28	0.085 J	0.16	0.15	0.14
	Lead	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089	<0.00089
	Lithium	<0.00073	0.016 J	0.0040 J	0.0042 J	0.0019 J	<0.00073	0.0011 J
	Mercury	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	0.00021	0.00018 J
	Molybdenum	0.0033 J	0.13	0.011	0.0072 J	0.0067 J	<0.00074	0.0087 J
	Comb. Radium 226/228	0.710 U	1.53	0.617 U	1.57	0.588 U	0.707 U	0.580 U
	Selenium	<0.0014	<0.0014	<0.0014	<0.0014	<0.0014	0.0058	<0.0014
Thallium	<0.00018	0.0011	<0.00018	<0.00018	<0.00018	<0.00018	0.00020 J	
GEOCHEM	Bicarbonate Alkalinity	318	144	321	104	273	160	103
	Iron	0.27	0.26	0.050	0.87	2.1	0.14	0.26
	Magnesium	34.2	42.1	13.4	92.3	27.6	24.7	13.5
	Manganese	0.080	1.2	0.026 J	0.29	0.099	0.0091 J	0.34
	Potassium	2.9	4.4	2.1	3.4	1.6	5.4	2.8
	Sodium	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 <sup>(1)</sup>	Background Limit <sup>(2)</sup>	GWPS <sup>(3,4)</sup>
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	1.67	5

Notes:

CCR = Coal Combustion Residuals

GWPS = Groundwater Protection Standard

MCL = Maximum Contaminant Level

mg/L = milligrams per liter

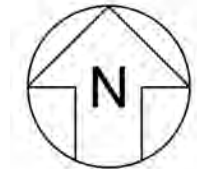
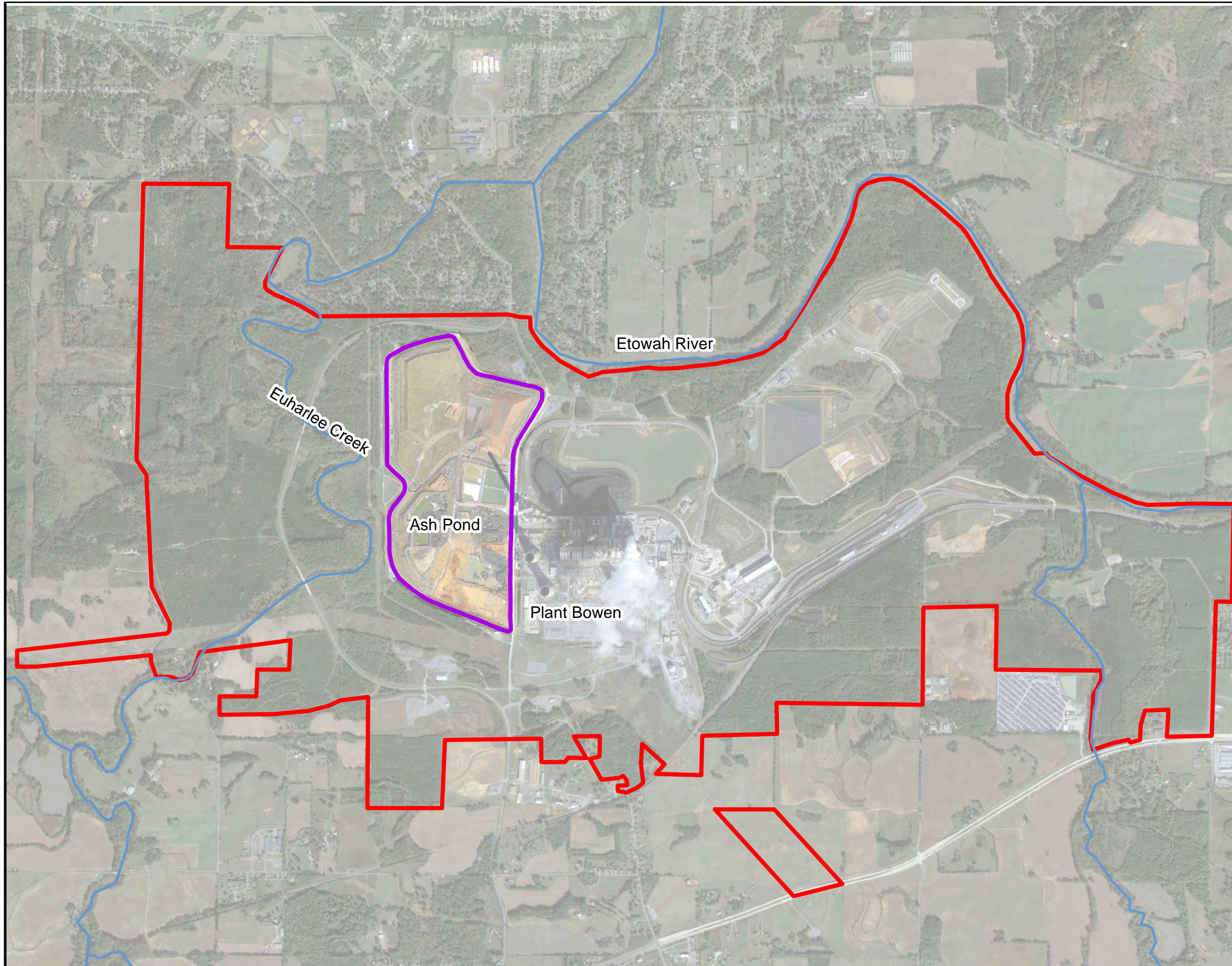
N/A = Not Applicable

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 2023 sampling event.

# FIGURES



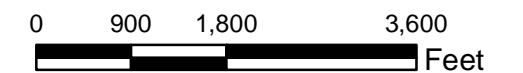


**LEGEND**

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



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



**SITE LOCATION MAP**

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

Prepared For: Georgia Power

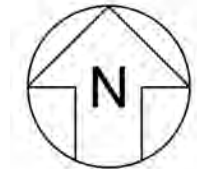
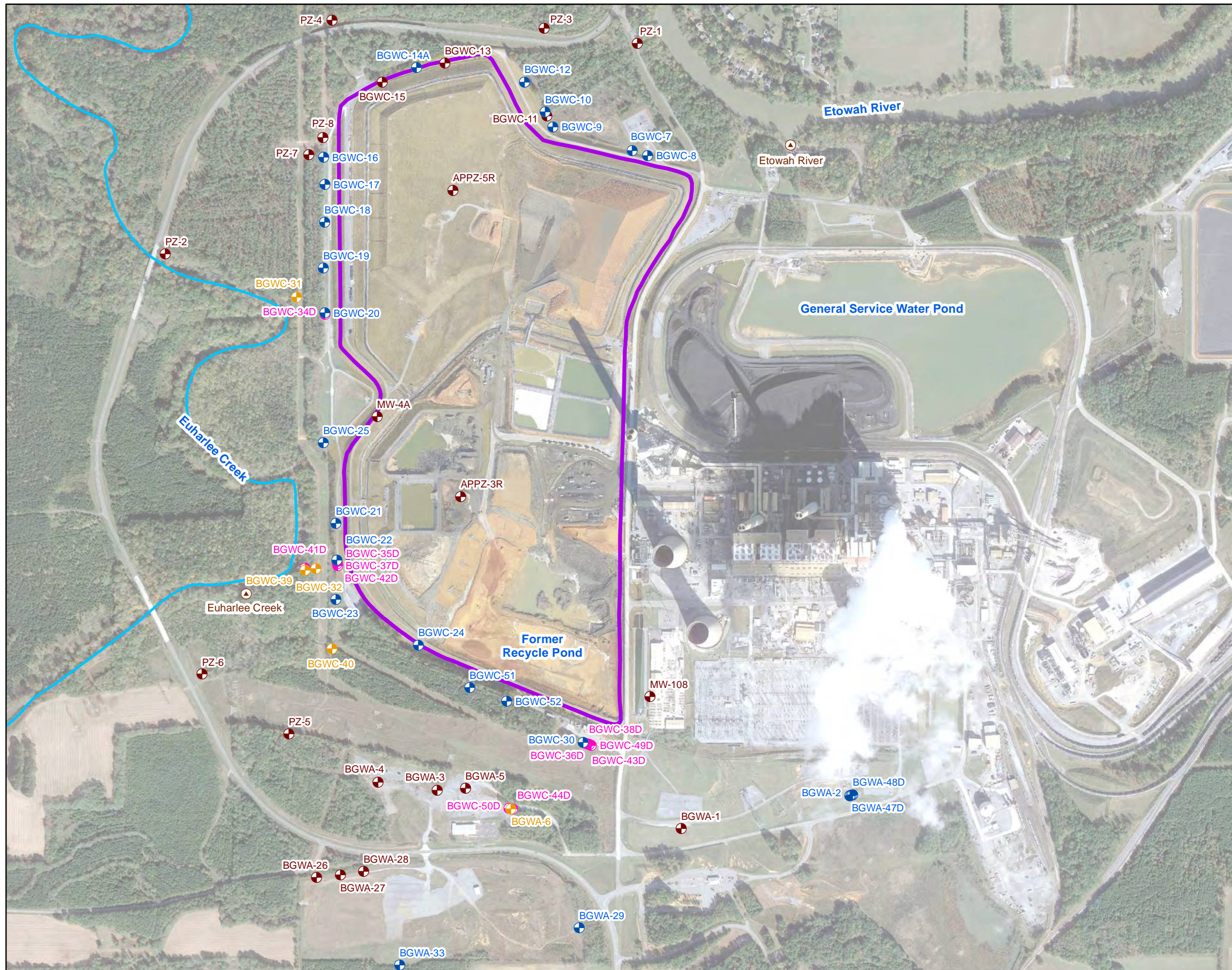
Prepared By: Geosyntec  
 consultants

**FIGURE**  
**1**

KENNESAW, GA

AUGUST 2023

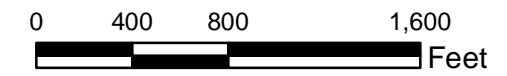




**LEGEND**

- 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, January 2023.

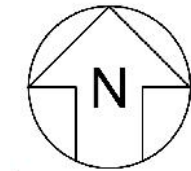
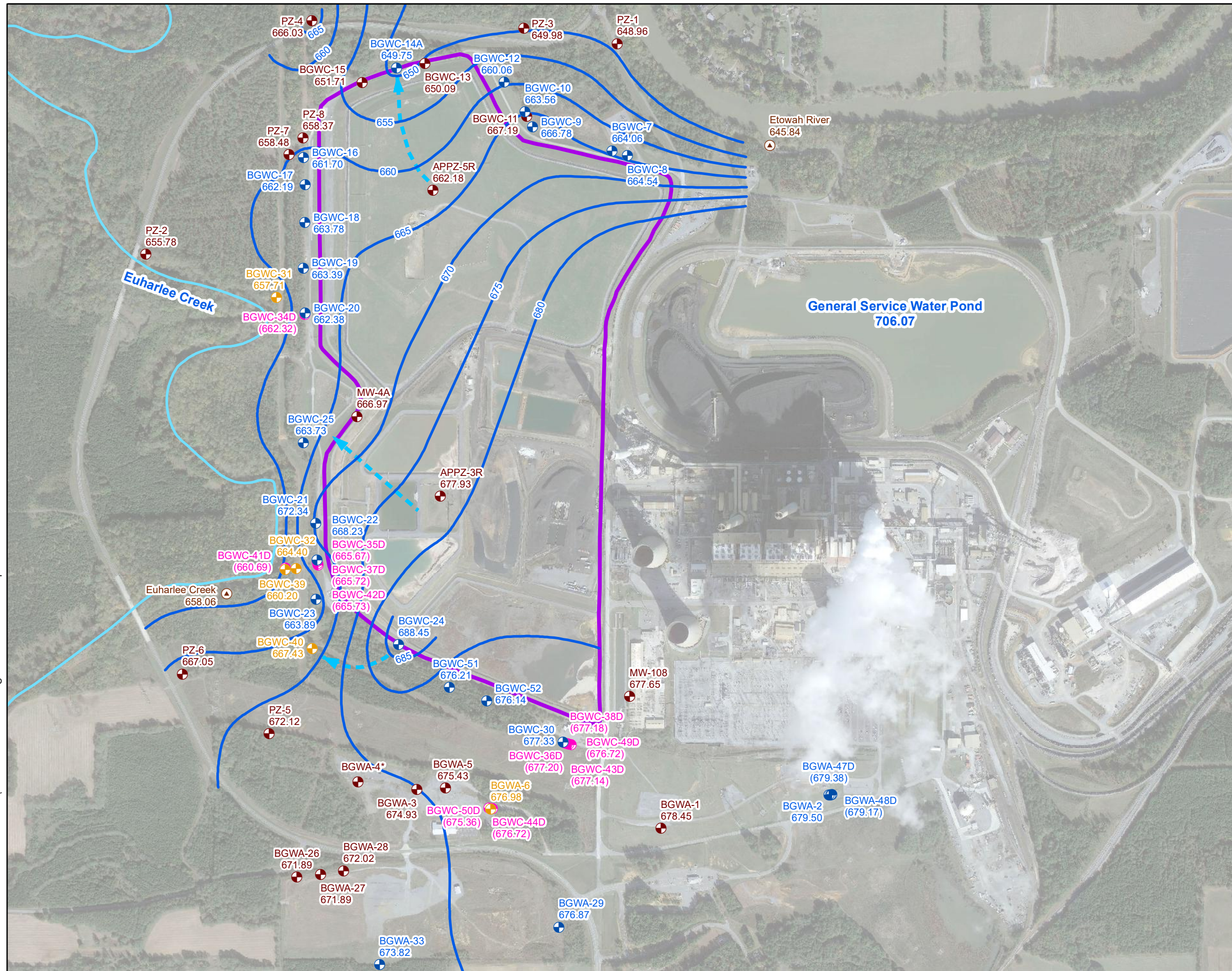


**MONITORING WELL NETWORK MAP**

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

Prepared For:	<b>FIGURE</b> <b>2</b>
Prepared By:	
KENNESAW, GA	AUGUST 2023



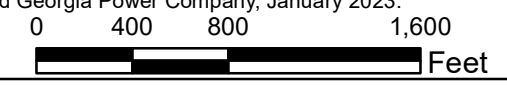


**LEGEND**

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



- 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

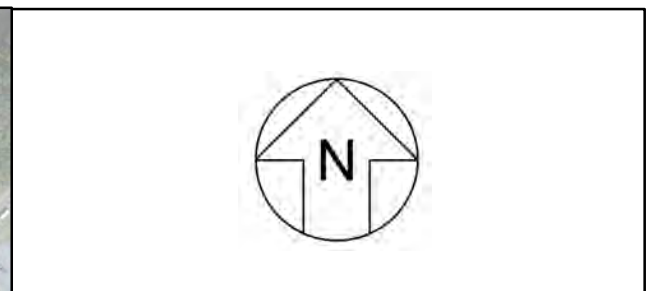
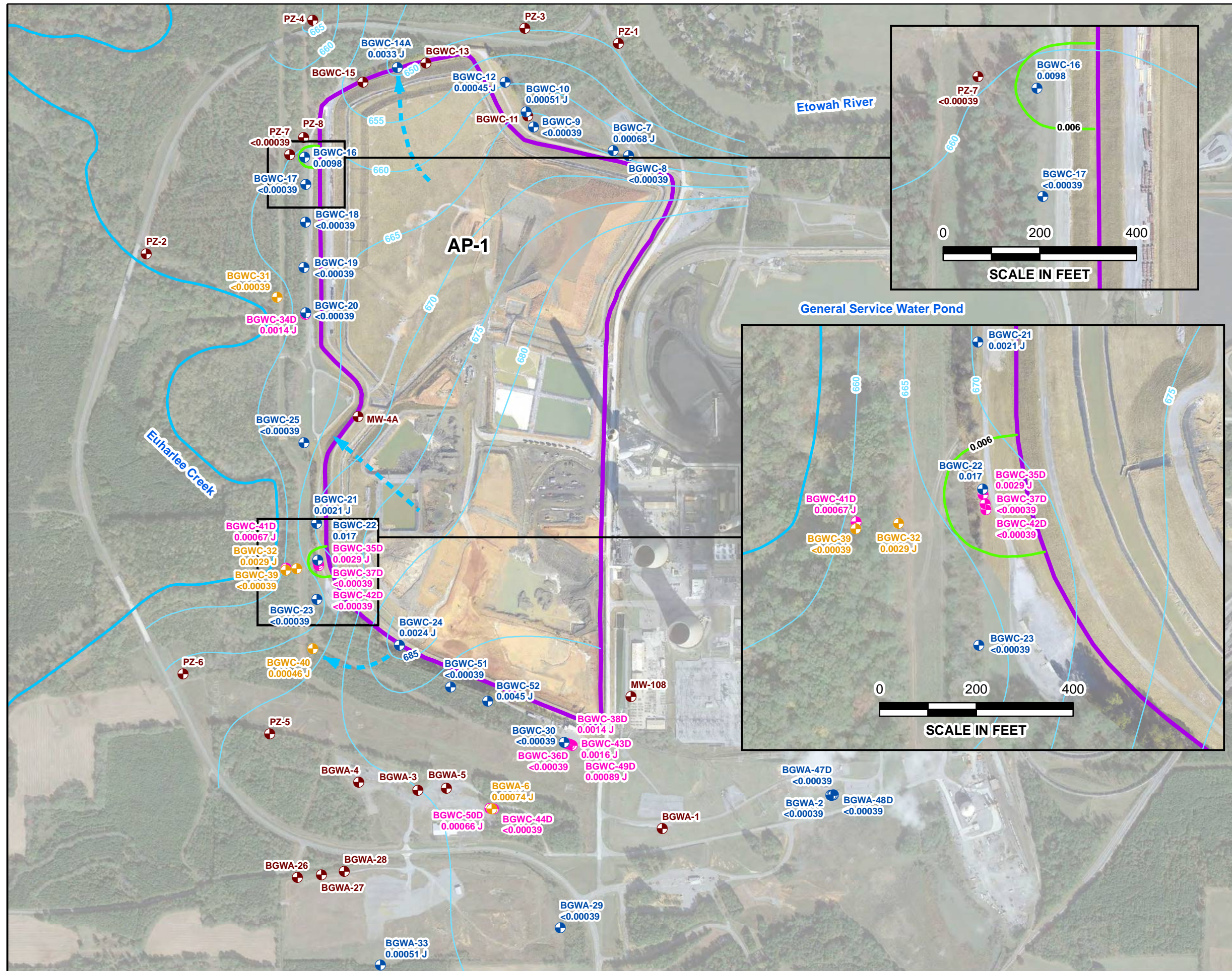
Prepared For: Georgia Power

Prepared By: Geosyntec consultants

**FIGURE 3**

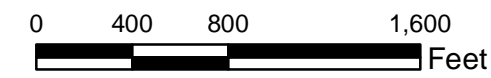
KENNESAW, GA      AUGUST 2023





- 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

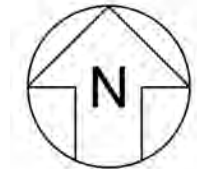
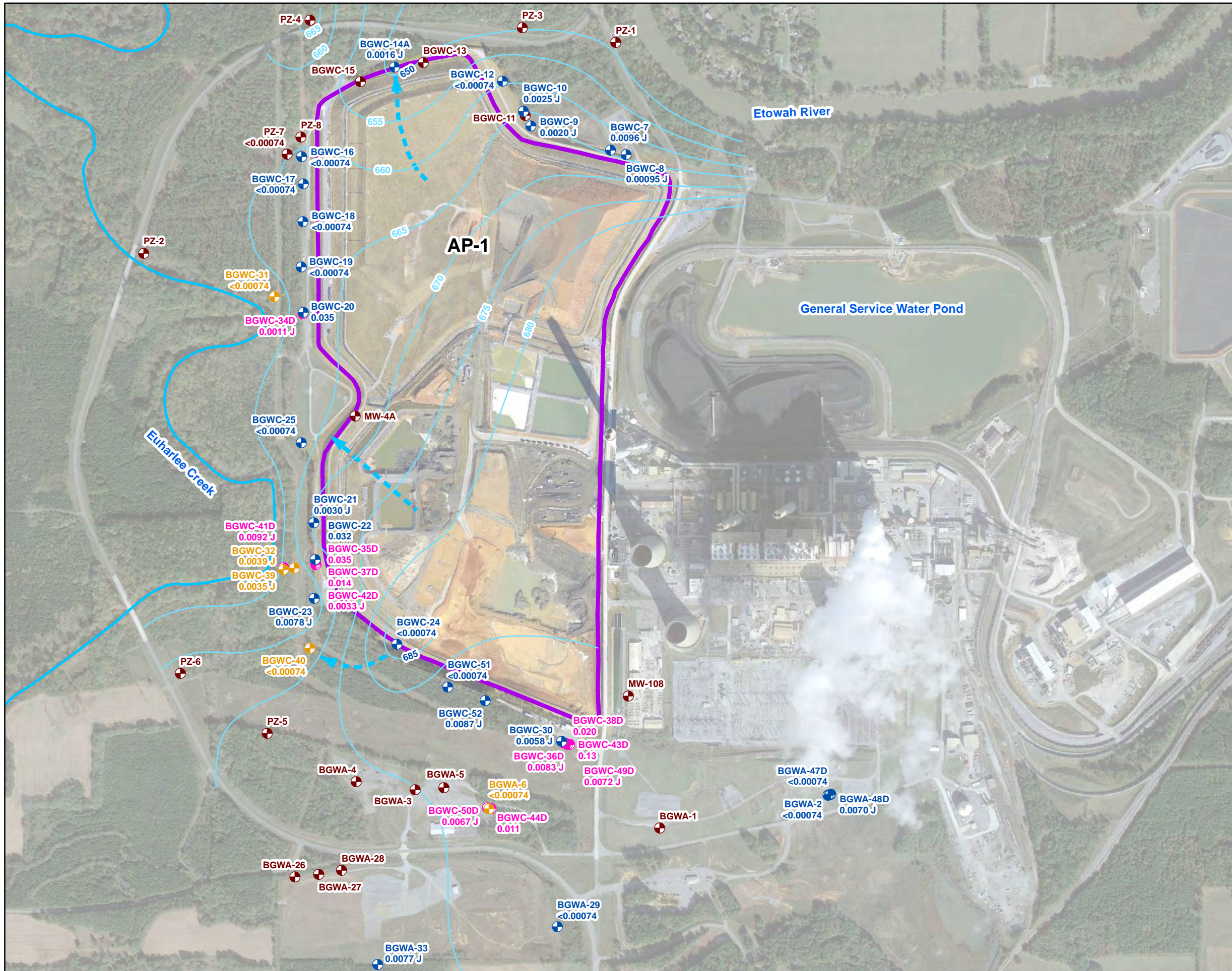
Prepared For: Georgia Power

Prepared By: Geosyntec  
consultants

KENNESAW, GA      AUGUST 2023

**FIGURE  
4**

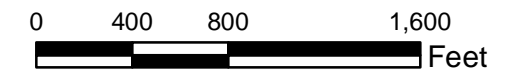




- LEGEND**
- Detection Monitoring Well
  - Horizontal Assessment Monitoring Well
  - Vertical Assessment Monitoring Well (Not Used for Contouring)
  - Piezometer
  - Groundwater Elevation Contour
  - ➔ Approximate Groundwater Flow Direction
  - Euharlee Creek
  - Approximate AP-1 Boundary

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  
5**

KENNESAW, GA

AUGUST 2023



# APPENDIX A

## Well Maintenance and Repair Documentation Memorandum



**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

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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.

<b>Georgia Power Site/Unit</b>	<b>Date Performed</b>	<b>Well ID</b>	<b>Maintenance/ Repair Performed</b>
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 Brown AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWA-1  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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 BG10A-2  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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>	_____	_____
<b>2 Protective Casing</b>			
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>	_____	_____
<b>3 Surface pad</b>			
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>	_____
<b>4 Internal casing</b>			
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>	_____	_____
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

Excess sediment on pad from vegetation/Animals

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_



## Groundwater Monitoring Well Integrity Form

Site Name Baco  
 Permit Number \_\_\_\_\_  
 Well ID BGWA-3  
 Date 1/23/2023

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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 Bowen-4  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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>	_____
<b>2 Protective Casing</b>			
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?	_____	_____	_____
<b>3 Surface pad</b>			
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)?	_____	_____	_____
<b>4 Internal casing</b>			
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)	_____	_____	_____
<b>5 Sampling: Groundwater Wells Only:</b>			
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)?	_____	_____	_____
<b>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?</b>			
	_____	_____	_____

7 Corrective actions as needed, by date:

Standing water around well, ~ 8in deep

Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Brown AP  
 Permit Number \_\_\_\_\_  
 Well ID BG04-5  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Barron AD  
 Permit Number \_\_\_\_\_  
 Well ID Barron 6  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-7  
 Date 11/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>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?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-8  
 Date 11/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>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?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			
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_____			

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-9  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>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?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>			

Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-11  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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 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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>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?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

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## Groundwater Monitoring Well Integrity Form

Site Name \_\_\_\_\_  
 Permit Number \_\_\_\_\_  
 Well ID \_\_\_\_\_  
 Date \_\_\_\_\_

Bowen AP

BGWC-13  
 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:			

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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)	✓		
<b>2 Protective Casing</b>			
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?	✓		
<b>3 Surface pad</b>			
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)?	✓		
<b>4 Internal casing</b>			
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)	✓		
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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## Groundwater Monitoring Well Integrity Form

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

		yes	no	n/a
<b>1 Location/Identification</b>				
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"/>
<b>2 Protective Casing</b>				
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"/>
<b>3 Surface pad</b>				
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"/>
<b>4 Internal casing</b>				
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
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"/>
<b>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?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-17  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-18  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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## Groundwater Monitoring Well Integrity Form

Site Name  
Permit Number  
Well ID  
Date

Bowen AP  
\_\_\_\_\_  
BGWC-20  
\_\_\_\_\_  
1/23/23  
\_\_\_\_\_

		yes	no	n/a
<b>1 Location/Identification</b>				
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"/>
<b>2 Protective Casing</b>				
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"/>
<b>3 Surface pad</b>				
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"/>
<b>4 Internal casing</b>				
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
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"/>
<b>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?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				
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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-22  
 Date 11/23/23

		yes	no	n/a
<b>1 Location/Identification</b>				
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)	✓		
<b>2 Protective Casing</b>				
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?	✓		
<b>3 Surface pad</b>				
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)?	✓		
<b>4 Internal casing</b>				
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)	✓		
<b>5 Sampling: Groundwater Wells Only:</b>				
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)?		✓	
<b>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?</b>				
		✓		

**7 Corrective actions as needed, by date:**  
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Signature and Seal of PE/PG responsible for inspection  
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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-25  
 Date 1123123

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>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?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name  
Permit Number  
Well ID  
Date

Bowen AP  
\_\_\_\_\_  
BGWA-26  
\_\_\_\_\_  
1/23/23  
\_\_\_\_\_

		yes	no	n/a
<b>1 Location/Identification</b>				
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"/>
<b>2 Protective Casing</b>				
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"/>
<b>3 Surface pad</b>				
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"/>
<b>4 Internal casing</b>				
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
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"/>
<b>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?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				
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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWA-27  
 Date 1/23/23

		yes	no	n/a
<b>1 Location/Identification</b>				
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"/>
<b>2 Protective Casing</b>				
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"/>
<b>3 Surface pad</b>				
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"/>
<b>4 Internal casing</b>				
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
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"/>
<b>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?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				
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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name  
Permit Number  
Well ID  
Date

Bowen AP  
\_\_\_\_\_  
BGWA-28  
\_\_\_\_\_  
1/23/23  
\_\_\_\_\_

		yes	no	n/a
<b>1 Location/Identification</b>				
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"/>
<b>2 Protective Casing</b>				
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"/>
<b>3 Surface pad</b>				
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"/>
<b>4 Internal casing</b>				
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
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"/>
<b>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?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				
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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name  
Permit Number  
Well ID  
Date

Bowen AP  
\_\_\_\_\_  
BGWA-29  
\_\_\_\_\_  
1/23/23  
\_\_\_\_\_

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>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?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**7 Corrective actions as needed, by date:**

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AD  
 Permit Number \_\_\_\_\_  
 Well ID BGDC-30  
 Date 12/22/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-31  
 Date 1/23/23

		yes	no	n/a
<b>1 Location/Identification</b>				
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)	✓		
<b>2 Protective Casing</b>				
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?	✓		
<b>3 Surface pad</b>				
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)?	✓		
<b>4 Internal casing</b>				
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)	✓		
<b>5 Sampling: Groundwater Wells Only:</b>				
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)?		✓	
<b>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?</b>				
		✓		

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>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?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWA-33  
 Date 1/23/23

		yes	no	n/a
<b>1 Location/Identification</b>				
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"/>
<b>2 Protective Casing</b>				
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"/>
<b>3 Surface pad</b>				
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"/>
<b>4 Internal casing</b>				
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
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"/>
<b>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?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				
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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

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

		yes	no	n/a
<b>1 Location/Identification</b>				
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"/>
<b>2 Protective Casing</b>				
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"/>
<b>3 Surface pad</b>				
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"/>
<b>4 Internal casing</b>				
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
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"/>
<b>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?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-35D  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bacon DAD  
 Permit Number \_\_\_\_\_  
 Well ID BG106-36D  
 Date 1/23/22 13

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-37D  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Brown AD  
 Permit Number \_\_\_\_\_  
 Well ID RGW-38D  
 Date 1/23/22 23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-39  
 Date \_\_\_\_\_

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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 checked="" 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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWC-40  
 Date 11/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

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

		yes	no	n/a
<b>1 Location/Identification</b>				
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"/>
<b>2 Protective Casing</b>				
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"/>
<b>3 Surface pad</b>				
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"/>
<b>4 Internal casing</b>				
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
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"/>
<b>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?</b>				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>7 Corrective actions as needed, by date:</b>				
_____				
_____				

Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name BOWEN AP  
 Permit Number \_\_\_\_\_  
 Well ID BGWL-42D  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Borewell  
 Permit Number \_\_\_\_\_  
 Well ID BGWDC-430  
 Date 1/23/23

		yes	no	n/a
<b>1 Location/Identification</b>				
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"/>
<b>2 Protective Casing</b>				
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"/>
<b>3 Surface pad</b>				
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"/>
<b>4 Internal casing</b>				
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AD  
 Permit Number \_\_\_\_\_  
 Well ID RG00C-44D  
 Date 1/22/23

		yes	no	n/a
<b>1 Location/Identification</b>				
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>	_____	_____
<b>2 Protective Casing</b>				
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>	_____	_____
<b>3 Surface pad</b>				
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>	_____
<b>4 Internal casing</b>				
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>	_____	_____
<b>5 Sampling: Groundwater Wells Only:</b>				
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:

Needs re-boarding, dust holding on Pad from excess vegetation

Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bruce AP  
 Permit Number \_\_\_\_\_  
 Well ID RG01-47D  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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### Groundwater Monitoring Well Integrity Form

Site Name Brown AD  
 Permit Number \_\_\_\_\_  
 Well ID BGWA-480  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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/Ants

Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Borden AP  
 Permit Number \_\_\_\_\_  
 Well ID BG-490  
 Date 1/23/2023

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Brown AD  
 Permit Number \_\_\_\_\_  
 Well ID BGDC-50D  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Brown AP  
 Permit Number \_\_\_\_\_  
 Well ID BG00C-51  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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>	_____	_____
<b>2 Protective Casing</b>			
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>	_____	_____
<b>3 Surface pad</b>			
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>	_____	_____
<b>4 Internal casing</b>			
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>	_____	_____
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bowling Green  
 Permit Number \_\_\_\_\_  
 Well ID BG-MC-52  
 Date 1/23/2023

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID PZ-1  
 Date 1/23/23

		yes	no	n/a
<b>1 Location/Identification</b>				
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"/>
<b>2 Protective Casing</b>				
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"/>
<b>3 Surface pad</b>				
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"/>
<b>4 Internal casing</b>				
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
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:  
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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bacon DAD  
 Permit Number \_\_\_\_\_  
 Well ID PZ-3  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>

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## Groundwater Monitoring Well Integrity Form

Site Name Brown JAP  
 Permit Number \_\_\_\_\_  
 Well ID PZ-6  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>

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## Groundwater Monitoring Well Integrity Form

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

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>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?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

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## Groundwater Monitoring Well Integrity Form

Site Name Bowen AP  
 Permit Number \_\_\_\_\_  
 Well ID PZ-8  
 Date 11/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>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?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

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## Groundwater Monitoring Well Integrity Form

Site Name Baker AP  
 Permit Number \_\_\_\_\_  
 Well ID APPZ-35  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Bacon AP  
 Permit Number \_\_\_\_\_  
 Well ID APPZ-32  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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 30

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Brown AD  
 Permit Number \_\_\_\_\_  
 Well ID AP22-55  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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:

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Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

## Groundwater Monitoring Well Integrity Form

Site Name Borden  
 Permit Number \_\_\_\_\_  
 Well ID APPZ-52  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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 MW-108  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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

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## Groundwater Monitoring Well Integrity Form

Site Name Bass AP  
 Permit Number \_\_\_\_\_  
 Well ID MM-4B  
 Date 1/23/23

	yes	no	n/a
<b>1 Location/Identification</b>			
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"/>
<b>2 Protective Casing</b>			
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"/>
<b>3 Surface pad</b>			
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"/>
<b>4 Internal casing</b>			
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"/>
<b>5 Sampling: Groundwater Wells Only:</b>			
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"/>
<b>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?</b>			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Fluid Monitor

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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## APPENDIX B

# Analytical Laboratory Results and Field Sampling Forms

# Laboratory Analytical Reports

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:

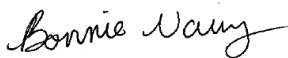
Enclosed are the analytical results for sample(s) received by the laboratory between January 27, 2023 and February 10, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where 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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without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

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

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### **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

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### **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

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### **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

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## 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

## 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
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
92649235002	BOW-BGWA-29	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
92649235003	BOW-BGWA-47D	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
92649235004	BOW-BGWA-48D	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
92649235005	BOW-BGWC-7	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
92649235006	BOW-BGWC-8	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

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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
<b>92649235008</b>	<b>BOW-BGWC-12</b>	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
<b>92649235009</b>	<b>BOW-BGWC-14A</b>	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
<b>92649235010</b>	<b>BOW-BGWC-16</b>	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
<b>92649235011</b>	<b>BOW-BGWC-17</b>	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
<b>92649235012</b>	<b>BOW-BGWC-18</b>	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
<b>92649235013</b>	<b>BOW-BGWA-6</b>	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
92649235045	BOW-AP1-FD-04	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
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92649235046	BOW-AP1-EB-02	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
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
92649235047	BOW-AP1-FB-07	SM 2540C-2015	DL1	1
		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
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	6
92649235048	BOW-BGWA-33	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
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92649235049	BOW-BGWC-23	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
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
92649235050	BOW-BGWC-39	EPA 300.0 Rev 2.1 1993	CDC	3
		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
92649235051	BOW-PZ-7	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
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235052	BOW-AP1-EB-03	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
		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
		EPA 6010D	MS	6
		EPA 6020B	CW1	13
92649235054	BOW-BGWC-22	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, MS	6
		EPA 6020B	CW1	13
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92649235055	BOW-BGWC-38D	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
		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

### 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					
<b>92649235001</b>	<b>BOW-BGWA-2</b>					
	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	
<b>92649235002</b>	<b>BOW-BGWA-29</b>					
	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	
<b>92649235003</b>	<b>BOW-BGWA-47D</b>					
	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	

### 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					
<b>92649235003</b>	<b>BOW-BGWA-47D</b>					
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	
<b>92649235004</b>	<b>BOW-BGWA-48D</b>					
	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	
<b>92649235005</b>	<b>BOW-BGWC-7</b>					
	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					
<b>92649235005</b>	<b>BOW-BGWC-7</b>					
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	
<b>92649235006</b>	<b>BOW-BGWC-8</b>					
	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	
<b>92649235007</b>	<b>BOW-BGWC-9</b>					
	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					
<b>92649235007</b>	<b>BOW-BGWC-9</b>					
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	
<b>92649235008</b>	<b>BOW-BGWC-12</b>					
	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	
<b>92649235009</b>	<b>BOW-BGWC-14A</b>					
	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	

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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					
<b>92649235009</b>	<b>BOW-BGWC-14A</b>					
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	
<b>92649235010</b>	<b>BOW-BGWC-16</b>					
	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					
<b>92649235011</b>	<b>BOW-BGWC-17</b>					
	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	
<b>92649235012</b>	<b>BOW-BGWC-18</b>					
	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	
<b>92649235013</b>	<b>BOW-BGWA-6</b>					
	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	

### 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					
<b>92649235013</b>	<b>BOW-BGWA-6</b>					
	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	
<b>92649235014</b>	<b>BOW-BGWC-44D</b>					
	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	
<b>92649235015</b>	<b>BOW-AP1-FD-02</b>					
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					
<b>92649235015</b>	<b>BOW-AP1-FD-02</b>					
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	
<b>92649235016</b>	<b>BOW-AP1-FD-01</b>					
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	
<b>92649235017</b>	<b>BOW-BGWC-50D</b>					
	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					
<b>92649235017</b>	<b>BOW-BGWC-50D</b>					
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	
<b>92649235018</b>	<b>BOW-AP1-FB-02</b>					
EPA 300.0 Rev 2.1 1993	Sulfate	0.57J	mg/L	1.0	02/01/23 09:18	
<b>92649235019</b>	<b>BOW-AP1-FB-01</b>					
SM 2540C-2015	Total Dissolved Solids	192	mg/L	25.0	01/30/23 19:54	
<b>92649235020</b>	<b>BOW-AP1-FB-03</b>					
EPA 6010D	Iron	0.026J	mg/L	0.040	02/06/23 12:43	
<b>92649235021</b>	<b>BOW-BGWC-10</b>					
	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	
<b>92649235022</b>	<b>BOW-BGWC-19</b>					
	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					
<b>92649235022</b>	<b>BOW-BGWC-19</b>					
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	
<b>92649235023</b>	<b>BOW-BGWC-21</b>					
	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	
<b>92649235024</b>	<b>BOW-BGWC-25</b>					
	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	

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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					
<b>92649235024</b>	<b>BOW-BGWC-25</b>					
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	
<b>92649235025</b>	<b>BOW-BGWC-31</b>					
	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	
<b>92649235026</b>	<b>BOW-AP1-FB-04</b>					
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	
<b>92649235027</b>	<b>BOW-BGWC-20</b>					
	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					
<b>92649235027</b>	<b>BOW-BGWC-20</b>					
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	
<b>92649235028</b>	<b>BOW-BGWC-34D</b>					
	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	
<b>92649235029</b>	<b>BOW-BGWC-35D</b>					
	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					
<b>92649235029</b>	<b>BOW-BGWC-35D</b>					
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	
<b>92649235030</b>	<b>BOW-BGWC-37D</b>					
	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	
<b>92649235031</b>	<b>BOW-BGWC-42D</b>					
	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					
<b>92649235031</b>	<b>BOW-BGWC-42D</b>					
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	
<b>92649235032</b>	<b>BOW-AP1-FD-03</b>					
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	
<b>92649235033</b>	<b>BOW-AP1-FB-05</b>					
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	
<b>92649235034</b>	<b>BOW-BGWC-32</b>					
	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					
<b>92649235034</b>	<b>BOW-BGWC-32</b>					
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	
<b>92649235035</b>	<b>BOW-BGWC-40</b>					
	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	
<b>92649235036</b>	<b>BOW-BGWC-51</b>					
	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					
<b>92649235036</b>	<b>BOW-BGWC-51</b>					
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	
<b>92649235037</b>	<b>BOW-BGWC-52</b>					
	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	
<b>92649235038</b>	<b>BOW-AP1-EB-01</b>					
SM 2540C-2015	Total Dissolved Solids	48.0	mg/L	25.0	02/06/23 17:53	
<b>92649235040</b>	<b>BOW-BGWC-24</b>					
	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	

### 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					
<b>92649235040</b>	<b>BOW-BGWC-24</b>					
	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	
<b>92649235041</b>	<b>BOW-BGWC-30</b>					
	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	

### 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					
<b>92649235042</b>	<b>BOW-BGWC-36D</b>					
	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	
<b>92649235043</b>	<b>BOW-BGWC-41D</b>					
	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					
<b>92649235044</b>	<b>BOW-BGWC-49D</b>					
	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	
<b>92649235045</b>	<b>BOW-AP1-FD-04</b>					
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					
<b>92649235046</b>	<b>BOW-AP1-EB-02</b>					
SM 2540C-2015	Total Dissolved Solids	29.0	mg/L	25.0	02/06/23 13:45	
<b>92649235047</b>	<b>BOW-AP1-FB-07</b>					
SM 2540C-2015	Total Dissolved Solids	60.0	mg/L	25.0	02/06/23 13:46	
<b>92649235048</b>	<b>BOW-BGWA-33</b>					
	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	
<b>92649235049</b>	<b>BOW-BGWC-23</b>					
	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	

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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					
<b>92649235049</b>	<b>BOW-BGWC-23</b>					
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	
<b>92649235050</b>	<b>BOW-BGWC-39</b>					
	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	
<b>92649235051</b>	<b>BOW-PZ-7</b>					
	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	

### 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					
<b>92649235051</b>	<b>BOW-PZ-7</b>					
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	
<b>92649235053</b>	<b>BOW-AP1-FB-08</b>					
SM 2540C-2015	Total Dissolved Solids	31.3	mg/L	25.0	02/08/23 18:54	
<b>92649235054</b>	<b>BOW-BGWC-22</b>					
	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	
<b>92649235055</b>	<b>BOW-BGWC-38D</b>					
	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	

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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					
<b>92649235055</b>	<b>BOW-BGWC-38D</b>					
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	
<b>92649235056</b>	<b>BOW-BGWC-43D</b>					
	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	
<b>92649235057</b>	<b>BOW-AP1-FD-05</b>					
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
<b>92649235057</b>	<b>BOW-AP1-FD-05</b>					
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	
<b>92649235058</b>	<b>BOW-AP1-EB-04</b>					
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	
<b>92649235059</b>	<b>BOW-AP1-FB-9</b>					
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
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:22		
Collected By	<b>MD</b>				1		02/13/23 17:22		
Collected Date	<b>1/24/23</b>				1		02/13/23 17:22		
Collected Time	<b>15:27</b>				1		02/13/23 17:22		
pH	<b>7.32</b>	Std. Units			1		02/13/23 17:22		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.079</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/02/23 23:30	7439-89-6	
Manganese	<b>0.0051J</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/02/23 23:30	7439-96-5	
Potassium	<b>1.7</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/02/23 23:30	7440-09-7	
Sodium	<b>3.1</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/02/23 23:30	7440-23-5	
Calcium	<b>51.4</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/02/23 23:30	7440-70-2	
Magnesium	<b>21.5</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/02/23 23:30	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.10</b>	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	<b>0.010J</b>	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	<b>0.0011J</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>223</b>	mg/L	25.0	25.0	1		01/30/23 19:51		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>213</b>	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	<b>213</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>3.4</b>	mg/L	1.0	0.60	1		02/01/23 01:44	16887-00-6	
Fluoride	<b>0.055J</b>	mg/L	0.10	0.050	1		02/01/23 01:44	16984-48-8	
Sulfate	<b>12.5</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:23		
Collected By	<b>KS</b>				1		02/13/23 17:23		
Collected Date	<b>1/24/23</b>				1		02/13/23 17:23		
Collected Time	<b>12:26</b>				1		02/13/23 17:23		
pH	<b>7.77</b>	Std. Units			1		02/13/23 17:23		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.027J</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/02/23 23:34	7439-89-6	
Manganese	<b>0.0056J</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/02/23 23:34	7439-96-5	
Potassium	<b>0.63</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/02/23 23:34	7440-09-7	
Sodium	<b>2.7</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/02/23 23:34	7440-23-5	
Calcium	<b>21.0</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/02/23 23:34	7440-70-2	M1
Magnesium	<b>10.7</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/02/23 23:34	7439-95-4	M1
<b>6020 MET ICPMS</b>									
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	<b>0.012</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>129</b>	mg/L	25.0	25.0	1		01/30/23 19:52		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	<b>92.1</b>	mg/L	5.0	5.0	1		01/31/23 14:19		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		01/31/23 14:19		
Alkalinity, Total as CaCO <sub>3</sub>	<b>92.1</b>	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				
<b>300.0 IC Anions 28 Days</b>									
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				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:23		
Collected By	<b>MD</b>				1		02/13/23 17:23		
Collected Date	<b>1/24/23</b>				1		02/13/23 17:23		
Collected Time	<b>13:59</b>				1		02/13/23 17:23		
pH	<b>6.72</b>	Std. Units			1		02/13/23 17:23		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.033J</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/02/23 23:54	7439-89-6	
Manganese	<b>0.0099J</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/02/23 23:54	7439-96-5	
Potassium	<b>1.6</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/02/23 23:54	7440-09-7	
Sodium	<b>5.4</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/02/23 23:54	7440-23-5	
Calcium	<b>109</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/02/23 23:54	7440-70-2	
Magnesium	<b>21.2</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/02/23 23:54	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.059</b>	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	<b>0.016J</b>	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	<b>0.0015J</b>	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	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00022</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 08:49	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>391</b>	mg/L	25.0	25.0	1		01/30/23 19:53		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>301</b>	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	<b>301</b>	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				
<b>300.0 IC Anions 28 Days</b>									
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
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:24		
Collected By	<b>MD</b>				1		02/13/23 17:24		
Collected Date	<b>1/24/23</b>				1		02/13/23 17:24		
Collected Time	<b>11:45</b>				1		02/13/23 17:24		
pH	<b>7.32</b>	Std. Units			1		02/13/23 17:24		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.15</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/02/23 23:59	7439-89-6	
Manganese	<b>0.018J</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/02/23 23:59	7439-96-5	
Potassium	<b>1.3</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/02/23 23:59	7440-09-7	
Sodium	<b>54.2</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/02/23 23:59	7440-23-5	
Calcium	<b>40.7</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/02/23 23:59	7440-70-2	
Magnesium	<b>12.2</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/02/23 23:59	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.024</b>	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	<b>0.014J</b>	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	<b>0.0070J</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>280</b>	mg/L	25.0	25.0	1		01/30/23 19:53		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>226</b>	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	<b>226</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>4.3</b>	mg/L	1.0	0.60	1		02/01/23 03:11	16887-00-6	
Fluoride	<b>0.076J</b>	mg/L	0.10	0.050	1		02/01/23 03:11	16984-48-8	
Sulfate	<b>22.4</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:25		
Collected By	<b>KS</b>				1		02/13/23 17:25		
Collected Date	<b>1/26/23</b>				1		02/13/23 17:25		
Collected Time	<b>11:48</b>				1		02/13/23 17:25		
pH	<b>6.63</b>	Std. Units			1		02/13/23 17:25		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.63</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:04	7439-89-6	
Manganese	<b>0.024J</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:04	7439-96-5	
Potassium	<b>3.6</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:04	7440-09-7	
Sodium	<b>22.5</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:04	7440-23-5	
Calcium	<b>146</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:04	7440-70-2	
Magnesium	<b>44.9</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:04	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.0025J</b>	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 18:26	7440-38-2	
Barium	<b>0.029</b>	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	<b>1.0</b>	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	<b>0.00068J</b>	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	<b>0.0065J</b>	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:26	7439-93-2	
Molybdenum	<b>0.0096J</b>	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	<b>0.00019J</b>	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:26	7440-28-0	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>657</b>	mg/L	25.0	25.0	1		01/30/23 19:58		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>307</b>	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	<b>307</b>	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				
<b>300.0 IC Anions 28 Days</b>									
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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:26		
Collected By	<b>KS</b>				1		02/13/23 17:26		
Collected Date	<b>1/26/23</b>				1		02/13/23 17:26		
Collected Time	<b>14:20</b>				1		02/13/23 17:26		
pH	<b>7.34</b>	Std. Units			1		02/13/23 17:26		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.055</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:18	7439-89-6	
Manganese	<b>ND</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:18	7439-96-5	
Potassium	<b>2.9</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:18	7440-09-7	
Sodium	<b>4.8</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:18	7440-23-5	
Calcium	<b>42.8</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:18	7440-70-2	
Magnesium	<b>14.3</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:18	7439-95-4	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>ND</b>	mg/L	0.0030	0.00078	1	02/01/23 11:31	02/03/23 18:32	7440-36-0	
Arsenic	<b>ND</b>	mg/L	0.0050	0.0022	1	02/01/23 11:31	02/03/23 18:32	7440-38-2	
Barium	<b>0.029</b>	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 18:32	7440-39-3	
Beryllium	<b>ND</b>	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 18:32	7440-41-7	
Boron	<b>0.051</b>	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 18:32	7440-42-8	
Cadmium	<b>ND</b>	mg/L	0.00050	0.00011	1	02/01/23 11:31	02/03/23 18:32	7440-43-9	
Chromium	<b>0.0014J</b>	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 18:32	7440-47-3	
Cobalt	<b>ND</b>	mg/L	0.0050	0.00039	1	02/01/23 11:31	02/03/23 18:32	7440-48-4	
Lead	<b>ND</b>	mg/L	0.0010	0.00089	1	02/01/23 11:31	02/03/23 18:32	7439-92-1	
Lithium	<b>ND</b>	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:32	7439-93-2	
Molybdenum	<b>0.00095J</b>	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 18:32	7439-98-7	
Selenium	<b>ND</b>	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 18:32	7782-49-2	
Thallium	<b>ND</b>	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:32	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>ND</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:02	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>190</b>	mg/L	25.0	25.0	1		01/30/23 19:59		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>155</b>	mg/L	5.0	5.0	1		01/31/23 19:46		
Alkalinity,Carbonate (CaCO3)	<b>ND</b>	mg/L	5.0	5.0	1		01/31/23 19:46		
Alkalinity, Total as CaCO3	<b>155</b>	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				
<b>300.0 IC Anions 28 Days</b>									
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
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:26		
Collected By	<b>MD</b>				1		02/13/23 17:26		
Collected Date	<b>1/26/23</b>				1		02/13/23 17:26		
Collected Time	<b>15:35</b>				1		02/13/23 17:26		
pH	<b>7.04</b>	Std. Units			1		02/13/23 17:26		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.28</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:23	7439-89-6	
Manganese	<b>0.028J</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:23	7439-96-5	
Potassium	<b>2.6</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:23	7440-09-7	
Sodium	<b>11.6</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:23	7440-23-5	
Calcium	<b>62.4</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:23	7440-70-2	
Magnesium	<b>24.8</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:23	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.027</b>	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	<b>0.41</b>	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	<b>0.0021J</b>	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	<b>0.0018J</b>	mg/L	0.030	0.00073	1	02/01/23 11:31	02/03/23 18:50	7439-93-2	
Molybdenum	<b>0.0020J</b>	mg/L	0.010	0.00074	1	02/01/23 11:31	02/03/23 18:50	7439-98-7	
Selenium	<b>0.0015J</b>	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 18:50	7782-49-2	
Thallium	<b>0.00018J</b>	mg/L	0.0010	0.00018	1	02/01/23 11:31	02/03/23 18:50	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00013J</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:05	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>301</b>	mg/L	25.0	25.0	1		01/30/23 19:59		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>216</b>	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	<b>216</b>	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				
<b>300.0 IC Anions 28 Days</b>									
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				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:27		
Collected By	<b>MD</b>				1		02/13/23 17:27		
Collected Date	<b>1/26/23</b>				1		02/13/23 17:27		
Collected Time	<b>10:35</b>				1		02/13/23 17:27		
pH	<b>6.68</b>	Std. Units			1		02/13/23 17:27		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.026J</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:28	7439-89-6	
Manganese	<b>0.0049J</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:28	7439-96-5	
Potassium	<b>3.5</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:28	7440-09-7	
Sodium	<b>39.8</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:28	7440-23-5	
Calcium	<b>178</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:28	7440-70-2	
Magnesium	<b>61.2</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:28	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.052</b>	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	<b>1.3</b>	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	<b>0.0018J</b>	mg/L	0.0050	0.0011	1	02/01/23 11:31	02/03/23 18:56	7440-47-3	
Cobalt	<b>0.00045J</b>	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	<b>0.0013J</b>	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	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00013J</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:07	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>995</b>	mg/L	25.0	25.0	1		01/30/23 20:00		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>318</b>	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	<b>318</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>14.5</b>	mg/L	1.0	0.60	1		02/01/23 04:21	16887-00-6	
Fluoride	<b>0.083J</b>	mg/L	0.10	0.050	1		02/01/23 04:21	16984-48-8	
Sulfate	<b>463</b>	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
<b>Field Data</b>									
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		
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>10.9</b>	mg/L	1.0	0.60	1		02/01/23 05:13	16887-00-6	
Fluoride	<b>0.084J</b>	mg/L	0.10	0.050	1		02/01/23 05:13	16984-48-8	
Sulfate	<b>213</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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**Field Data**

Analytical Method:  
Pace Analytical Services - Charlotte

Performed by	<b>Client</b>				1		02/13/23 17:28		
Collected By	<b>WL</b>				1		02/13/23 17:28		
Collected Date	<b>1/26/23</b>				1		02/13/23 17:28		
Collected Time	<b>11:52</b>				1		02/13/23 17:28		
pH	<b>6.56</b>	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	<b>0.052</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:37	7439-89-6	
Manganese	<b>3.9</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:37	7439-96-5	
Potassium	<b>5.7</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:37	7440-09-7	
Sodium	<b>38.8</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:37	7440-23-5	
Calcium	<b>178</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:37	7440-70-2	
Magnesium	<b>30.5</b>	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	<b>0.033</b>	mg/L	0.0050	0.00067	1	02/01/23 11:31	02/03/23 19:08	7440-39-3	
Beryllium	<b>0.00015J</b>	mg/L	0.00050	0.000054	1	02/01/23 11:31	02/03/23 19:08	7440-41-7	
Boron	<b>1.6</b>	mg/L	0.040	0.0086	1	02/01/23 11:31	02/03/23 19:08	7440-42-8	
Cadmium	<b>0.0021</b>	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	<b>0.0098</b>	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	<b>0.0024J</b>	mg/L	0.0050	0.0014	1	02/01/23 11:31	02/03/23 19:08	7782-49-2	
Thallium	<b>0.00023J</b>	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	<b>0.00015J</b>	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	<b>895</b>	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)	<b>138</b>	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	<b>138</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>18.3</b>	mg/L	1.0	0.60	1		02/01/23 05:31	16887-00-6	
Fluoride	<b>0.091J</b>	mg/L	0.10	0.050	1		02/01/23 05:31	16984-48-8	
Sulfate	<b>490</b>	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
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:29		
Collected By	<b>WL</b>				1		02/13/23 17:29		
Collected Date	<b>1/26/23</b>				1		02/13/23 17:29		
Collected Time	<b>13:14</b>				1		02/13/23 17:29		
pH	<b>7.21</b>	Std. Units			1		02/13/23 17:29		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.030J</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:42	7439-89-6	
Manganese	<b>0.076</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:42	7439-96-5	
Potassium	<b>2.4</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:42	7440-09-7	
Sodium	<b>10.1</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:42	7440-23-5	
Calcium	<b>76.2</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:42	7440-70-2	
Magnesium	<b>27.9</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:42	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.015</b>	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	<b>1.0</b>	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	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00027</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 09:15	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>396</b>	mg/L	25.0	25.0	1		01/31/23 12:40		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>158</b>	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	<b>158</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>34.0</b>	mg/L	1.0	0.60	1		02/01/23 05:48	16887-00-6	
Fluoride	<b>0.13</b>	mg/L	0.10	0.050	1		02/01/23 05:48	16984-48-8	
Sulfate	<b>110</b>	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	<b>Client</b>				1		02/13/23 17:29		
Collected By	<b>WL</b>				1		02/13/23 17:29		
Collected Date	<b>1/26/23</b>				1		02/13/23 17:29		
Collected Time	<b>14:52</b>				1		02/13/23 17:29		
pH	<b>6.20</b>	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	<b>1.6</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:47	7440-09-7	
Sodium	<b>2.5</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:47	7440-23-5	
Calcium	<b>41.4</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:47	7440-70-2	
Magnesium	<b>16.0</b>	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	<b>0.034</b>	mg/L	0.0050	0.00067	1	02/01/23 12:06	02/03/23 19:50	7440-39-3	
Beryllium	<b>0.00010J</b>	mg/L	0.00050	0.000054	1	02/01/23 12:06	02/03/23 19:50	7440-41-7	CL
Boron	<b>0.45</b>	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	<b>0.0022J</b>	mg/L	0.0050	0.0014	1	02/01/23 12:06	02/03/23 19:50	7782-49-2	
Thallium	<b>0.00019J</b>	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	<b>197</b>	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)	<b>102</b>	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	<b>102</b>	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

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**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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>5.9</b>	mg/L	1.0	0.60	1		02/01/23 06:41	16887-00-6	
Fluoride	<b>0.056J</b>	mg/L	0.10	0.050	1		02/01/23 06:41	16984-48-8	
Sulfate	<b>58.3</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:30		
Collected By	<b>WL</b>				1		02/13/23 17:30		
Collected Date	<b>1/25/23</b>				1		02/13/23 17:30		
Collected Time	<b>12:30</b>				1		02/13/23 17:30		
pH	<b>6.87</b>	Std. Units			1		02/13/23 17:30		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.23</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:52	7439-89-6	
Manganese	<b>0.28</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:52	7439-96-5	
Potassium	<b>1.1</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:52	7440-09-7	
Sodium	<b>9.3</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:52	7440-23-5	
Calcium	<b>68.4</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:52	7440-70-2	
Magnesium	<b>31.0</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:52	7439-95-4	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.0017J</b>	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	<b>0.064</b>	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	<b>0.020J</b>	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	<b>0.00074J</b>	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	<b>0.00022J</b>	mg/L	0.0010	0.00018	1	02/01/23 12:06	02/03/23 20:14	7440-28-0	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>312</b>	mg/L	25.0	25.0	1		01/30/23 19:54		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>305</b>	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	<b>305</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>10.1</b>	mg/L	1.0	0.60	1		02/01/23 06:58	16887-00-6	
Fluoride	<b>0.066J</b>	mg/L	0.10	0.050	1		02/01/23 06:58	16984-48-8	
Sulfate	<b>15.5</b>	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
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:31		
Collected By	<b>WL</b>				1		02/13/23 17:31		
Collected Date	<b>1/25/23</b>				1		02/13/23 17:31		
Collected Time	<b>14:08</b>				1		02/13/23 17:31		
pH	<b>7.89</b>	Std. Units			1		02/13/23 17:31		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.050</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 00:57	7439-89-6	
Manganese	<b>0.026J</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 00:57	7439-96-5	
Potassium	<b>2.1</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 00:57	7440-09-7	
Sodium	<b>109</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 00:57	7440-23-5	
Calcium	<b>24.3</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 00:57	7440-70-2	
Magnesium	<b>13.4</b>	mg/L	0.050	0.012	1	01/31/23 17:12	02/03/23 00:57	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.0043J</b>	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 18:02	7440-38-2	
Barium	<b>0.012</b>	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	<b>0.053</b>	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	<b>0.0025J</b>	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	<b>0.0040J</b>	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 18:02	7439-93-2	
Molybdenum	<b>0.011</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>350</b>	mg/L	25.0	25.0	1		01/30/23 19:54		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	<b>321</b>	mg/L	5.0	5.0	1		02/01/23 13:42		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/01/23 13:42		
Alkalinity, Total as CaCO <sub>3</sub>	<b>321</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>13.5</b>	mg/L	1.0	0.60	1		02/01/23 07:15	16887-00-6	
Fluoride	<b>0.28</b>	mg/L	0.10	0.050	1		02/01/23 07:15	16984-48-8	
Sulfate	<b>11.7</b>	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 Limit			MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>											
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	<b>0.076</b>	mg/L	0.040	0.0043	1		01/31/23 17:12	02/03/23 01:01	7439-96-5		
Potassium	<b>2.5</b>	mg/L	0.20	0.15	1		01/31/23 17:12	02/03/23 01:01	7440-09-7		
Sodium	<b>10.1</b>	mg/L	1.0	0.58	1		01/31/23 17:12	02/03/23 01:01	7440-23-5		
Calcium	<b>75.7</b>	mg/L	1.0	0.12	1		01/31/23 17:12	02/03/23 01:01	7440-70-2		
Magnesium	<b>27.8</b>	mg/L	0.050	0.012	1		01/31/23 17:12	02/03/23 01:01	7439-95-4		
<b>6020 MET ICPMS</b>											
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	<b>0.016</b>	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	<b>1.1</b>	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		
<b>7470 Mercury</b>											
Analytical Method: EPA 7470A    Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA											
Mercury	<b>0.00032</b>	mg/L	0.00020	0.00013	1		02/16/23 16:05	02/17/23 09:26	7439-97-6		
<b>2540C Total Dissolved Solids</b>											
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA											
Total Dissolved Solids	<b>379</b>	mg/L	25.0	25.0	1			01/31/23 12:42			
<b>2320B Alkalinity</b>											
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville											
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	<b>156</b>	mg/L	5.0	5.0	1			02/01/23 14:56			
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1			02/01/23 14:56			
Alkalinity, Total as CaCO <sub>3</sub>	<b>156</b>	mg/L	5.0	5.0	1			02/01/23 14:56			
<b>300.0 IC Anions 28 Days</b>											
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville											
Chloride	<b>34.1</b>	mg/L	1.0	0.60	1			02/01/23 07:33	16887-00-6		
Fluoride	<b>0.13</b>	mg/L	0.10	0.050	1			02/01/23 07:33	16984-48-8		
Sulfate	<b>110</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	227	mg/L	5.0	5.0	1		01/31/23 17:09		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		01/31/23 17:09		
Alkalinity, Total as CaCO <sub>3</sub>	227	mg/L	5.0	5.0	1		01/31/23 17:09		
<b>300.0 IC Anions 28 Days</b>									
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	<b>Client</b>				1		02/13/23 17:33		
Collected By	<b>WL</b>				1		02/13/23 17:33		
Collected Date	<b>1/25/23</b>				1		02/13/23 17:33		
Collected Time	<b>15:35</b>				1		02/13/23 17:33		
pH	<b>7.03</b>	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	<b>2.1</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/03/23 14:59	7439-89-6	
Manganese	<b>0.099</b>	mg/L	0.040	0.0043	1	01/31/23 17:12	02/03/23 14:59	7439-96-5	
Potassium	<b>1.6</b>	mg/L	0.20	0.15	1	01/31/23 17:12	02/03/23 14:59	7440-09-7	
Sodium	<b>118</b>	mg/L	1.0	0.58	1	01/31/23 17:12	02/03/23 14:59	7440-23-5	
Calcium	<b>65.0</b>	mg/L	1.0	0.12	1	01/31/23 17:12	02/03/23 14:59	7440-70-2	
Magnesium	<b>27.6</b>	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	<b>0.0017J</b>	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	<b>0.067</b>	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	<b>0.045</b>	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	<b>0.00066J</b>	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	<b>0.0019J</b>	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 18:38	7439-93-2	
Molybdenum	<b>0.0067J</b>	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	<b>659</b>	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)	<b>273</b>	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	<b>273</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>27.6</b>	mg/L	1.0	0.60	1		02/01/23 09:00	16887-00-6	
Fluoride	<b>0.16</b>	mg/L	0.10	0.050	1		02/01/23 09:00	16984-48-8	
Sulfate	<b>268</b>	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				
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		01/31/23 19:35		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		01/31/23 19:35		
Alkalinity, Total as CaCO <sub>3</sub>	ND	mg/L	5.0	5.0	1		01/31/23 19:35		
<b>300.0 IC Anions 28 Days</b>									
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	<b>0.57J</b>	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					
<b>6010D ATL ICP</b>		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		
<b>6020 MET ICPMS</b>		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		
<b>7470 Mercury</b>		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		
<b>2540C Total Dissolved Solids</b>		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			
<b>2320B Alkalinity</b>		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		01/31/23 15:02			
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		01/31/23 15:02			
Alkalinity, Total as CaCO <sub>3</sub>	ND	mg/L	5.0	5.0	1		01/31/23 15:02			
<b>300.0 IC Anions 28 Days</b>		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				
<b>6010D ATL ICP</b>									
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	<b>0.026J</b>	mg/L	0.040	0.025	1	01/31/23 17:12	02/06/23 12:43	7439-89-6	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 15:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/01/23 15:07		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/01/23 15:07		
<b>300.0 IC Anions 28 Days</b>									
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
<b>Field Data</b>									
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		
<b>6010D ATL ICP</b>									
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
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>28.2</b>	mg/L	1.0	0.60	1		02/03/23 22:08	16887-00-6	
Fluoride	<b>0.058J</b>	mg/L	0.10	0.050	1		02/03/23 22:08	16984-48-8	
Sulfate	<b>97.3</b>	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
<b>Field Data</b>									
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		
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
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

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**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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>3.1</b>	mg/L	1.0	0.60	1		02/03/23 23:26	16887-00-6	
Fluoride	<b>0.077J</b>	mg/L	0.10	0.050	1		02/03/23 23:26	16984-48-8	
Sulfate	<b>38.2</b>	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			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CLIENT</b>				1		03/15/23 10:21		
Collected By	<b>WL</b>				1		03/15/23 10:21		
Collected Date	<b>01/27/23</b>				1		03/15/23 10:21		
Collected Time	<b>13:18</b>				1		03/15/23 10:21		
pH	<b>7.76</b>	Std. Units			1		03/15/23 10:21		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.12</b>	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 13:57	7439-89-6	
Manganese	<b>0.0068J</b>	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 13:57	7439-96-5	
Potassium	<b>1.5</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 13:57	7440-09-7	
Sodium	<b>2.1</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 13:57	7440-23-5	
Calcium	<b>46.5</b>	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 13:57	7440-70-2	
Magnesium	<b>26.4</b>	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 13:57	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.021</b>	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	<b>0.026J</b>	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	<b>0.0021J</b>	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	<b>0.0030J</b>	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	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00021</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:10	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>342</b>	mg/L	25.0	25.0	1		02/02/23 19:18		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>172</b>	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	<b>172</b>	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			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>300.0 IC Anions 28 Days</b>									
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			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CLIENT</b>				1		03/15/23 10:22		
Collected By	<b>MD</b>				1		03/15/23 10:22		
Collected Date	<b>01/27/23</b>				1		03/15/23 10:22		
Collected Time	<b>13:30</b>				1		03/15/23 10:22		
pH	<b>7.14</b>	Std. Units			1		03/15/23 10:22		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.44</b>	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:21	7439-89-6	
Manganese	<b>0.24</b>	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:21	7439-96-5	
Potassium	<b>0.80</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:21	7440-09-7	
Sodium	<b>4.7</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:21	7440-23-5	
Calcium	<b>48.8</b>	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 14:21	7440-70-2	
Magnesium	<b>23.2</b>	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:21	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.015</b>	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	<b>0.029J</b>	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	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00015J</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:13	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>310</b>	mg/L	25.0	25.0	1		02/02/23 19:18		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>242</b>	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	<b>242</b>	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

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**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				
<b>300.0 IC Anions 28 Days</b>									
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				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CLIENT</b>				1		03/15/23 10:24		
Collected By	<b>MD</b>				1		03/15/23 10:24		
Collected Date	<b>01/27/23</b>				1		03/15/23 10:24		
Collected Time	<b>11:20</b>				1		03/15/23 10:24		
pH	<b>6.80</b>	Std. Units			1		03/15/23 10:24		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>1.9</b>	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:26	7439-89-6	
Manganese	<b>0.15</b>	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:26	7439-96-5	
Potassium	<b>1.4</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:26	7440-09-7	
Sodium	<b>7.8</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:26	7440-23-5	
Calcium	<b>75.9</b>	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 14:26	7440-70-2	
Magnesium	<b>36.4</b>	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:26	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.0035J</b>	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 19:38	7440-38-2	
Barium	<b>0.042</b>	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	<b>0.74</b>	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	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00014J</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:16	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>433</b>	mg/L	25.0	25.0	1		02/02/23 19:18		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>219</b>	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	<b>219</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>30.0</b>	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	<b>126</b>	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				
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A    Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00014J</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:18	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>85.0</b>	mg/L	25.0	25.0	1		02/02/23 19:19		
<b>2320B Alkalinity</b>									
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		
<b>300.0 IC Anions 28 Days</b>									
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	

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: BOW-BGWC-20</b>									
<b>Lab ID: 92649235027</b>									
Collected: 01/30/23 11:07									
Received: 01/31/23 14:30									
Matrix: Water									
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CLIENT</b>				1		03/15/23 10:24		
Collected By	<b>WL</b>				1		03/15/23 10:24		
Collected Date	<b>01/30/23</b>				1		03/15/23 10:24		
Collected Time	<b>11:07</b>				1		03/15/23 10:24		
pH	<b>7.18</b>	Std. Units			1		03/15/23 10:24		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>309</b>	mg/L	5.0	0.61	5	02/22/23 17:23	02/24/23 14:11	7440-70-2	
Iron	<b>0.18</b>	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:36	7439-89-6	
Manganese	<b>0.77</b>	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:36	7439-96-5	
Potassium	<b>8.4</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:36	7440-09-7	
Sodium	<b>31.4</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:36	7440-23-5	
Magnesium	<b>46.3</b>	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:36	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.036</b>	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	<b>4.7</b>	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	<b>0.059</b>	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 19:50	7439-93-2	
Molybdenum	<b>0.035</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>1280</b>	mg/L	25.0	25.0	1		02/02/23 20:25		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	<b>104</b>	mg/L	5.0	5.0	1		02/03/23 20:17		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/03/23 20:17		
Alkalinity, Total as CaCO <sub>3</sub>	<b>104</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>156</b>	mg/L	13.0	7.8	13		02/04/23 08:02	16887-00-6	
Fluoride	<b>0.064J</b>	mg/L	0.10	0.050	1		02/03/23 19:21	16984-48-8	
Sulfate	<b>622</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
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		
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>45.7</b>	mg/L	1.0	0.60	1		02/03/23 20:05	16887-00-6	
Fluoride	<b>0.060J</b>	mg/L	0.10	0.050	1		02/03/23 20:05	16984-48-8	
Sulfate	<b>163</b>	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				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CLIENT</b>				1		03/15/23 10:27		
Collected By	<b>MD</b>				1		03/15/23 10:27		
Collected Date	<b>01/30/23</b>				1		03/15/23 10:27		
Collected Time	<b>10:35</b>				1		03/15/23 10:27		
pH	<b>6.75</b>	Std. Units			1		03/15/23 10:27		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.71</b>	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:46	7439-89-6	
Manganese	<b>0.70</b>	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:46	7439-96-5	
Potassium	<b>10.1</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:46	7440-09-7	
Sodium	<b>42.1</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:46	7440-23-5	
Magnesium	<b>116</b>	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 14:46	7439-95-4	
Calcium	<b>607</b>	mg/L	5.0	0.61	5	02/22/23 17:23	02/24/23 14:15	7440-70-2	
<b>6020 MET ICPMS</b>									
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	<b>0.0050J</b>	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 20:14	7440-38-2	
Barium	<b>0.059</b>	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	<b>13.8</b>	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	<b>0.0029J</b>	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	<b>0.021J</b>	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 20:14	7439-93-2	
Molybdenum	<b>0.035</b>	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	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00014J</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:26	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>2720</b>	mg/L	50.0	50.0	1		02/02/23 20:26		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>120</b>	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	<b>120</b>	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

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**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 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	<b>851</b>	mg/L	17.0	10.2	17		02/04/23 09:01	16887-00-6	
Fluoride	<b>0.17</b>	mg/L	0.10	0.050	1		02/03/23 20:20	16984-48-8	
Sulfate	<b>687</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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**Field Data**

Analytical Method:  
Pace Analytical Services - Charlotte

Performed by	<b>CLIENT</b>				1		03/15/23 10:29		
Collected By	<b>MD</b>				1		03/15/23 10:29		
Collected Date	<b>01/30/23</b>				1		03/15/23 10:29		
Collected Time	<b>12:35</b>				1		03/15/23 10:29		
pH	<b>7.21</b>	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	<b>0.58</b>	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 14:51	7439-89-6	
Manganese	<b>0.031J</b>	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 14:51	7439-96-5	
Potassium	<b>1.9</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 14:51	7440-09-7	
Sodium	<b>11.1</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 14:51	7440-23-5	
Calcium	<b>112</b>	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 14:51	7440-70-2	
Magnesium	<b>46.6</b>	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	<b>0.0074</b>	mg/L	0.0050	0.0022	1	02/27/23 12:04	02/27/23 20:20	7440-38-2	
Barium	<b>0.087</b>	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	<b>1.4</b>	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	<b>0.0025J</b>	mg/L	0.030	0.00073	1	02/27/23 12:04	02/27/23 20:20	7439-93-2	
Molybdenum	<b>0.014</b>	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	<b>720</b>	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)	<b>169</b>	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	<b>169</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>152</b>	mg/L	3.0	1.8	3		02/04/23 09:15	16887-00-6	
Fluoride	<b>0.16</b>	mg/L	0.10	0.050	1		02/03/23 20:35	16984-48-8	
Sulfate	<b>136</b>	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
<b>Field Data</b>									
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		
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
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

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**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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**300.0 IC Anions 28 Days**

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

Chloride	<b>122</b>	mg/L	2.0	1.2	2		02/04/23 09:30	16887-00-6	
Fluoride	<b>0.64</b>	mg/L	0.10	0.050	1		02/03/23 21:35	16984-48-8	
Sulfate	<b>121</b>	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
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
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		
<b>300.0 IC Anions 28 Days</b>									
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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
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		
<b>300.0 IC Anions 28 Days</b>									
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			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:44		
Collected By	<b>WL</b>				1		02/13/23 17:44		
Collected Date	<b>1/31/23</b>				1		02/13/23 17:44		
Collected Time	<b>12:22</b>				1		02/13/23 17:44		
pH	<b>7.18</b>	Std. Units			1		02/13/23 17:44		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.071</b>	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:20	7439-89-6	
Manganese	<b>0.15</b>	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:20	7439-96-5	
Potassium	<b>4.0</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:20	7440-09-7	
Sodium	<b>18.1</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:20	7440-23-5	
Magnesium	<b>69.0</b>	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:20	7439-95-4	
Calcium	<b>256</b>	mg/L	5.0	0.61	5	02/22/23 17:23	02/24/23 14:20	7440-70-2	
<b>6020 MET ICPMS</b>									
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	<b>0.0040J</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 14:27	7440-38-2	
Barium	<b>0.10</b>	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	<b>4.2</b>	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	<b>0.0029J</b>	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	<b>0.0039J</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>1240</b>	mg/L	25.0	25.0	1		02/06/23 17:52		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>186</b>	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	<b>186</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>298</b>	mg/L	6.0	3.6	6		02/07/23 16:49	16887-00-6	
Fluoride	<b>0.13</b>	mg/L	0.10	0.050	1		02/06/23 20:22	16984-48-8	
Sulfate	<b>300</b>	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				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:45		
Collected By	<b>MD</b>				1		02/13/23 17:45		
Collected Date	<b>1/31/23</b>				1		02/13/23 17:45		
Collected Time	<b>10:40</b>				1		02/13/23 17:45		
pH	<b>6.86</b>	Std. Units			1		02/13/23 17:45		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.092</b>	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	<b>2.2</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:25	7440-09-7	
Sodium	<b>8.1</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:25	7440-23-5	
Calcium	<b>133</b>	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 15:25	7440-70-2	
Magnesium	<b>40.1</b>	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:25	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.0022J</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 14:33	7440-38-2	
Barium	<b>0.047</b>	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	<b>3.0</b>	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	<b>0.0050J</b>	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 14:33	7440-47-3	B
Cobalt	<b>0.00046J</b>	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	<b>0.0097</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>671</b>	mg/L	25.0	25.0	1		02/06/23 17:52		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO <sub>3</sub> )	<b>214</b>	mg/L	5.0	5.0	1		02/07/23 11:10		
Alkalinity,Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/07/23 11:10		
Alkalinity, Total as CaCO <sub>3</sub>	<b>214</b>	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

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: BOW-BGWC-40</b>									
<b>Lab ID: 92649235035</b>									
Collected: 01/31/23 10:40									
Received: 02/02/23 08:40									
Matrix: Water									
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>123</b>	mg/L	3.0	1.8	3		02/07/23 17:07	16887-00-6	
Fluoride	<b>0.084J</b>	mg/L	0.10	0.050	1		02/06/23 20:41	16984-48-8	
Sulfate	<b>128</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:46		
Collected By	<b>MD</b>				1		02/13/23 17:46		
Collected Date	<b>1/31/23</b>				1		02/13/23 17:46		
Collected Time	<b>13:00</b>				1		02/13/23 17:46		
pH	<b>6.87</b>	Std. Units			1		02/13/23 17:46		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.14</b>	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:29	7439-89-6	
Manganese	<b>0.0091J</b>	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:29	7439-96-5	
Potassium	<b>5.4</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:29	7440-09-7	
Sodium	<b>10.5</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:29	7440-23-5	
Calcium	<b>111</b>	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 15:29	7440-70-2	
Magnesium	<b>24.7</b>	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:29	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.011</b>	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 14:39	7440-39-3	
Beryllium	<b>0.000072J</b>	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 14:39	7440-41-7	
Boron	<b>2.4</b>	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	<b>0.0058</b>	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	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00021</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:50	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>664</b>	mg/L	25.0	25.0	1		02/06/23 17:52		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>160</b>	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	<b>160</b>	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

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**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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>85.6</b>	mg/L	1.0	0.60	1		02/06/23 21:00	16887-00-6	
Fluoride	<b>0.15</b>	mg/L	0.10	0.050	1		02/06/23 21:00	16984-48-8	
Sulfate	<b>135</b>	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			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:47		
Collected By	<b>MD</b>				1		02/13/23 17:47		
Collected Date	<b>1/31/23</b>				1		02/13/23 17:47		
Collected Time	<b>15:00</b>				1		02/13/23 17:47		
pH	<b>7.56</b>	Std. Units			1		02/13/23 17:47		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.26</b>	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:34	7439-89-6	
Manganese	<b>0.34</b>	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:34	7439-96-5	
Potassium	<b>2.8</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:34	7440-09-7	
Sodium	<b>8.9</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:34	7440-23-5	
Calcium	<b>62.8</b>	mg/L	1.0	0.12	1	02/22/23 17:23	02/23/23 15:34	7440-70-2	
Magnesium	<b>13.5</b>	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:34	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.032</b>	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	<b>1.1</b>	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	<b>0.0016J</b>	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:05	7440-47-3	B
Cobalt	<b>0.0045J</b>	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	<b>0.0011J</b>	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:05	7439-93-2	
Molybdenum	<b>0.0087J</b>	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	<b>0.00020J</b>	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:05	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A      Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00018J</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 10:52	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>286</b>	mg/L	25.0	25.0	1		02/06/23 17:52		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>103</b>	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	<b>103</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions 28 Days</b>									
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				
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>48.0</b>	mg/L	25.0	25.0	1		02/06/23 17:53		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/04/23 20:22		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/04/23 20:22		
Alkalinity, Total as CaCO <sub>3</sub>	ND	mg/L	5.0	5.0	1		02/04/23 20:22		
<b>300.0 IC Anions 28 Days</b>									
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 Limit			MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>											
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		
<b>6020 MET ICPMS</b>											
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		
<b>7470 Mercury</b>											
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		
<b>2540C Total Dissolved Solids</b>											
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			
<b>2320B Alkalinity</b>											
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			
<b>300.0 IC Anions 28 Days</b>											
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
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:48		
Collected By	<b>WL</b>				1		02/13/23 17:48		
Collected Date	<b>2/1/23</b>				1		02/13/23 17:48		
Collected Time	<b>14:43</b>				1		02/13/23 17:48		
pH	<b>6.68</b>	Std. Units			1		02/13/23 17:48		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>ND</b>	mg/L	0.040	0.025	1	02/22/23 17:23	02/23/23 15:49	7439-89-6	
Manganese	<b>2.4</b>	mg/L	0.040	0.0043	1	02/22/23 17:23	02/23/23 15:49	7439-96-5	
Potassium	<b>7.4</b>	mg/L	0.20	0.15	1	02/22/23 17:23	02/23/23 15:49	7440-09-7	
Sodium	<b>13.1</b>	mg/L	1.0	0.58	1	02/22/23 17:23	02/23/23 15:49	7440-23-5	
Magnesium	<b>75.5</b>	mg/L	0.050	0.012	1	02/22/23 17:23	02/23/23 15:49	7439-95-4	
Calcium	<b>552</b>	mg/L	5.0	0.61	5	02/22/23 17:23	02/24/23 14:45	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>ND</b>	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 15:22	7440-36-0	
Arsenic	<b>0.0042J</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:22	7440-38-2	
Barium	<b>0.052</b>	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 15:22	7440-39-3	
Beryllium	<b>0.00031J</b>	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 15:22	7440-41-7	
Boron	<b>18.4</b>	mg/L	0.40	0.086	10	02/27/23 17:09	02/28/23 17:33	7440-42-8	
Cadmium	<b>0.0032</b>	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 15:22	7440-43-9	
Chromium	<b>ND</b>	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 15:22	7440-47-3	
Cobalt	<b>0.0024J</b>	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 15:22	7440-48-4	
Lead	<b>ND</b>	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 15:22	7439-92-1	
Lithium	<b>0.0063J</b>	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:22	7439-93-2	
Molybdenum	<b>ND</b>	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:22	7439-98-7	
Selenium	<b>0.0060</b>	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 15:22	7782-49-2	
Thallium	<b>0.00035J</b>	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 15:22	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00059</b>	mg/L	0.00020	0.00013	1	02/16/23 16:05	02/17/23 11:00	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>2550</b>	mg/L	50.0	50.0	1		02/08/23 18:56		D6
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	<b>146</b>	mg/L	5.0	5.0	1		02/07/23 17:19		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	<b>ND</b>	mg/L	5.0	5.0	1		02/07/23 17:19		
Alkalinity, Total as CaCO <sub>3</sub>	<b>146</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>789</b>	mg/L	16.0	9.6	16		02/07/23 17:45	16887-00-6	
Fluoride	<b>0.18</b>	mg/L	0.10	0.050	1		02/06/23 23:31	16984-48-8	
Sulfate	<b>395</b>	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				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1	02/13/23 17:49			
Collected By	<b>MD</b>				1	02/13/23 17:49			
Collected Date	<b>2/1/23</b>				1	02/13/23 17:49			
Collected Time	<b>15:30</b>				1	02/13/23 17:49			
pH	<b>7.15</b>	Std. Units			1	02/13/23 17:49			
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.16</b>	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 16:19	7439-89-6	
Manganese	<b>0.0090J</b>	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 16:19	7439-96-5	
Potassium	<b>2.8</b>	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 16:19	7440-09-7	
Sodium	<b>5.8</b>	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 16:19	7440-23-5	
Calcium	<b>113</b>	mg/L	1.0	0.12	1	02/23/23 10:34	02/23/23 16:19	7440-70-2	M1
Magnesium	<b>36.0</b>	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 16:19	7439-95-4	M1
<b>6020 MET ICPMS</b>									
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	<b>0.0024J</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:28	7440-38-2	
Barium	<b>0.062</b>	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	<b>3.2</b>	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	<b>0.0018J</b>	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:28	7439-93-2	
Molybdenum	<b>0.0058J</b>	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:28	7439-98-7	
Selenium	<b>0.010</b>	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	
<b>7470 Mercury</b>									
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
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>745</b>	mg/L	25.0	25.0	1		02/06/23 13:43		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>161</b>	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	<b>161</b>	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

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**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 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	<b>154</b>	mg/L	3.0	1.8	3		02/07/23 18:04	16887-00-6	
Fluoride	<b>0.092J</b>	mg/L	0.10	0.050	1		02/06/23 23:50	16984-48-8	
Sulfate	<b>75.5</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:50		
Collected By	<b>MD</b>				1		02/13/23 17:50		
Collected Date	<b>2/1/23</b>				1		02/13/23 17:50		
Collected Time	<b>13:50</b>				1		02/13/23 17:50		
pH	<b>6.64</b>	Std. Units			1		02/13/23 17:50		
<b>6010D ATL ICP</b>									
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	<b>0.024J</b>	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 16:38	7439-96-5	
Potassium	<b>3.4</b>	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 16:38	7440-09-7	
Sodium	<b>14.9</b>	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 16:38	7440-23-5	
Calcium	<b>132</b>	mg/L	1.0	0.12	1	02/23/23 10:34	02/23/23 16:38	7440-70-2	
Magnesium	<b>44.0</b>	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 16:38	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.0032J</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:34	7440-38-2	
Barium	<b>0.058</b>	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	<b>3.8</b>	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	<b>0.0013J</b>	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:34	7439-93-2	
Molybdenum	<b>0.0083J</b>	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:34	7439-98-7	
Selenium	<b>0.0098</b>	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	
<b>7470 Mercury</b>									
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
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>948</b>	mg/L	25.0	25.0	1		02/06/23 13:44		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>113</b>	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	<b>113</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>240</b>	mg/L	5.0	3.0	5		02/07/23 19:00	16887-00-6	
Fluoride	<b>0.13</b>	mg/L	0.10	0.050	1		02/07/23 00:09	16984-48-8	
Sulfate	<b>118</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:50		
Collected By	<b>WL</b>				1		02/13/23 17:50		
Collected Date	<b>2/1/23</b>				1		02/13/23 17:50		
Collected Time	<b>10:13</b>				1		02/13/23 17:50		
pH	<b>7.05</b>	Std. Units			1		02/13/23 17:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>228</b>	mg/L	5.0	0.61	5	02/23/23 10:34	02/24/23 13:35	7440-70-2	
Iron	<b>0.99</b>	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 16:43	7439-89-6	
Manganese	<b>0.038J</b>	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 16:43	7439-96-5	
Potassium	<b>1.2</b>	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 16:43	7440-09-7	
Sodium	<b>29.9</b>	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 16:43	7440-23-5	
Magnesium	<b>95.6</b>	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 16:43	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.0084</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:40	7440-38-2	
Barium	<b>0.071</b>	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	<b>1.5</b>	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	<b>0.00067J</b>	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	<b>0.0019J</b>	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:40	7439-93-2	
Molybdenum	<b>0.0092J</b>	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 15:40	7439-98-7	
Selenium	<b>0.0016J</b>	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	
<b>7470 Mercury</b>									
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
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>1500</b>	mg/L	25.0	25.0	1		02/06/23 13:44		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>118</b>	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	<b>118</b>	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

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**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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>393</b>	mg/L	8.0	4.8	8		02/07/23 19:19	16887-00-6	
Fluoride	<b>0.084J</b>	mg/L	0.10	0.050	1		02/07/23 00:28	16984-48-8	
Sulfate	<b>345</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:51		
Collected By	<b>MD</b>				1		02/13/23 17:51		
Collected Date	<b>2/1/23</b>				1		02/13/23 17:51		
Collected Time	<b>11:15</b>				1		02/13/23 17:51		
pH	<b>7.17</b>	Std. Units			1		02/13/23 17:51		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>236</b>	mg/L	5.0	0.61	5	02/23/23 10:34	02/24/23 13:40	7440-70-2	
Iron	<b>0.87</b>	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 16:48	7439-89-6	
Manganese	<b>0.29</b>	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 16:48	7439-96-5	
Potassium	<b>3.4</b>	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 16:48	7440-09-7	
Sodium	<b>33.4</b>	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 16:48	7440-23-5	
Magnesium	<b>92.3</b>	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 16:48	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.0073</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 15:46	7440-38-2	
Barium	<b>0.055</b>	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	<b>7.5</b>	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	<b>0.00089J</b>	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	<b>0.0042J</b>	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 15:46	7439-93-2	
Molybdenum	<b>0.0072J</b>	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	
<b>7470 Mercury</b>									
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
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>1820</b>	mg/L	25.0	25.0	1		02/06/23 13:44		D6
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>104</b>	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	<b>104</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>468</b>	mg/L	10.0	6.0	10		02/07/23 19:37	16887-00-6	
Fluoride	<b>0.085J</b>	mg/L	0.10	0.050	1		02/07/23 00:47	16984-48-8	
Sulfate	<b>232</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
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		
<b>300.0 IC Anions 28 Days</b>									
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				
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>29.0</b>	mg/L	25.0	25.0	1		02/06/23 13:45		
<b>2320B Alkalinity</b>									
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		
<b>300.0 IC Anions 28 Days</b>									
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 Limit			MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>											
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		
<b>6020 MET ICPMS</b>											
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		
<b>7470 Mercury</b>											
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	
<b>2540C Total Dissolved Solids</b>											
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA											
Total Dissolved Solids	<b>60.0</b>	mg/L	25.0	25.0	1			02/06/23 13:46			
<b>2320B Alkalinity</b>											
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			
<b>300.0 IC Anions 28 Days</b>											
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			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:53		
Collected By	<b>MD</b>				1		02/13/23 17:53		
Collected Date	<b>2/2/23</b>				1		02/13/23 17:53		
Collected Time	<b>9:55</b>				1		02/13/23 17:53		
pH	<b>6.70</b>	Std. Units			1		02/13/23 17:53		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>2.2</b>	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 17:17	7439-89-6	
Manganese	<b>0.090</b>	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 17:17	7439-96-5	
Potassium	<b>3.7</b>	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 17:17	7440-09-7	
Sodium	<b>6.3</b>	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 17:17	7440-23-5	
Calcium	<b>81.4</b>	mg/L	1.0	0.12	1	02/23/23 10:34	02/23/23 17:17	7440-70-2	
Magnesium	<b>32.8</b>	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 17:17	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.010</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 16:36	7440-38-2	
Barium	<b>0.085</b>	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	<b>0.0092J</b>	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	<b>0.00051J</b>	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	<b>0.0077J</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>368</b>	mg/L	25.0	25.0	1		02/08/23 18:53		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>367</b>	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	<b>367</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>3.4</b>	mg/L	1.0	0.60	1		02/09/23 17:02	16887-00-6	
Fluoride	<b>0.077J</b>	mg/L	0.10	0.050	1		02/09/23 17:02	16984-48-8	
Sulfate	<b>7.3</b>	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			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:54		
Collected By	<b>MD</b>				1		02/13/23 17:54		
Collected Date	<b>2/2/23</b>				1		02/13/23 17:54		
Collected Time	<b>10:40</b>				1		02/13/23 17:54		
pH	<b>6.80</b>	Std. Units			1		02/13/23 17:54		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.28</b>	mg/L	0.040	0.025	1	02/23/23 10:34	02/23/23 17:21	7439-89-6	
Manganese	<b>0.25</b>	mg/L	0.040	0.0043	1	02/23/23 10:34	02/23/23 17:21	7439-96-5	
Potassium	<b>9.0</b>	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 17:21	7440-09-7	
Sodium	<b>32.1</b>	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 17:21	7440-23-5	
Magnesium	<b>114</b>	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 17:21	7439-95-4	
Calcium	<b>543</b>	mg/L	5.0	0.61	5	02/23/23 10:34	02/24/23 13:50	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.0070</b>	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 16:42	7440-36-0	
Arsenic	<b>0.010</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 16:42	7440-38-2	
Barium	<b>0.088</b>	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	<b>13.1</b>	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	<b>0.025J</b>	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 16:42	7439-93-2	
Molybdenum	<b>0.0078J</b>	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 16:42	7439-98-7	
Selenium	<b>0.0019J</b>	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 16:42	7782-49-2	
Thallium	<b>0.00027J</b>	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 16:42	7440-28-0	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>2680</b>	mg/L	25.0	25.0	1		02/08/23 18:53		1g
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	<b>140</b>	mg/L	5.0	5.0	1		02/14/23 14:10		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/14/23 14:10		
Alkalinity, Total as CaCO <sub>3</sub>	<b>140</b>	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

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**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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>737</b>	mg/L	11.0	6.6	11		02/10/23 02:51	16887-00-6	
Fluoride	<b>0.074J</b>	mg/L	0.10	0.050	1		02/09/23 17:16	16984-48-8	
Sulfate	<b>514</b>	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				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:54		
Collected By	<b>WL</b>				1		02/13/23 17:54		
Collected Date	<b>2/2/23</b>				1		02/13/23 17:54		
Collected Time	<b>11:42</b>				1		02/13/23 17:54		
pH	<b>6.93</b>	Std. Units			1		02/13/23 17:54		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>267</b>	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	<b>5.7</b>	mg/L	0.20	0.15	1	02/23/23 10:34	02/23/23 17:26	7440-09-7	
Sodium	<b>14.5</b>	mg/L	1.0	0.58	1	02/23/23 10:34	02/23/23 17:26	7440-23-5	
Magnesium	<b>36.9</b>	mg/L	0.050	0.012	1	02/23/23 10:34	02/23/23 17:26	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.0048J</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 16:47	7440-38-2	
Barium	<b>0.039</b>	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	<b>5.1</b>	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	<b>0.0029J</b>	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 16:47	7439-93-2	
Molybdenum	<b>0.0035J</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>1220</b>	mg/L	25.0	25.0	1		02/08/23 18:53		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	<b>222</b>	mg/L	5.0	5.0	1		02/14/23 17:43		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/14/23 17:43		
Alkalinity, Total as CaCO <sub>3</sub>	<b>222</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>224</b>	mg/L	5.0	3.0	5		02/10/23 03:06	16887-00-6	
Fluoride	<b>0.098J</b>	mg/L	0.10	0.050	1		02/09/23 17:59	16984-48-8	
Sulfate	<b>226</b>	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
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:55		
Collected By	<b>WL</b>				1		02/13/23 17:55		
Collected Date	<b>2/2/23</b>				1		02/13/23 17:55		
Collected Time	<b>13:05</b>				1		02/13/23 17:55		
pH	<b>6.40</b>	Std. Units			1		02/13/23 17:55		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>ND</b>	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 19:12	7439-89-6	
Manganese	<b>0.014J</b>	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 19:12	7439-96-5	
Potassium	<b>2.0</b>	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 19:12	7440-09-7	
Sodium	<b>14.1</b>	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 19:12	7440-23-5	
Calcium	<b>96.8</b>	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 19:12	7440-70-2	
Magnesium	<b>20.7</b>	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 19:12	7439-95-4	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>ND</b>	mg/L	0.0030	0.00078	1	02/27/23 17:09	02/28/23 16:53	7440-36-0	
Arsenic	<b>0.0037J</b>	mg/L	0.0050	0.0022	1	02/27/23 17:09	02/28/23 16:53	7440-38-2	
Barium	<b>0.022</b>	mg/L	0.0050	0.00067	1	02/27/23 17:09	02/28/23 16:53	7440-39-3	
Beryllium	<b>0.000072J</b>	mg/L	0.00050	0.000054	1	02/27/23 17:09	02/28/23 16:53	7440-41-7	
Boron	<b>1.0</b>	mg/L	0.040	0.0086	1	02/27/23 17:09	02/28/23 16:53	7440-42-8	
Cadmium	<b>ND</b>	mg/L	0.00050	0.00011	1	02/27/23 17:09	02/28/23 16:53	7440-43-9	
Chromium	<b>ND</b>	mg/L	0.0050	0.0011	1	02/27/23 17:09	02/28/23 16:53	7440-47-3	
Cobalt	<b>ND</b>	mg/L	0.0050	0.00039	1	02/27/23 17:09	02/28/23 16:53	7440-48-4	
Lead	<b>ND</b>	mg/L	0.0010	0.00089	1	02/27/23 17:09	02/28/23 16:53	7439-92-1	
Lithium	<b>ND</b>	mg/L	0.030	0.00073	1	02/27/23 17:09	02/28/23 16:53	7439-93-2	
Molybdenum	<b>ND</b>	mg/L	0.010	0.00074	1	02/27/23 17:09	02/28/23 16:53	7439-98-7	
Selenium	<b>ND</b>	mg/L	0.0050	0.0014	1	02/27/23 17:09	02/28/23 16:53	7782-49-2	
Thallium	<b>ND</b>	mg/L	0.0010	0.00018	1	02/27/23 17:09	02/28/23 16:53	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>0.00015J</b>	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 15:47	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>420</b>	mg/L	25.0	25.0	1		02/08/23 18:53		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>156</b>	mg/L	5.0	5.0	1		02/14/23 14:30		
Alkalinity,Carbonate (CaCO3)	<b>ND</b>	mg/L	5.0	5.0	1		02/14/23 14:30		
Alkalinity, Total as CaCO3	<b>156</b>	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			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>12.6</b>	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	<b>163</b>	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 Limit			MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>											
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		
<b>6020 MET ICPMS</b>											
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		
<b>7470 Mercury</b>											
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		
<b>2540C Total Dissolved Solids</b>											
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			
<b>2320B Alkalinity</b>											
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			
<b>300.0 IC Anions 28 Days</b>											
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 Limit		MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>										
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		
<b>6020 MET ICPMS</b>										
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		
<b>7470 Mercury</b>										
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		
<b>2540C Total Dissolved Solids</b>										
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA										
Total Dissolved Solids	<b>31.3</b>	mg/L	25.0	25.0	1		02/08/23 18:54			
<b>2320B Alkalinity</b>										
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			
<b>300.0 IC Anions 28 Days</b>										
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			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:56		
Collected By	<b>MD</b>				1		02/13/23 17:56		
Collected Date	<b>2/7/23</b>				1		02/13/23 17:56		
Collected Time	<b>11:00</b>				1		02/13/23 17:56		
pH	<b>6.44</b>	Std. Units			1		02/13/23 17:56		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.072</b>	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 19:41	7439-89-6	
Manganese	<b>5.1</b>	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 19:41	7439-96-5	
Potassium	<b>13.5</b>	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 19:41	7440-09-7	
Sodium	<b>33.3</b>	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 19:41	7440-23-5	
Magnesium	<b>81.1</b>	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 19:41	7439-95-4	
Calcium	<b>583</b>	mg/L	5.0	0.61	5	02/23/23 17:37	02/25/23 14:04	7440-70-2	
<b>6020 MET ICPMS</b>									
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	<b>0.0028J</b>	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 13:57	7440-38-2	
Barium	<b>0.058</b>	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 13:57	7440-39-3	
Beryllium	<b>0.00013J</b>	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 13:57	7440-41-7	
Boron	<b>16.9</b>	mg/L	0.40	0.086	10	02/28/23 10:21	03/02/23 14:03	7440-42-8	
Cadmium	<b>0.0010</b>	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	<b>0.017</b>	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	<b>0.018J</b>	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 13:57	7439-93-2	
Molybdenum	<b>0.032</b>	mg/L	0.010	0.00074	1	02/28/23 10:21	03/02/23 13:57	7439-98-7	
Selenium	<b>0.0016J</b>	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 13:57	7782-49-2	
Thallium	<b>0.00080J</b>	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 13:57	7440-28-0	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>2490</b>	mg/L	25.0	25.0	1		02/13/23 11:43		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	<b>85.3</b>	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	<b>85.3</b>	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 Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	<b>803</b>	mg/L	16.0	9.6	16		02/15/23 11:15	16887-00-6	
Fluoride	<b>0.26</b>	mg/L	0.10	0.050	1		02/15/23 07:03	16984-48-8	
Sulfate	<b>707</b>	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
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:57		
Collected By	<b>WL</b>				1		02/13/23 17:57		
Collected Date	<b>2/7/23</b>				1		02/13/23 17:57		
Collected Time	<b>15:36</b>				1		02/13/23 17:57		
pH	<b>5.99</b>	Std. Units			1		02/13/23 17:57		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>ND</b>	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 19:46	7439-89-6	
Manganese	<b>0.14</b>	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 19:46	7439-96-5	
Potassium	<b>1.1</b>	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 19:46	7440-09-7	
Sodium	<b>6.4</b>	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 19:46	7440-23-5	
Calcium	<b>61.3</b>	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 19:46	7440-70-2	
Magnesium	<b>22.2</b>	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 19:46	7439-95-4	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.00082J</b>	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 14:23	7440-36-0	
Arsenic	<b>ND</b>	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 14:23	7440-38-2	
Barium	<b>0.11</b>	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 14:23	7440-39-3	
Beryllium	<b>0.000087J</b>	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 14:23	7440-41-7	
Boron	<b>1.8</b>	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 14:23	7440-42-8	
Cadmium	<b>ND</b>	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 14:23	7440-43-9	
Chromium	<b>ND</b>	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 14:23	7440-47-3	
Cobalt	<b>0.0014J</b>	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 14:23	7440-48-4	
Lead	<b>ND</b>	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 14:23	7439-92-1	
Lithium	<b>0.0011J</b>	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 14:23	7439-93-2	
Molybdenum	<b>0.020</b>	mg/L	0.010	0.00074	1	02/28/23 10:21	03/02/23 14:23	7439-98-7	
Selenium	<b>ND</b>	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 14:23	7782-49-2	
Thallium	<b>ND</b>	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 14:23	7440-28-0	
<b>7470 Mercury</b>									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	<b>ND</b>	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 15:57	7439-97-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>348</b>	mg/L	25.0	25.0	1		02/13/23 11:44		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	<b>73.6</b>	mg/L	5.0	5.0	1		02/16/23 12:25		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	<b>ND</b>	mg/L	5.0	5.0	1		02/16/23 12:25		
Alkalinity, Total as CaCO <sub>3</sub>	<b>73.6</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>93.7</b>	mg/L	1.0	0.60	1		02/14/23 15:50	16887-00-6	
Fluoride	<b>0.11</b>	mg/L	0.10	0.050	1		02/14/23 15:50	16984-48-8	M1
Sulfate	<b>42.6</b>	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				
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>Client</b>				1		02/13/23 17:57		
Collected By	<b>WL</b>				1		02/13/23 17:57		
Collected Date	<b>2/7/23</b>				1		02/13/23 17:57		
Collected Time	<b>11:39</b>				1		02/13/23 17:57		
pH	<b>7.03</b>	Std. Units			1		02/13/23 17:57		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	<b>0.26</b>	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:01	7439-89-6	
Manganese	<b>1.2</b>	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:01	7439-96-5	
Potassium	<b>4.4</b>	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:01	7440-09-7	
Sodium	<b>24.6</b>	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:01	7440-23-5	
Calcium	<b>184</b>	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:01	7440-70-2	
Magnesium	<b>42.1</b>	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:01	7439-95-4	
<b>6020 MET ICPMS</b>									
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	<b>0.059</b>	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	<b>6.9</b>	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 14:29	7440-42-8	
Cadmium	<b>0.00014J</b>	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	<b>0.0016J</b>	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	<b>0.016J</b>	mg/L	0.030	0.00073	1	02/28/23 10:21	03/02/23 14:29	7439-93-2	
Molybdenum	<b>0.13</b>	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	<b>0.0011</b>	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 14:29	7440-28-0	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>992</b>	mg/L	25.0	25.0	1		02/13/23 11:44		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	<b>144</b>	mg/L	5.0	5.0	1		02/16/23 12:43		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/16/23 12:43		
Alkalinity, Total as CaCO <sub>3</sub>	<b>144</b>	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				
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>226</b>	mg/L	5.0	3.0	5		02/15/23 01:43	16887-00-6	
Fluoride	<b>0.97</b>	mg/L	0.10	0.050	1		02/14/23 16:35	16984-48-8	
Sulfate	<b>167</b>	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
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
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		
<b>2320B Alkalinity</b>									
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
<b>300.0 IC Anions 28 Days</b>									
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				
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	<b>0.036J</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>59.0</b>	mg/L	25.0	25.0	1		02/13/23 11:45		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/16/23 13:19		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/16/23 13:19		
Alkalinity, Total as CaCO <sub>3</sub>	ND	mg/L	5.0	5.0	1		02/16/23 13:19		
<b>300.0 IC Anions 28 Days</b>									
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				
<b>6010D ATL ICP</b>									
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	
<b>6020 MET ICPMS</b>									
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	<b>0.011J</b>	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	
<b>7470 Mercury</b>									
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	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>189</b>	mg/L	25.0	25.0	1		02/13/23 11:46		
<b>2320B Alkalinity</b>									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/16/23 15:23		
Alkalinity, Carbonate (CaCO <sub>3</sub> )	ND	mg/L	5.0	5.0	1		02/16/23 15:23		
Alkalinity, Total as CaCO <sub>3</sub>	ND	mg/L	5.0	5.0	1		02/16/23 15:23		
<b>300.0 IC Anions 28 Days</b>									
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	

## REPORT OF LABORATORY ANALYSIS

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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	

LABORATORY CONTROL SAMPLE: 3935829

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	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935830 3935831

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235041 Result	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	113	1	1	112	111	-96	-182	75-125	1	20 M1
Iron	mg/L	0.16	1	1	1.1	1.2	96	99	75-125	3	20
Magnesium	mg/L	36.0	1	1	36.3	36.0	33	6	75-125	1	20 M1
Manganese	mg/L	0.0090J	1	1	0.98	0.99	97	98	75-125	1	20
Potassium	mg/L	2.8	1	1	3.8	3.8	97	97	75-125	0	20
Sodium	mg/L	5.8	1	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	

LABORATORY CONTROL SAMPLE: 3936713

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	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3936714 3936715

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235053 Result	Spike Conc.	Spike Conc.	Conc.								
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	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649042003 Result	Spike Conc.	Spike Conc.	MS Result						
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								
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	MS Result	MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			MS Spike Conc.	MSD Spike Conc.								
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	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3938727		3938728		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92649235016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
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								
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  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 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.	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: 753440      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: 92649235027, 92649235028, 92649235029, 92649235030, 92649235031, 92649235032, 92649235033

METHOD BLANK: 3914565      Matrix: Water  
Associated Lab Samples: 92649235027, 92649235028, 92649235029, 92649235030, 92649235031, 92649235032, 92649235033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/02/23 20:25	

LABORATORY CONTROL SAMPLE: 3914566

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	391	98	80-120	

SAMPLE DUPLICATE: 3914567

Parameter	Units	92649235027 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1280	1300	1	10	

SAMPLE DUPLICATE: 3914568

Parameter	Units	92649923004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	459	505	10	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: 755437 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: 92649235054, 92649235055, 92649235056, 92649235057, 92649235058, 92649235059

METHOD BLANK: 3924935 Matrix: Water  
Associated Lab Samples: 92649235054, 92649235055, 92649235056, 92649235057, 92649235058, 92649235059

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/13/23 11:37	

LABORATORY CONTROL SAMPLE: 3924936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	408	102	80-120	

SAMPLE DUPLICATE: 3924937

Parameter	Units	92650181030 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	108		10	

SAMPLE DUPLICATE: 3924938

Parameter	Units	92651001002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	196	269	31	10	D6

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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	92648786016		3912792		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	42.5	50	50	92.1	91.9	99	99	80-120	0	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3912793 3912794

Parameter	Units	92648786017		3912794		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	9.5	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	3912857		3912858		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	45.7	50	50	94.7	98.3	98	105	80-120	4	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3912859 3912860

Parameter	Units	3912859		3912860		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	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				
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	92649963016		92649963017		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	21.3	50	50	71.3	70.0	100	97	80-120	2	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3916741 3916742

Parameter	Units	92649963017		92649963016		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	68.7	50	50	121	121	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	92651074002 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	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								
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	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Conc.								
Alkalinity, Total as CaCO3	mg/L	92651219006 186	50	50	50	248	250	125	129	80-120	1	25	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3927531      3927532

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Conc.								
Alkalinity, Total as CaCO3	mg/L	92651219007 167	50	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	92651960001		92651960002		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	23.3	50	50	71.4	73.6	96	101	80-120	3	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933595 3933596

Parameter	Units	92651960002		92651960001		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	82.0	50	50	135	137	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	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235018 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	ND	50	50	51.2	51.7	102	103	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	102	103	90-110	1	10		
Sulfate	mg/L	0.57J	50	50	49.3	50.0	97	99	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3911197 3911198

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649377008 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	7.7	50	50	59.0	59.3	103	103	90-110	0	10		
Fluoride	mg/L	0.098J	2.5	2.5	2.6	2.6	99	101	90-110	1	10		
Sulfate	mg/L	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		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	4.1	50	50	54.2	54.6	100	101	101	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	100	101	101	90-110	1	10	
Sulfate	mg/L	2.8	50	50	52.9	53.3	100	101	101	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3914293 3914294

Parameter	Units	92649378004		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	83.4	50	50	124	123	80	80	80	90-110	0	10 M1	
Fluoride	mg/L	0.087J	2.5	2.5	2.6	2.6	101	101	101	90-110	0	10	
Sulfate	mg/L	895	50	50	936	932	82	75	75	90-110	0	10 M1	

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**REPORT OF LABORATORY ANALYSIS**

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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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### REPORT OF LABORATORY ANALYSIS

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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	50	50	50	53.9	55.9	103	107	90-110	4	10	
Fluoride	mg/L	0.27	2.5	2.5	2.5	3.0	3.1	107	112	90-110	4	10	M1
Sulfate	mg/L	15.4	50	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.								
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.								
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

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### 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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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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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		

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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		

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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 Condition Upon Receipt

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 ESW

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  Yes  No  N/A

Thermometer:  IR Gun ID: 230 Type of Ice:  Wet  Blue  None

Cooler Temp: 5.4/3.1/4.8 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): 5.1 5.4/3.1/4.8/5.1

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.
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:	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

WO#: 92649235

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 02/10/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: GA-GA Power

\*\*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-)	BP8U-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 2N 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-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	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)	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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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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.



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, 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

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 (>8)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WG7U-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-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 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)	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)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
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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.



DC#\_Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mech

WO#: 92649235

PM: BV Due Date: 02/10/23  
CLIENT: GA-GA Power

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

Courier:  Commercial  Fed Ex  Pace  UPS  USPS  Client  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/2/23 [Signature]

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  Yes  No  N/A

Thermometer:  IR Gun ID: 230 Correction Factor: Add/Subtract (°C) 0.0 Type of Ice:  Wet  Blue  None

Cooler Temp: 3.1 Cooler Temp Corrected (°C): 3.1 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

	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.
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: 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

**WO# : 92649235**

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 02/10/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: GA-GA Power

\*\*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	AG1U-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 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)	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)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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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).





DC#\_Title: ENV-FRM-HUN1-0083 v02\_Sample Condition Upon Receipt

Effective Date: 11/14/2022

W0#: 92649235

Project #

PM: BV

Due Date: 02/10/23

CLIENT: GA-GA Power

\*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

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	AG1U-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 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)	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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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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.



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

Sample Condition Upon Receipt

Client Name: GA Power

Project #:

WO#: 92649235

PM: BV

Due Date: 02/10/23

CLIENT: GA-GA Power

Courier:  Fed Ex  UPS  USPS  Client  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/7/23 Cof

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  Yes  No  N/A

Thermometer:  ICF Gun ID: 230 Type of Ice:  Wet  Blue  None

Cooler Temp: 2.3 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): 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 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:	<i>W</i>		
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.

Project #

WO#: 92649235

PM: BV

Due Date: 02/10/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: GA-GA Power

\*\*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-)	WGJU-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-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	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)	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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSSU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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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.



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: GA Power Project #:

WO#: 92649235

PM: BV Due Date: 02/10/23 CLIENT: GA-GA Power

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other:

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/10/23 GA

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  Yes  No  N/A

Thermometer:  IR Gun ID: 230 Type of Ice:  Wet  Blue  None

Cooler Temp: 3.8 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): 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 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.
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>	
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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

WO#: 92649235

Project #

Due Date: 02/10/23

\*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

PM: BV

CLIENT: GA-GA Power

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	AG1U-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 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)	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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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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.



**Face**

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Face Terms and Conditions found at <https://info.pacelabs.com/sub/face-standard-terms.pdf>.

**CHAIN-OF-CUSTODY / Analytical Request Document**

**Section A Required Client Information:**  
Company: Georgia Power  
Address: 241 Ralph McGill Blvd. NE  
Atlanta, GA 30308  
Phone: (478) 217-0000  
Email: krj@face@ge.com  
Requested Date: Standard

**Section B Required Project Information:**  
Report To: Kristen Jurko, Analytical Support  
Copy To: Laura Mickel, Ben Hodges, Mike Shibley  
Purchase Order #: Noelia Garcia  
Project Name: BOW-COR-ASSMT-2023S1  
Requested Date: Standard

**Section C Invoice Information:**  
Attention: Noelia Garcia  
Company Name: Georgia Power  
Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308  
Space Quota  
Space Project Manager: noelia.garcia@ge.com  
Space Profile #: 10944.5  
Requester's Analysis File: (Y/N)

**Section D Regulatory Agency:**  
State: Georgia

ITEM #	SAMPLE ID	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyse Test					Residual Chlorine (Y/N)	pH							
										Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320									
1	BOW-BGWA-2	Dinking Water	DW	WG	G	1/26/23	1148	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
2	BOW-BGWA-29	Waste Water	WW	WG	G	1/26/23	1420	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
3	BOW-BGWA-33	Process	P	WG	G	1/26/23	1535	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
4	BOW-BGWA-47D	Process	P	WG	G	1/26/23	1148	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
5	BOW-BGWA-48D	Process	P	WG	G	1/26/23	1148	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
6	BOW-BGWC-7	Process	P	WG	G	1/26/23	1035	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
7	BOW-BGWC-8	Process	P	WG	G	1/26/23	1040	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
8	BOW-BGWC-9	Process	P	WG	G	1/26/23	1040	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
9	BOW-BGWC-10	Process	P	WG	G	1/26/23	1040	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
10	BOW-BGWC-12	Process	P	WG	G	1/26/23	1040	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
11	BOW-BGWC-14A	Process	P	WG	G	1/26/23	1040	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
12	BOW-BGWC-16	Process	P	WG	G	1/26/23	1152	5	2	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
	ADDITIONAL COMMENTS																														
	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME																									
	William Locker	1/27/23	1210	Ryan Williams	1/26/23	1210																									
	Kuper William/Hr	1/27/23	1336	Diana P...	1/27/23	1330																									

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: William Locker  
SIGNATURE of SAMPLER:

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: William Locker  
SIGNATURE of SAMPLER:

**SAMPLER NAME AND SIGNATURE**  
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**SAMPLER NAME AND SIGNATURE**  
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**SAMPLER NAME AND SIGNATURE**  
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SIGNATURE of SAMPLER:

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: William Locker  
SIGNATURE of SAMPLER:

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



*Pace*

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Page : 2 of 5

### CHAIN-OF-CUSTODY / Analytical Request Document

<b>Required Client Information:</b> Company: Georgia Power Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308 Email: <a href="mailto:info@pacelabs.com">info@pacelabs.com</a> Phone: (470) 217-0008 Requested Due Date: Standard		<b>Required Project Information:</b> Report To: Kristen Jurinic, Anthony Szewst Copy To: Laura Mickit, Ben Hodge, Mike Smiley Noelle Geryll Purchase Order #: BOW-CCR-ASSMT-2023S1 Project Name: BOW-CCR-ASSMT-2023S1 Project #:		<b>Invoice Information:</b> Attention: Nicole Geryll Company Name: Georgia Power Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308 PACE Project Manager: nicole.dielec@pacelabs.com PACE Profile #: 10944-S	
Regulatory Agency: GA Status/Location:		Temperature Analysis (Y/N):		Residual Chlorine (Y/N):	

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		PRESERVATIVES							ANALYSES TEST	TEMP IN C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)														
					DATE	TIME	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					Other	Metals												
13	BOW-BGWC-17	WG	G	WG	G	1/26/23	1314	5	2	3					X	X	X	X	X													
14	BOW-BGWC-18	WG	G	WG	G	1/26/23	1452	5	2	3					X	X	X	X	X													
15	BOW-BGWC-19	WG	G												X	X	X	X	X													
16	BOW-BGWC-20	WG	G												X	X	X	X	X													
17	BOW-BGWC-21	WG	G												X	X	X	X	X													
18	BOW-BGWC-22	WG	G												X	X	X	X	X													
19	BOW-BGWC-23	WG	G												X	X	X	X	X													
20	BOW-BGWC-24	WG	G												X	X	X	X	X													
21	BOW-BGWC-25	WG	G												X	X	X	X	X													
22	BOW-BGWC-30	WG	G												X	X	X	X	X													
23	BOW-BGWA-6	WG	G												X	X	X	X	X													
24	BOW-BGWC-31	WG	G												X	X	X	X	X													

**ADDITIONAL COMMENTS:**  
 William Locker  
 Upon William's PACE

**RELINQUISHED BY / AFFILIATION:** William Locker  
**DATE:** 1/27/23  
**TIME:** 1210

**ACCEPTED BY / AFFILIATION:** Upon William's PACE  
**DATE:** 1/27/23  
**TIME:** 1210

**SAMPLER NAME AND SIGNATURE:** William Locker  
**PRINT Name of SAMPLER:** William Locker  
**SIGNATURE of SAMPLER:** *[Signature]*  
**DATE Signed:** 1/26/23

**SAMPLER NAME AND SIGNATURE:** Kevin Stephenson, Meredith Duncan  
**PRINT Name of SAMPLER:** Kevin Stephenson, Meredith Duncan  
**SIGNATURE of SAMPLER:** *[Signature]*  
**DATE Signed:** 1/26/23

**TEMP IN C:**

**Received on ice (Y/N):**

**Custody Sealed Cooler (Y/N):**

**Samples Intact (Y/N):**

**Residual Chlorine (Y/N):** *92649235*

**pH:** 7.21 @ 11  
 6.20 @ 12

Page

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CHAIN-OF-CUSTODY / Analytical Request Document

Page: 2 Of 5

Section A  
Required Client Information:

Company: Georgia Power  
Address: 241 Ralph McGill Blvd. NE  
Atlanta, GA 30308  
Email: kmfranke@pacelabs.com  
Phone: (470)217-0008  
Requested Date: Standard

Section B  
Required Project Information:

Report To: Kristen Juraska, Anthony Szewal  
Copy To: Laura Hladoff, Ben Hodges, Mike Shillery  
Project Name: BOW-CCR ASSSMT-202351  
Purchase Order #  
Requested Date: Standard

Section C  
Invoice Information:

Attention:  
Company Name: Georgia Power  
Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308  
Pace Order  
Pace Project Manager: nicole.dolejo@pacelabs.com  
Pace Profile #: 10844-5  
GA

Regulatory Agency  
State / Location  
GA

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analytes Test	Y/N	Residual Chlorine (Y/N)				
			DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3				Methanol	Other		
13	BOW-BGWC-17	WG G																	
14	BOW-BGWC-18	WG G																	
15	BOW-BGWC-19	WG G																	
16	BOW-BGWC-20	WG G																	
17	BOW-BGWC-21	WG G																	
18	BOW-BGWC-22	WG G																	
19	BOW-BGWC-23	WG G																	
20	BOW-BGWC-24	WG G																	
21	BOW-BGWC-25	WG G																	
22	BOW-BGWC-30	WG G																	
23	BOW-BGWA-6	WG G	1/21/23	1230		5	1												
24	BOW-BGWC-31	WG G	1/21/23	1230		3													

REMOVED BY / INITIATION		DATE	TIME	ACCEPTED BY / INITIATION		DATE	TIME	ANALYZE CONDITIONS					
William Laker		1/21/23	1210	Ryan Williams / Pace		1/21/23	1230	TEMP IN C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	pH	
Ryan Williams / Pace		1/21/23	1320	Charles Porter / Pace		1/21/23	1330					pH	6.67013

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER:  
 SIGNATURE of SAMPLER:  
 DATE signed: \_\_\_\_\_

**ANALYZER NAME AND SIGNATURE**  
 PRINT Name of ANALYZER:  
 SIGNATURE of ANALYZER:  
 DATE signed: \_\_\_\_\_

Resolve Environmental Metrics

*Page*

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### CHAIN-OF-CUSTODY / Analytical Request Document

**Section A**  
Required Client Information:

Company: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE  
 Atlanta, GA 30308  
 Email: kjohnstn@southemco.com  
 Phone: (470)217-0009  
 Requested Date: Standard

**Section B**  
Required Project Information:

Report To: Kristen Junko, Anthony Swasi  
 Copy To: Laura Hinder, Ben Hodges, Mike Smiley  
 Noelia Genti  
 Project Name: BOW-COR-ASSMT-2023S1  
 Project #:

**Section C**  
Invoice Information:

Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308  
 PACE Profile #: 10944-5  
 Project Manager: noelia.genti@pacelabs.com

Regulatory Agency: State / Georgia  
 PACE Profile #: 10944-5

ITEM #	MATERIAL Description	CODE	MATRIX CODE	SAMPLE TYPE	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES							ANALYSES TEST				Residual Chlorine (Y/N)						
					DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity		TDS	RAD 9315/9320				
26	BOW-BGWC-32	WG G																							
27	BOW-BGWC-34D	WG G																							
28	BOW-BGWC-35D	WG G																							
29	BOW-BGWC-36D	WG G																							
30	BOW-BGWC-37D	WG G																							
31	BOW-BGWC-38D	WG G																							
32	BOW-BGWC-39	WG G																							
33	BOW-BGWC-40	WG G																							
34	BOW-BGWC-41D	WG G																							
35	BOW-BGWC-42D	WG G																							
36	BOW-BGWC-43D	WG G																							
37	BOW-BGWC-44D	WG G																							

RELINQUISHED BY / INITIALS: William Leaker  
 DATE: 1/21/23  
 TIME: 12:10

ACQUIRED BY / INITIALS: Ryan Williams, PO2  
 DATE: 1/21/23  
 TIME: 12:10

TEMP IN C: \_\_\_\_\_

Received on Ice (Y/N): \_\_\_\_\_

Custody Sealed Cooler (Y/N): \_\_\_\_\_

Samples Intact (Y/N): \_\_\_\_\_

PH: 7.88

PH: 014

DATE SIGNED: 1/25/23

SIGNATURE: *[Signature]*

Resolute Environmental

**Page**

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**CHAIN-OF-CUSTODY / Analytical Request Document**

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Page : 4 of 5

**Section A**

Required Client Information:  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Phone: (470)217-0008 Fax  
 Email: [hpjrntrk@scouthemco.com](mailto:hpjrntrk@scouthemco.com)  
 Requested Date: Standard

Required Project Information:  
 Report To: Kristin Jurkic, Anthony Stewart  
 Copy To: Laura Mickel, Ben Hodges, Mike Smiley  
 Purchase Order #: Noelia Garcia  
 Project Name: BOW-CR-4SSMT-2022S1  
 Project #:

Section B  
 Invoice Information:  
 Attention: Georgia Power  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Page Quote:  
 Pace Project Manager: nicolas.d.orio@pacelabs.com  
 Pace Profile #: 10944.5

Section C  
 Regulatory Agency: Georgia  
 State Location: GA

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Y/N	Residual Chlorine (Y/N)					
			DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other	Metals	Cl, F, SO4	Alkalinity	TDS
37	BOW-BGWC-4SD	WG G												X	X	X	X	X	X		
38	BOW-BGWC-30D	WG G												X	X	X	X	X	X		
39	BOW-BGWC-51	WG G												X	X	X	X	X	X		
40	BOW-BGWC-32	WG G												X	X	X	X	X	X		
41	BOW-92-7	WG G												X	X	X	X	X	X		
42	BOW-AP1-FD-01	WG G												X	X	X	X	X	X		
43	BOW-AP1-FD-02	WG G	1/26/23	---										X	X	X	X	X	X		
44	BOW-AP1-FD-03	WG G												X	X	X	X	X	X		
45	BOW-AP1-FD-04	WG G												X	X	X	X	X	X		
46	BOW-AP1-FD-05	WG G												X	X	X	X	X	X		
47	BOW-AP1-EB-01	WG G												X	X	X	X	X	X		
48	BOW-AP1-EB-02	WG G												X	X	X	X	X	X		

**ADDITIONAL COMMENTS**  
 RELINQUISHED BY / APPLICATION: William Locker  
 DATE: 1/27/23 TIME: 1210  
 ACCEPTED BY / APPLICATION: Bryan Williams / Pace  
 DATE: 1/27/23 TIME: 1330  
 SIGNATURE OF SAMPLER: *William Locker*  
 DATE SIGNED: 1/26/23

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: William Locker  
 SIGNATURE OF SAMPLER: *William Locker*

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

*Peace*

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**CHAIN-OF-CUSTODY / Analytical Request Document**

Page: 4 of 5

**Section A**  
**Requested Client Information:**  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE  
 Atlanta, GA 30308  
 Email: [knjrh@pacelabs.com](mailto:knjrh@pacelabs.com)  
 Phone: (470)217-0008  
 Requested Due Date: Standard

**Section B**  
**Requested Project Information:**  
 Request To: Kristen Juranko, Anthony Swest  
 Copy To: Laura Kiehl, Ben Hodges, Mike Smiley  
 Nuclea Gangi  
 Purchase Order #:  
 Project Name: BOW-CFR-ASSMT-2023S1  
 Project #:  
 Requested Analysis Interval (Y/N)

**Section C**  
**Invoice Information:**  
 Attention: Georgia Power  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Address:  
 Peace Queue  
 Peace Project Manager: nicole.dono@pacelabs.com  
 Peace Profile #: 10944.5  
 Regulatory Agency: State / Location GA

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyses Test	Y/N	Residual Chlorine (Y/N)		
					DATE	TIME								
37	BOW-BGWC-49D	WG G												
38	BOW-BGWC-50D	WG G												
39	BOW-BGWC-51	WG G												
40	BOW-BGWC-52	WG G												
41	BOW-PZ-7	WG G												
42	BOW-AP1-FD-01	WG G	1/24/23				5 2 3							
43	BOW-AP1-FD-02	WG G												
44	BOW-AP1-FD-03	WG G												
45	BOW-AP1-FD-04	WG G												
46	BOW-AP1-FD-05	WG G												
47	BOW-AP1-EB-01	WG G												
48	BOW-AP1-EB-02	WG G												
ADDITIONAL COMMENTS REASON FOR REFUSAL DATE TIME ACCEPTED BY / AFFILIATION DATE TIME														
William Laaker Kyle William / Peace 1/27/23 1330			William Laaker 1/27/23 1336 Kyle William / Peace Charles Fuller 1/27/23 1330			William Laaker 1/27/23 1210 Kyle William / Peace 1/27/23 1210			Meredith Duxon Kevin Stephenson 1/24/23			TEMP in C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)		

**SAMPLER NAME AND SIGNATURE:**  
 PRINT Name of SAMPLER: William Laaker  
 SIGNATURE of SAMPLER: [Signature]  
 DATE signed: 1/24/23

**RESOLVE ENVIRONMENTAL:**  
 PRINT Name of SAMPLER: Meredith Duxon  
 SIGNATURE of SAMPLER: [Signature]  
 DATE signed: 1/24/23

**Pace**

**CHAIN-OF-CUSTODY / Analytical Request Document**

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Section A

**Required Client Information:**

Company: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308  
 Email: [kyurek@gepower.com](mailto:kyurek@gepower.com)  
 Phone: (770)217-0098 Fax: [Blank]  
 Requested Date: Standard

**Required Project Information:**

Report To: Kristen Junco, Anthony Smart  
 Copy To: Laura Wolff, Ben Hodges, Mike Smiley  
 Project Name: BOW-COR-ASSMT-2023S1  
 Project #:

**Section C**

**Invoice Information:**

Attention: [Blank]  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308  
 Invoice #:  
 Project Manager: [nicole.d.williams@gepower.com](mailto:nicole.d.williams@gepower.com)  
 Pace Profile #: 10944-5

**Regulatory Agency**

State/Territory: GA

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

MATRIX CODE  
 Drinking Water DW  
 Waste Water WW  
 Surface Water SW  
 Groundwater GW  
 Sludge S  
 Air A  
 Other O  
 Tissue TS

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analytes Test	Requested Analytes Finished (Y/N)	Residual Chlorine (Y/N)	PH	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	
37	BOW-BGWC-49D	WG	G	G				Unpreserved		Metals								
38	BOW-BGWC-50D	WG	G	G	11/23/23	1535	52	H2SO4 HNO3 HCl NaOH Na2S2O3 Methanol Other	X	Cl, F, SO4			90690855					
39	BOW-BGWC-51	WG	G	G					X	Alkalinity			7.03017					
40	BOW-BGWC-52	WG	G	G					X	TDS								
41	BOW-PZ-7	WG	G	G					X	RAD 9315/9320								
42	BOW-AP1-FD-01	WG	G	G					X									
43	BOW-AP1-FD-02	WG	G	G					X									
44	BOW-AP1-FD-03	WG	G	G					X									
45	BOW-AP1-FD-04	WG	G	G					X									
46	BOW-AP1-FD-05	WG	G	G					X									
47	BOW-AP1-EB-01	WG	G	G					X									
48	BOW-AP1-EB-02	WG	G	G					X									
<b>ADDITIONAL COMMENTS</b>																		
William Looker																		
Ryan Williams PR																		
1/21/23 1210 Ryan Williams PR																		
1/23/23 1330 Ryan Williams PR																		
1/23/23 1330 Ryan Williams PR																		
1/23/23 1330 Ryan Williams PR																		
1/23/23 1330 Ryan Williams PR																		

**SAMPLER NAME AND SIGNATURE**

Print Name of SAMPLER: Ryan Williams PR  
 Signature of SAMPLER: Ryan Williams PR  
 Date Signed: 1/23/23

**SAMPLER CONDITIONS**

Received on Ice (Y/N):  
 Custody Sealed Cooler (Y/N):  
 Samples Intact (Y/N):



Pace

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## CHAIN-OF-CUSTODY / Analytical Request Document

Section A

Requested Client Information:

Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE  
 Atlanta GA 30308  
 Email: kgrjunt@scourno.com  
 Phone: (478)217-4008  
 Requested Date Date: Standard

Section B

Requested Project Information:

Report To: Kristin Jurnko, Anthony Swasi  
 Copy To: Laura Midriff, Ben Hodges, Mike Smiley  
 Project Name: Nostia (Gang)  
 Purchase Order #: BOW-COR-ASSMT-202351  
 Project #:

Section C

Invoice Information:

Attention: Georgia Power  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308  
 Pace Project Manager: nicole.drole@pacelabs.com  
 Pace Profile #: 109445

Regulatory Agency:  
 State Association:  
 GA

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							ANALYSES TEST	Residual Chlorine (Y/N)										
									Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 8315/9920				
49	BOW-AP1-EB-03	WQ0 G																									
50	BOW-AP1-EB-04	WQ0 G																									
51	BOW-AP1-FB-01	WQ0 G																									
52	BOW-AP1-FB-02	WQ0 G			1/25/23	1548		52	3																		
53	BOW-AP1-FB-03	WQ0 G																									
54	BOW-AP1-FB-04	WQ0 G																									
55	BOW-AP1-FB-05	WQ0 G																									
56	BOW-AP1-FB-06	WQ0 G																									
57	BOW-AP1-FB-07	WQ0 G																									
58																											
59																											
60																											

PRINT NAME OF SAMPLER	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
William Locker	1/27/23	1210	Kyan William Pace	1/27/23	1210	
Kan William Pace	1/27/23	1330	Nicole Drole	1/27/23	1330	

**SAMPLER NAME AND SIGNATURE**

**PRINT NAME OF SAMPLER:** William Locker  
**SIGNATURE OF SAMPLER:** [Signature]  
**DATE SIGNED:** 1/25/23

**TEMP in C**

**Received on ice (Y/N)**

**Custody Sealed Cooler (Y/N)**

**Samples Intact (Y/N)**



**Page**

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Page : 5 Of 5

### CHAIN-OF-CUSTODY / Analytical Request Document

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Section A <b>Required Client Information:</b>		Section B <b>Required Project Information:</b>		Section C <b>Invoice Information:</b>	
Company: Georgia Power	Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308	Project To: Kristen Juranko, Anthony Szewal	Copy To: Laura Mikliff, Ben Hodges, Mike Smiley	Attention: Compliance Name: Georgia Power	Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308
Phone: (470)217-0008	Standard	Purchase Order #: Noelia Gargi	Project Name: BOW-CCR-ASSMT-2023S1	Pace Project Manager: nicola.d.oleo@paceelabs.com	Pace Profile #: 10944-5
Requested Due Date:	Standard	Project #:		Requester Analytical Method (Y/N)	State / Location: GA

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analyses Test	Residual Chlorine (Y/N)					
							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3			Methanol	Other	Metals	Cl, F, SO4	Alkalinity
48	BOW-AP1-EB-03	WQ											X	X	X	X	X		
49	BOW-AP1-EB-04	WQ											X	X	X	X	X		
51	BOW-AP1-FB-01	WQ	1/24/23	1550	5	2							X	X	X	X	X		
52	BOW-AP1-FB-02	WQ											X	X	X	X	X		
53	BOW-AP1-FB-03	WQ											X	X	X	X	X		
54	BOW-AP1-FB-04	WQ											X	X	X	X	X		
55	BOW-AP1-FB-05	WQ											X	X	X	X	X		
56	BOW-AP1-FB-06	WQ											X	X	X	X	X		
57	BOW-AP1-FB-07	WQ											X	X	X	X	X		
58																			
59																			
60																			

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS
		William Looker		1/27/23		1210		Byron William Pace		1/21/23		1210		
		Byron William Pace		4/11/23		1530		Charles Hankins		1/27/23		1330		

SAMPLER NAME AND SIGNATURE: **William Looker**

PRINT NAME OF SAMPLER: **William Looker**

SIGNATURE OF SAMPLER: [Signature]

DATE SIGNED: **1/24/23**

RECEIVED BY: **Meredith Duncan, Kevin Stephenson**

DATE SIGNED: **1/24/23**

TEMP in C: [ ]

Received on Ice (Y/N): [ ]

Custody Sealed Cooler (Y/N): [ ]

Samples Intact (Y/N): [ ]

Section A Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/help/pace-standard-terms.pdf>

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: Georgia Power  
 Address: 241 Rahn McGill Blvd NE  
 Atlanta, GA 30308  
 Email: [kj@utw@southemco.com](mailto:kj@utw@southemco.com)  
 Phone: (470)217-0008 Fax: [Blank]  
 Requested Due Date: Standard

Section B Required Project Information:

Report To: Kristen Lurino, Anthony Sogari  
 Copy To: Laura Kidditt, Ben Hodges, Mike Smiley  
 Project Name: BOW-QCR-RASSMT-2023S1  
 Purchase Order #: Noelia Gargi

Section C Invoice Information:

Company Name: Georgia Power  
 Address: 241 Rahn McGill Blvd NE, Atlanta, GA 30308  
 Pace Order: [Blank]  
 Pace Project Manager: tcoria@pacelabs.com  
 Pace Profile #: 10944-5

Regulatory Agency: GA  
 State / Location: [Blank]

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyte Test	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)		
							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other	
49	BOW-AP1-EB-03	WG G																
50	BOW-AP1-EB-04	WG G																
51	BOW-AP1-FB-01	WG G																
52	BOW-AP1-FB-02	WG G	1/26/23	1548		5	2											
53	BOW-AP1-FB-03	WG G																
54	BOW-AP1-FB-04	WG G																
55	BOW-AP1-FB-05	WG G																
56	BOW-AP1-FB-06	WG G																
57	BOW-AP1-FB-07	WG G																
58																		
59																		
60																		

ADDITIONAL COMMENTS

Retrieved by: Attribution  
 William Leaker  
 Ryan William Pace

RECEIVED BY / AFFILIATION

DATE: 1/27/23  
 TIME: 1210

ACCEPTED BY / AFFILIATION

DATE: 1/31/23  
 TIME: 1330

SAMPLE CONDITIONS

TEMP in C

Received on ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE  
 PRINT NAME OF SAMPLER: William Leaker  
 SIGNATURE OF SAMPLER: *William Leaker*

DATE SUPPLD: 1/26/23

Kevin Stephenson  
 Meredith Duncan  
 Resolute Environmental

9266992-35

020

**Pace**

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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  
 Required Client Information:  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE  
 Atlanta, GA 30308  
 Email: [info@pacelabs.com](mailto:info@pacelabs.com)  
 Phone: (478) 217-0008  
 Requester Due Date: Standard

Section B  
 Required Project Information:  
 Report To: Kristen Jurino, Anthony Sward  
 Copy To: Laura Kiefer, Ben Hodges, Mike Smiley  
 Purchase Order #: Neoila Gang  
 Project Name: BOW-GCR-ASSMT-2023S1  
 Project #:   
 Invoice Information:  
 Attention:   
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308  
 PACE Quote:   
 PACE Project Manager: nicolas.d@pacelabs.com  
 PACE Profile #: 10944-5

Section C  
 Regulatory Agency:   
 State Location:   
 CA

Page: 1 of 5

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Y/N	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	pH
									Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					
1	BOW-BGWA-2	WG	G																	
2	BOW-BGWA-29	WG	G																	
3	BOW-BGWA-33	WG	G																	
4	BOW-BGWA-47D	WG	G																	
5	BOW-BGWA-48D	WG	G																	
6	BOW-BGWA-7	WG	G																	
7	BOW-BGWA-8	WG	G																	
8	BOW-BGWA-9	WG	G																	
9	BOW-BGWA-10	WG	G	1/27/23	1000	5	2	3												
10	BOW-BGWA-12	WG	G																	
11	BOW-BGWA-14A	WG	G																	
12	BOW-BGWA-16	WG	G																	

ADDITIONAL COMMENTS

INCLUDED BY / APPLICATION: William Laaker  
 DATE: 1/31/23  
 TIME: 1430

ACCEPTED BY / APPLICATION: Ryan Williams / Pace  
 DATE: 1/31/23  
 TIME: 1442

RECEIVED BY / APPLICATION: Ryan Williams / Pace  
 DATE: 1/31/23  
 TIME: 1430

TEMP in C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

Signature of Sampler: William Laaker  
 Signature of Responder: Meredith Duncan  
 Date Signed: 1/27/23

92649235



*Pace*

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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

<b>Required Client Information:</b>		<b>Required Project Information:</b>		<b>Invoice Information:</b>	
Company:	Georgia Power	Report To:	Kristen Jurino, Anthony Severn	Attention:	Georgia Power
Address:	241 Ralph McGill Blvd NE Atlanta GA 30308	Copy To:	Laura Midoff, Ben Hodges, Mike Smiley	Company Name:	Georgia Power
Address:	Atlanta GA 30308		Nadella Gargi	Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308
Email:	kgjura@scoutarmco.com	Purchase Order #:		Pace Project Manager:	necia.robo@pacelabs.com
Phone:	(470)217-0008	Project Name:	BOW-CORASSINT-202351	Pace Profile #:	10844.5
Requested Due Date:	Standard	Project #:			

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							ANALYSES TEST					Residual Chlorine (Y/N)								
					DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS		RAD 9315/9320							
49	BOW-AP1-FB-03	WQ G																											
50	BOW-AP1-EB-04	WQ G																											
51	BOW-AP1-FB-01	WQ G																											
52	BOW-AP1-FB-02	WQ G																											
53	BOW-AP1-FB-03	WQ G																											
54	BOW-AP1-FB-04	WQ G	1/21/23																										
55	BOW-AP1-FB-05	WQ G																											
56	BOW-AP1-FB-06	WQ G																											
57	BOW-AP1-FB-07	WQ G																											
58																													
59																													
60																													

ADDITIONAL COMMENTS

NEQUILIBRIATED BY AERATION

DATE

TIME

ACCEPTED BY / AERATION

DATE

TIME

SAMPLE CONDITIONS

William Lacker  
Ryan William Pace

1/31/23  
1/31/23

1430  
1432

Ryan William Pace  
Charles Pace

1/31/23  
1/31/23

1430  
1648

026

SAMPLER NAME AND SIGNATURE

William Lacker Meredith Duncan

PRINT Name of SAMPLER

SIGNATURE of SAMPLER

DATE signed: 1/27/23

Resonata Environmental

DATE signed: 1/27/23

TEMP in C

Received on ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples intact (Y/N)

*Page*

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### CHAIN-OF-CUSTODY / Analytical Request Document

**Section A**  
**Required Client Information:**  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308  
 Email: [lrjunks@southarno.com](mailto:lrjunks@southarno.com)  
 Phone: (470)217-6008 Fax  
 Requested Date: Standard Project #

**Section B**  
**Required Project Information:**  
 Report To: Kristin Jurko, Anthony Stewart  
 Copy To: Laura Mink, Bart Hodges, Mike Sniley  
 Project Name: Bowen-CFR-ASSWT-2023S1  
 Purchase Order #  
 Project #

**Section C**  
**Invoice Information:**  
 Attention:  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Pace Project Manager: [mccas@pace.com](mailto:mccas@pace.com)  
 Pace Profile #: 10844-5

**Section D**  
**Requested Analytical Parameters (Y/N)**  
 Unpreserved  
 H2SO4  
 HNO3  
 HCl  
 NaOH  
 Na2S2O3  
 Methanol  
 Other  
 Metals  
 Cl, F, SO4  
 Alkalinity  
 TDS  
 RAD 9315/9320  
 Residual Chlorine (Y/N)

**Section E**  
**Regulatory Agency**  
 State / Location  
 GA

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, /, -) Sample IDs must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytes Test	Y/N	Requester Analytical Parameters (Y/N)	Residual Chlorine (Y/N)	pH
				DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol					
13	BOW-BGWC-17	WG G	G																
14	BOW-BGWC-18	WG G	G																
15	BOW-BGWC-19	WG G	G																
16	BOW-BGWC-20	WG G	G	1/30/23	1101	52	3												
17	BOW-BGWC-21	WG G	G																
18	BOW-BGWC-22	WG G	G																
19	BOW-BGWC-23	WG G	G																
20	BOW-BGWC-24	WG G	G																
21	BOW-BGWC-25	WG G	G																
22	BOW-BGWC-30	WG G	G																
23	BOW-BGWA-6	WG G	G																
24	BOW-BGWC-31	WG G	G																

**ADDITIONAL COMMENTS**  
Bowen AP-1

**REQUISITIONED BY/AFFILIATION**  
William Laker  
Ryan Williams / Pace

**DATE**  
1/31/23  
1/31/23

**TIME**  
1430  
1438

**ACCEPTED BY/AFFILIATION**  
Ryan Williams / Pace  
Chad Fowler

**DATE**  
1/31/23  
1/31/23

**TIME**  
1438  
1642

**SAMPLER NAME AND SIGNATURE**  
Meredith Duncan, Will Laker

**PRINT Name of SAMPLER**  
Meredith Duncan, Will Laker

**SIGNATURE of SAMPLER**  
*Meredith Duncan*

**DATE Signed**  
1/30/23

**TEMP in C**

**Received on Ice (Y/N)**

**Custody Sealed Cooler (Y/N)**

**Samples Intact (Y/N)**



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Peace Terms and Conditions found at <https://info.pacelabs.com/contributors/peace-standards-terms.pdf>.

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

Section A Requested Client Information: Georgia Power  
 241 Ralph McGill Blvd, NE  
 Atlanta, GA 30309

Section B Requested Project Information:  
 Report To: Kristen Jurtka, Anthony Sewal  
 Copy To: Laura Miller, Bert Hodges, Mike Shimley  
 Attention: Noelle Garap

Section C Invoice Information:  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30309  
 Pace Quota  
 Pace Project Manager: nicole.d@pacelabs.com  
 Pace Profile #: 10844-5

Regulatory Agency  
 State/Location  
 GA

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS							Analyses Test	Residual Chlorine (Y/N)											
					DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320					
26	BOW-BGWC-32	DWF	WG G																								
27	BOW-BGWC-34D	DWF	WG G	1/30/23	1335	5.2	3																				
27	BOW-BGWC-35D	DWF	WG G	1/30/23	1635	5.2	3																				
28	BOW-BGWC-36D	DWF	WG G																								
29	BOW-BGWC-37D	DWF	WG G	1/30/23	1235	5.2	3																				
30	BOW-BGWC-39D	DWF	WG G																								
31	BOW-BGWC-39	DWF	WG G																								
32	BOW-BGWC-40	DWF	WG G																								
33	BOW-BGWC-41D	DWF	WG G																								
34	BOW-BGWC-42D	DWF	WG G	1/30/23	1435	5.2	3																				
35	BOW-BGWC-43D	DWF	WG G																								
36	BOW-BGWC-44D	DWF	WG G																								
ADDITIONAL COMMENTS				REQUISITIONED BY / AFFILIATION				DATE				TIME				LICENSED BY / AFFILIATION				DATE				TIME			
Bowen AP-1				William Looker				1/31/23				1430				Ryan Willison / Pace				1/31/23				1436			
				Ryan Willison / Pace				1/31/23				1442				Ryan Willison / Pace				1/31/23				1642			
				SIGNATURE of SAMPLER																							
				Meredith Durcan, Will Looker																							
				DATE signed				1/30/23																			
				TEMP in C																							
				Received on ice (Y/N)																							
				Custody Sealed Cooler (Y/N)																							
				Samples Intact (Y/N)																							



*Pace*

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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 Required Client Information: Georgia Power, 241 Ralph McGill Blvd NE, Atlanta GA 30308

Section B Required Project Information: Report To: Kristen Jurtho, Anthony Street, Laura Madoff, Bart Hodges, Mike Smiley

Section C Invoice Information: Analytical: Company Name: Georgia Power, 241 Ralph McGill Blvd NE, Atlanta, GA 30308

Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308

Pace Order #: Nicole.Greco@pacelabs.com

Pace Project Manager: Nicole.Greco@pacelabs.com

Pace Profile #: 10844-5

Regulatory Agency: State / Location: GA

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyse Test	Residual Chlorine (Y/N)	pH		
					DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other	Metals
37	BOW-BGWC-49D	WG	G																	
38	BOW-BGWC-50D	WG	G																	
39	BOW-BGWC-51	WG	G																	
40	BOW-BGWC-52	WG	G																	
41	BOW-P2-7	WG	G																	
42	BOW-AP1-FD-01	WG	G																	
43	BOW-AP1-FD-02	WG	G																	
44	BOW-AP1-FD-03	WG	G	1/30/23		5:23		2												632
45	BOW-AP1-FD-04	WG	G																	
46	BOW-AP1-FD-05	WG	G																	
47	BOW-AP1-EB-01	WG	G																	
48	BOW-AP1-EB-02	WG	G																	

ADDITIONAL COMMENTS: Bowen AP-1

RELINQUISHED BY / AFFILIATION: William Locker / Pace

DATE: 1/31/23

TIME: 14:30

SIGNATURE OF SAMPLER: Meredith Duran, Will Locker

DATE SIGNED: 1/30/23

TEMP IN C: [ ]

Received on ice (Y/N): [ ]

Custody Sealed Cooler (Y/N): [ ]

Samples Intact (Y/N): [ ]



**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/hubfs/pace-standard-terms.pdf>.

<b>Required Client Information:</b>		<b>Required Project Information:</b>		<b>Invoice Information:</b>	
Company: Georgia Power	Address: 241 Ralph McGill Blvd NE Atlanta GA 30308	Report To: Kristen Lattala, Anthony Strzart	Project Name: BOW-COR-ASSMT-382351	Company Name: Georgia Power	Address: 241 Ralph McGill Blvd NE Atlanta GA 30308
Phone: (470)217-2008	Fac: [ ]	Project #:	Purchase Order #:	Attention:	Company Name: Georgia Power
Requested Due Date: Standard				Address: 241 Ralph McGill Blvd NE Atlanta GA 30308	Company Name: Georgia Power
				Pace Project Manager: nicole.d'oleo@pace-labs.com	Address: 241 Ralph McGill Blvd NE Atlanta GA 30308
				Pace Profile #: 10944-5	Company Name: Georgia Power
					Address: 241 Ralph McGill Blvd NE Atlanta GA 30308
					Pace Project Manager: nicole.d'oleo@pace-labs.com
					Pace Profile #: 10944-5

ITEM #	MATRIX	CORE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES								ANALYSES TEST					Residual Chlorine (Y/N)							
					DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320								
																							DATE	TIME	Unpreserved	H2SO4	HNO3	HCl	NaOH
49	BOW-AP1-EB-03	WG	WG	G																									
50	BOW-AP1-EB-04	WG	WG	G																									
51	BOW-AP1-FB-01	WG	WG	G																									
52	BOW-AP1-FB-02	WG	WG	G																									
53	BOW-AP1-FB-03	WG	WG	G																									
54	BOW-AP1-FB-04	WG	WG	G																									
55	BOW-AP1-FB-05	WG	WG	G	1/30/23	1545																							
56	BOW-AP1-FB-06	WG	WG	G																									
57	BOW-AP1-FB-07	WG	WG	G																									
58																													
59																													
60																													

ADDITIONAL COMMENTS		RELINQUISHED BY/APPLICATION		ACCEPTED BY/APPLICATION		DATE		TIME		DATE		TIME		TEMP in C		RECEIVED ON		CUSTODY		SAMPLES			
Bowen AP-1		William Laker		Ryan William Pace		1/31/23		1430		1/31/23		1436		1/31/23		1642		Received on ice (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (Y/N)	
		Ryan William Pace		Ryan William Pace		1/31/23		1642		1/31/23		1642											

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: Meredith Duncan, Will Laker  
 SIGNATURE of SAMPLER: [Signatures]

Pace

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/submit/sample-standard-terms.pdf>

### CHAIN-OF-CUSTODY / Analytical Request Document

**Section A**  
Requested Client Information:

Company: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308  
 Email: kblunk@pacelabs.com  
 Phone: (478) 277-0309  
 Requested Due Date: Standard

**Section B**  
Requested Project Information:

Report To: Kristen Jurkic, Audrey Szewast  
 Copy To: Laura Miklit, Ben Hodges, Mike Smiley  
 Project Name: Bowen AP-1  
 Purchase Order #: Bowen AP-1  
 Attention: Noelia Gampl

**Section C**  
Invoice Information:

Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308  
 Pace Project Manager: bonnie.vanng@pacelabs.com  
 Pace Profile #: 10944-5

Requested Analytical Method (Y/N)

Regulatory Agency: Georgia  
 State/Location: GA

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES								ANALYSES TEST	Residual Chlorine (Y/N)					
			DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			Metals	Cl, F, SO4	Alkalinity	TDS	RAD 93159320
26	BOW-BGWC-32	WG G	1/31/23	1222	5	2	3													
27	BOW-BGWC-35D	WG G																		
28	BOW-BGWC-38D	WG G																		
29	BOW-BGWC-37D	WG G																		
30	BOW-BGWC-38D	WG G																		
31	BOW-BGWC-39	WG G																		
32	BOW-BGWC-40	WG G	1/31/23	1040	5	2	3													
33	BOW-BGWC-41D	WG G																		
34	BOW-BGWC-42D	WG G																		
35	BOW-BGWC-43D	WG G																		
36	BOW-BGWC-44D	WG G																		

APPROXIMATE COMMENTS		RELINQUISHED BY / AFFILIATION		ACCEPTED BY / AFFILIATION		SAMPLE CONDITIONS	
DATE	TIME	DATE	TIME	DATE	TIME	TEMP in C	Received on ice (Y/N)
		2/6/23	1315	2/6/23	0840		
		2/6/23	1315	2/23/23	1315		

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: Kevin Stephenson, William Leaker, Meredith Duncan  
 SIGNATURE of SAMPLER: [Signatures]  
 DATE Signed: 1/31/23

**RECEIVED BY**  
 Kevin Stephenson  
 William Leaker  
 Meredith Duncan  
 DATE: 2/6/23  
 TIME: 1315

**RECEIVED BY**  
 Kevin Stephenson  
 William Leaker  
 Meredith Duncan  
 DATE: 2/23/23  
 TIME: 1315

**TEMP in C**

**Received on ice (Y/N)**

**Custody Sealed Cooler (Y/N)**

**Samples Intact (Y/N)**

**pH:**  
 pH: 7.18  
 pH: 6.86  
 pH: 6.35



**Pace**

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### CHAIN-OF-CUSTODY / Analytical Request Document

Page: 5 of 5

**Section A**  
Required Client Information:

Company:	Georgia Power	Report To:	Kristen Jurkic, Anthony Sawant
Address:	241 Ralph McGill Blvd NE Atlanta, GA 30308	Copy To:	Laura Kicker, Ben Hodges, Mike Smiley
Email:	kytrink@southernco.com	Purchase Order #:	Noelia Garui
Phone:	(478)217-0008	Project Name:	Bowen AP-1
Requested Due Date:	Standard	Project #:	

**Section B**  
Required Project Information:

Company Name:	Georgia Power
Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308
Company Name:	Georgia Power
Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308
Company Name:	Georgia Power
Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308

**Section C**  
Invoice Information:

Company Name:	Georgia Power
Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308
Company Name:	Georgia Power
Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308
Company Name:	Georgia Power
Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / . - ) Sample IDs must be unique	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS							Analyses Test				Residual Chlorine (Y/N)							
						DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity		TDS	RAD 9315/9320					
49	BOW-AP1-EB-03	...	...	WQ	G																						
50	BOW-AP1-EB-04	...	...	WQ	G																						
51	BOW-AP1-FB-01	...	...	WQ	G																						
52	BOW-AP1-FB-02	...	...	WQ	G																						
53	BOW-AP1-FB-03	...	...	WQ	G																						
54	BOW-AP1-FB-04	...	...	WQ	G																						
55	BOW-AP1-FB-05	...	...	WQ	G																						
56	BOW-AP1-FB-06	...	...	WQ	G	1/31/23	1340	5.2				3															
57	BOW-AP1-FB-07	...	...	WQ	G																						
58		...	...																								
59		...	...																								
60		...	...																								

DATE CODE: BOW-COR-ASSMT-20281

RELINQUISHED BY / APPLICATION: *Kevin Stephenson*

DATE: *2/2/23* TIME: *1515*

ACCEPTED BY / APPLICATION: *Kevin William Pace*

DATE: *2/2/23* TIME: *0840*

TEMP in C: \_\_\_\_\_

Received on Ice (Y/N): \_\_\_\_\_

Custody Sealed Cooler (Y/N): \_\_\_\_\_

Samples Intact (Y/N): \_\_\_\_\_

Signature of Sampler: *Kevin Stephenson*

Signature of Analytic: *William Laaker*

DATE Signed: *1/31/23*



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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

**Required Client Information:**  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE  
 Atlanta, GA 30308  
 Phone: (470)217-0008  
 Email: kofu@rfdk@oulin.com  
 Requested Date: Standard

**Report To:** Kristen Jurino, Anthony Szward  
 Copy To: Laura Medick, Ben Hodges, Mike Smiley  
 Noelia Gargi

**Project Name:** Bowen AP-1  
 Project #: 10944-5

**Attention:**  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308  
 Pace Project Manager: borrie.wynn@pace-labs.com  
 Pace Profile #: 10944-5

#### Section B

**Required Project Information:**  
 Report To: Kristen Jurino, Anthony Szward  
 Copy To: Laura Medick, Ben Hodges, Mike Smiley  
 Noelia Gargi

**Project Name:** Bowen AP-1  
**Project #:** 10944-5

**Requested Analytes Filtered (Y/N)**

Unpreserved	Preservatives	Analyses Test	Residual Chlorine (Y/N)
H2SO4	HNO3	Metals	
HCl	NaOH	Cl, F, SO4	42649255
Na2S2O3	Methanol	Alkalinity	
Other		TDS	
		RAD 9315/9320	

#### Section C

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS						Residual Chlorine (Y/N)				
					DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3		Methanol	Other		
13	BOW-BGWC-17	WG G	WG G	G														
14	BOW-BGWC-18	WG G	WG G	G														
15	BOW-BGWC-19	WG G	WG G	G														
16	BOW-BGWC-20	WG G	WG G	G														
17	BOW-BGWC-21	WG G	WG G	G														
18	BOW-BGWC-22	WG G	WG G	G														
19	BOW-BGWC-23	WG G	WG G	G														
20	BOW-BGWC-24	WG G	WG G	G	2/1/23	1443	52	3									6.68 040	
21	BOW-BGWC-25	WG G	WG G	G														
22	BOW-BGWC-30	WG G	WG G	G	2/1/23	1530	52	3										7.15 041
23	BOW-BGWA-6	WG G	WG G	G														
24	BOW-BGWC-31	WG G	WG G	G														

**ADDITIONAL COMMENTS:** Test Code: BOW-COR-ASSMT-20283

**RELINQUISHED BY / REGULATION:** Ryan Wilson / Pace

**ACCEPTED BY / REGULATION:** Ryan Wilson / Pace

**SAMPLER NAME AND SIGNATURE:** Ryan Wilson / Pace

**PRINT Name of SAMPLER:** Ryan Wilson / Pace

**SIGNATURE of SAMPLER:** Ryan Wilson / Pace

**DATE Signed:** 2/1/23

**TEMP in C:**

**Received on ice (Y/N):**

**Custody Sealed Cooler (Y/N):**

**Samples Intact (Y/N):**



Page

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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.

Page : 3 Of 5

#### Section A

Required Client Information:

Company: Georgia Power  
Address: 241 Ralph McGill Blvd. NE  
Atlanta, GA 30308  
Email: klyu/rh@ou.ferroc.com  
Phone: (470)217-0008 Fax  
Requested Due Date: Standard

Report To: Kristen Jurick, Anthony Szewast  
Copy To: Laura Mackel, Ben Hodgson, Mike Sattley  
Purchase Order #: Noelle Ganga  
Project Name: Bowen AP-1  
Project #:

Interlock Information:  
Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308  
Company Name: Georgia Power  
Pace Office:  
Pace Project Manager: bonnie.vang@paceclabs.com  
Pace Profile #: 10844-S

Requesting Agency:  
State / Location: GA

#### Section B

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / -)	MATRIX	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES								ANALYSES TEST				Residual Chlorine (Y/N)	pH:							
			DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS			RAD 9315/9320						
25	BOW-BGWC-32	WG G																								
26	BOW-BGWC-34D	WG G																								
27	BOW-BGWC-35D	WG G	2/11/23	1350	5.2	3																				6.64
28	BOW-BGWC-36D	WG G																								6.42
29	BOW-BGWC-37D	WG G																								
30	BOW-BGWC-38D	WG G																								
31	BOW-BGWC-39	WG G																								
32	BOW-BGWC-40	WG G																								
33	BOW-BGWC-41D	WG G	2/11/23	1013	5.2	3																				7.65
34	BOW-BGWC-42D	WG G																								
35	BOW-BGWC-43D	WG G																								
36	BOW-BGWC-44D	WG G																								

REQUISITIONED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Kevin Stephenson / Pace	2/11/23	1316	Ben Williams / Pace	2/12/23	0840
Ryan Williams / Pace	2/12/23	1315	Kevin Stephenson / Pace	2/12/23	1315

SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER	Signature of SAMPLER	DATE Signed
		Kevin Stephenson, William Laaker, Meredith Duncanson	[Signature]	2/11/23
		Resolving Environmental	[Signature]	2/11/23

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





# CHAIN-OF-CUSTODY / Analytical Request Document

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Page: **4** Of **3**

<b>Section A</b> Required Client Information: Company: <b>Georgia Power</b> Address: <b>241 Ralph McGill Blvd. NE</b> Atlanta, GA 30308 Email: <b>kylurink@gaep.com</b> Phone: <b>(478)217-0008</b> Requested Due Date: <b>Standard</b>		<b>Section B</b> Required Project Information: Report To: <b>Kristen Jurkko, Anthony Szewat</b> Copy To: <b>Laura Mitchell, Ben Hodges, Mike Smiley</b> Noelle Gandy Purchase Order #: <b> Bowen AP-1</b> Project Name: <b> Bowen AP-1</b> Project #: _____	
<b>Section C</b> Invoice Information: Attention: _____ Company Name: <b>Georgia Power</b> Address: <b>241 Ralph McGill Blvd. NE, Atlanta, GA 30308</b> Pace Queue: _____ Pace Project Manager: <b>bonnie.wang@pacelabs.com</b> Pace Profile #: <b>10844-5</b>		<b>Section D</b> Regulatory Agency: _____ State/Location: <b>GA</b>	

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION		PRESERVATIVES		ANALYSES TEST	RESIDUAL CHLORINE (Y/N)	pH
					DATE	TIME	UNPRESERVED	H2SO4	HNO3	HCl			
37	BOW-BGWC-49D	WG G	2/1/23	1155	52	3					X		7.17
38	BOW-BGWC-50D	WG G									X		92649235
39	BOW-BGWC-61	WG G									X		
40	BOW-BGWC-52	WG G									X		
41	BOW-PZ-7	WG G									X		
42	BOW-AP1-FD-01	WG G									X		
43	BOW-AP1-FD-02	WG G									X		
44	BOW-AP1-FD-03	WG G									X		
45	BOW-AP1-FD-04	WG G	2/1/23		52	3					X		645
46	BOW-AP1-FD-05	WG G									X		
47	BOW-AP1-FD-01	WG G									X		
48	BOW-AP1-FD-02	WG G	2/1/23	1615	52	3					X		646

ADDITIONAL COMMENTS				REQUISITIONED BY / VERIFICATION				ACCEPTED BY / VERIFICATION				SAMPLE CONDITIONS							
TOTAL CODE: BOW-COR-ASSMT-30281												SIGNATURE OF SAMPLER: <i>[Signature]</i> PRINT NAME OF SAMPLER: <b>Kevin Stephenson, William Leaker, Mercedes Duncan</b> DATE SIGNED: <b>2/1/23</b>							
DATE SIGNED: <b>2/1/23</b> DATE SIGNED: <b>2/1/23</b>												RECEIVED BY: <i>[Signature]</i> PRINT NAME OF SAMPLER: <b>Kevin Stephenson, William Leaker, Mercedes Duncan</b>				RECEIVED BY: <i>[Signature]</i> PRINT NAME OF SAMPLER: <b>Kevin Stephenson, William Leaker, Mercedes Duncan</b>			
SIGNATURE OF SAMPLER: <i>[Signature]</i> PRINT NAME OF SAMPLER: <b>Kevin Stephenson, William Leaker, Mercedes Duncan</b>												DATE SIGNED: <b>2/1/23</b>				RECEIVED BY: <i>[Signature]</i> PRINT NAME OF SAMPLER: <b>Kevin Stephenson, William Leaker, Mercedes Duncan</b>			

*Pace*

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**CHAIN-OF-CUSTODY / Analytical Request Document**

Section A Required Client Information: Company: Georgia Power, Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308, Email: [krj@ga.com](mailto:krj@ga.com), Phone: (470)217-8008, Requested Due Date: Standard

Section B Required Project Information: Report To: Kristen Jurino, Anthony Sewast, Copy To: Laura Midkiff, Ben Hodges, Mike Smiley, Project Name: Bowen AP-1, Purchase Order #: Bowen AP-1, Project #: Bowen AP-1

Section C Invoice Information: Analyst: Georgia Power, Company Name: Georgia Power, Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308, Pace Order: [bonnie.yang@paceaba.com](mailto:bonnie.yang@paceaba.com), Pace Project Manager: [bonnie.yang@paceaba.com](mailto:bonnie.yang@paceaba.com), Pace Profile #: 10944-S

Requested Analytical Method (Y/N): Residual Chlorine (Y/N): *910499235*

ITEM #	SAMPLE ID	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES							Analytes Test	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320	Residual Chlorine (Y/N)														
						DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol								Other													
49	BOW-AP1-FB-03	Drinking Water	OW	WQ G	G																															
50	BOW-AP1-FB-04	Drinking Water	WT	WQ G	G																															
51	BOW-AP1-FB-01	Drinking Water	WT	WQ G	G																															
52	BOW-AP1-FB-02	Drinking Water	WT	WQ G	G																															
53	BOW-AP1-FB-03	Drinking Water	WT	WQ G	G																															
54	BOW-AP1-FB-04	Drinking Water	WT	WQ G	G																															
55	BOW-AP1-FB-05	Drinking Water	WT	WQ G	G																															
56	BOW-AP1-FB-06	Drinking Water	WT	WQ G	G																															
57	BOW-AP1-FB-07	Drinking Water	WT	WQ G	G	2/1/23	1605	52	3																											
58																																				
59																																				
60																																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Kevin Stephenson / Pace</i>	2/1/23	1315	<i>Kevin Stephenson / Pace</i>	2/1/23	0840	
	<i>Kevin Stephenson / Pace</i>	2/1/23	1315	<i>Kevin Stephenson / Pace</i>	2/1/23	1315	047

LAB CODE: BOW-COR-ASSMNT-001351

TEMP in C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

Signature of Sampler: *Kevin Stephenson* DATE SIGNED: 2/1/23

Signature of Client: *Kevin Stephenson, William Lanier, Meredith Duran* DATE SIGNED: 2/1/23

**Face**

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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

**Required Client Information:**  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Email: kinfurth@geopower.com  
 Phone: (478) 217-0088  
 Fax:  
 Requested Date Date: Standard

**Required Project Information:**  
 Report To: Kristin Jarrico, Anthony Szwarz  
 Copy To: Laura Mickitt, Ben Hodges, Mike Smiley, Noelia Camp  
 Purchase Order #: Bowen Apr-1  
 Project Name:  
 Project #:

**Invoicing Information:**  
 Attention:  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Piece Quote:  
 Piece Project Manager: kinfurth@geopower.com  
 Piece Profile #: 10844.5

**Regulatory Agency:**  
 Regulatory Agency: GA  
 State (US/CA):

ITEM #	SAMPLE ID One Character per box. Sample IDs must be unique  (A-Z, 0-9, -)	MATRIX	CODE	DATE	TIME	PRESERVATIVES								ANALYSES TEST				RESIDUAL CHLORINE (Y/N)		REMARKS	PH				
						Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320	Residual Chlorine (Y/N)						
1	BOW-BGWA-2	WG G																							
2	BOW-BGWA-29	WG G																							
3	BOW-BGWA-53	WG G	2/2/23	0955	5	2		3																6.70	098
4	BOW-BGWA-47D	WG G																							
5	BOW-BGWA-48D	WG G																							
6	BOW-BGWC-7	WG G																							
7	BOW-BGWC-8	WG G																							
8	BOW-BGWC-9	WG G																							
9	BOW-BGWC-10	WG G																							
10	BOW-BGWC-12	WG G																							
11	BOW-BGWC-14A	WG G																							
12	BOW-BGWC-16	WG G																							

**RELINQUISHED BY / AFFILIATION:**  
 Kevin Stephenson, Western Lakes, Meredith Duncan  
 Signature:

**ACCEPTED BY / AFFILIATION:**  
 Ryan Williams, PSC  
 Signature:

**DATE:** 2/1/23 1150

**DATE SIGNATURE:** 2/2/23

**TEMP IN C:**

**Received on Ice (Y/N):**

**Custody Sealed Cooler (Y/N):**

**Samples Intact (Y/N):**

Pace

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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.

Page : 2 of 5

<b>Section A</b> <b>Required Client Information:</b> Company: Georgia Power Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308 E-mail: <a href="mailto:kgurtek@sp.com">kgurtek@sp.com</a> Phone: (470)217-0008 Requested Date: Standard		<b>Section B</b> <b>Required Project Information:</b> Report To: Kristen Jurjko, Anthony Swart Copy To: Laura Mikoff, Ben Hodges, Mike Smiley Project Name: Bowen AP-1 Project #: Bowen AP-1 Purchase Order #: Bowen AP-1		<b>Section C</b> <b>Invoice Information:</b> Attention: Kevin Stephenson Company Name: Georgia Power Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308 Pace Project Manager: <a href="mailto:doanr.yerig@pacelabs.com">doanr.yerig@pacelabs.com</a> Pace Profile #: 10944.5	
<b>Regulatory Agency:</b> State of Georgia GA		<b>Requested Analyte Filtered (Y/N)</b> Metals Cl, F, SO4 Alkalinity TDS RAD 9315/9320		<b>Residual Chlorine (Y/N)</b> 0.2649285	

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							ANALYSES TEST	Residual Chlorine (Y/N)	PH		
					DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other	
13	BOW-BGWC-17	WG	G	WG																
14	BOW-BGWC-18	WG	G	WG																
15	BOW-BGWC-19	WG	G	WG																
16	BOW-BGWC-20	WG	G	WG																
17	BOW-BGWC-21	WG	G	WG																
18	BOW-BGWC-22	WG	G	WG																
19	BOW-BGWC-23	WG	G	WG	2/2/23	1040	5	2	3											6.80
20	BOW-BGWC-24	WG	G	WG																
21	BOW-BGWC-25	WG	G	WG																
22	BOW-BGWC-30	WG	G	WG																
23	BOW-BGWA-6	WG	G	WG																
24	BOW-BGWC-31	WG	G	WG																

<b>ADDITIONAL COMMENTS:</b> Test Code: BOW-CGR-ASSHT-202351 Kevin Williams / Pac 4 2/7/23 1150 2/9/23 1525 Kevin Williams / Pac 2/9/23 1527		<b>RECEIVED BY / AFFILIATION:</b> Kevin Stephenson, William Leaker, Meredith Duncan Resolute Environmental DATE SIGNED: 2/2/23		<b>ACCEPTED BY / AFFILIATION:</b> DATE: 2/9/23 TIME: 1150		<b>DATE:</b> 2/2/23		<b>TEMP in C</b>		<b>RECEIVED ON ICE (Y/N)</b>		<b>CUSTODY SEALED COOLER (Y/N)</b>		<b>SAMPLES INTACT (Y/N)</b>	
---	--	---	--	---	--	---------------------	--	------------------	--	------------------------------	--	------------------------------------	--	-----------------------------	--

**Pace**

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Page : 3 Of 5

# 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: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta GA 30308  
 Email: kurtunh@southernco.com  
 Phone: (478)317-0008  
 Requested Due Date: Standard

Section B  
Required Project Information:

Report To: Kristen Jurrino, Anthony Swast  
 Copy To: Laura Mielitz, Ben Hooper, Mike Smiley  
 Project Name: Bowen AP-1

Section C  
Invoice Information:

Attention: Georgia Power  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Pace Order:  
 Pace Project Manager: bornie.yang@pacelabs.com  
 Pace Profile #: 10644.5

**SAMPLE ID**  
 One Character per box  
 (A-Z, 0-9, /, -)  
 Sample IDs must be unique

ITEM #	MATERIAL Drinking Water Waste Water Process Water Oil Wipes Air Soil Tissue	CODE DW WT WW P SL OK WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							Analyses Test Metals Cl, F, SO4 Alkalinity TDS RAD 9315/8320	Residual Chlorine (Y/N)		
					DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other	Y/N
26	BOW-BGWC-32	WG	G					5.2	3										
27	BOW-BGWC-34D	WG	G																
28	BOW-BGWC-36D	WG	G	2/2/23	1142		5.2	3											
29	BOW-BGWC-37D	WG	G																
30	BOW-BGWC-38D	WG	G																
31	BOW-BGWC-39	WG	G																
32	BOW-BGWC-40	WG	G																
33	BOW-BGWC-41D	WG	G																
34	BOW-BGWC-42D	WG	G																
35	BOW-BGWC-43D	WG	G																
36	BOW-BGWC-44D	WG	G																

TEMP CODE	ADDITIONAL COMMENTS	RECORDED BY/APPLICATION	DATE	TIME	ACCEPTED BY/APPLICATION	DATE	TIME	SAMPLE CONDITIONS
BOW-CCL-ASBT-50351		<i>Melissa Brown</i>	2/7/23	1150	<i>Lyon Williams / Pac</i>	2/7/23	1150	
		<i>Lyon Williams</i>	2/7/23	1525	<i>Charles Fowler</i>	2/7/23	1525	

SAMPLER NAME AND SIGNATURE  
 PRINT NAME OF SAMPLER: Kavin Stephenson, William Laska, Meredith Durcan  
 SIGNATURE OF SAMPLER: [Signatures]  
 RESOLVE ENVIRONMENTAL

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





**Pace**

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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.

**Section A**

**Required Client Information:**  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308  
 Email: [klj@pacelabs.com](mailto:klj@pacelabs.com)  
 Phone: (478) 217-0008  
 Requested Due Date: Standard

**Required Project Information:**  
 Report To: Kissen Juriko, Anthony Szvart  
 Copy To: Laura McKel, Ben Hodges, Mike Smiley  
 Purchase Order #: Nealia Garof  
 Project Name: Bowen AP-1  
 Project #:

**Invoice Information:**  
 Attention:  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308  
 Page Quote:  
 Pace Project Manager: [lorras.yang@pacelabs.com](mailto:lorras.yang@pacelabs.com)  
 Pace Profile #: 10844-5

**Section B**

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES							ANALYSIS TEST	Residual Chlorine (Y/N)			
					DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other	Metals	Cl, F, SO4
48	BOW-AP1-FB-03	WQ G	WQ G	G	2/2/23	1310	5	2	3										92649235
49	BOW-AP1-FB-04	WQ G	WQ G	G															052
50	BOW-AP1-FB-01	WQ G	WQ G	G															
51	BOW-AP1-FB-02	WQ G	WQ G	G															
52	BOW-AP1-FB-03	WQ G	WQ G	G															
53	BOW-AP1-FB-04	WQ G	WQ G	G															
54	BOW-AP1-FB-05	WQ G	WQ G	G															
55	BOW-AP1-FB-06	WQ G	WQ G	G															
56	BOW-AP1-FB-07	WQ G	WQ G	G															
57	BOW-AP1-FB-08	WQ G	WQ G	G	2/2/23	1300	5	2	3										053
58																			
59																			
60																			

**Section C**

**ADDITIONAL COMMENTS:**  
 Task Code: BOW-COR-ASSMT-202351  
 RELINQUISHED BY / VERIFICATION: *Kevin Stephenson* / *Kevin Stephenson*  
 DATE: 2/7/23  
 TIME: 1150  
 ACCEPTED BY / VERIFICATION: *Kevin Stephenson* / *Kevin Stephenson*  
 DATE: 2/7/23  
 TIME: 1150

**SAMPLER NAME AND SIGNATURE:**  
 PRINT Name of SAMPLER: Kevin Stephenson, William Leaker, Meredith Duncan  
 SIGNATURE of SAMPLER: *Kevin Stephenson*  
 DATE Signed: 2/2/23

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



## 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/hubfs/pace-standard-terms.pdf>.

**Section A**

**Required Client Information:**  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Email: kyranik@pacelabs.com  
 Phone: (470)217-0008 Fax  
 Requested Date: Standard

**Section B**

**Required Project Information:**  
 Report To: Kristin Jurtho, Anthony Stewart  
 Copy To: Laura Mickit, Ben Hodges, Mike Snelley  
 Purchase Order #: Noora Ganji  
 Project Name: Bowen AP-1  
 Project #:

**Section C**

**Invoice Information:**  
 Attention: Kevin Stephenson  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Pace Quote:  
 Pace Project Manager: Natalie Yung@pacelabs.com  
 Pace Profile #: 10844-5

ITEM #	MATRIX	CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS								Analysis Test			Residual Chlorine (%N)	
			DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity		TDS
13	BOW-BGWC-17	WG G												X	X	X	X	
14	BOW-BGWC-18	WG G												X	X	X	X	
15	BOW-BGWC-19	WG G												X	X	X	X	
16	BOW-BGWC-20	WG G												X	X	X	X	
17	BOW-BGWC-21	WG G												X	X	X	X	
18	BOW-BGWC-22	WG G	2/17/23	1100	52	3								X	X	X	X	6.44 054
19	BOW-BGWC-23	WG G												X	X	X	X	
20	BOW-BGWC-24	WG G												X	X	X	X	
21	BOW-BGWC-25	WG G												X	X	X	X	
22	BOW-BGWC-30	WG G												X	X	X	X	
23	BOW-BGWA-6	WG G												X	X	X	X	
24	BOW-BGWC-31	WG G												X	X	X	X	

**ADDITIONAL COMMENTS:**  
**NEI MANAGED BY/AFFILIATION:** Kevin Stephenson, William Leaker, Meredith Duncan  
**DATE:** 2/16/23  
**TIME:** 1235  
**REGULATORY AGENCY:** State/Territory: GA  
**TEMP in C:**  
**Received on ice (Y/N):**  
**Custody Sealed Cooler (Y/N):**  
**Samples Intact (Y/N):**



**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: Georgia Power	Report To: Kristen LaRika, Anthony Szrajek	Company Name: Georgia Power
Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308	Copy To: Laura McKitt, Ben Hodges, Mike Smiley	Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308
Email: klybkrnk@southemco.com	Noelia Ganji	Phone Order: 10844.5
Phone: (470)217-0008	Purchase Order #: Bowen AP-1	Face Project Manager: hoxma.yung@gep.com
Requested Due Date: Standard	Project #: 10844.5	Face Profile #: 10844.5

Section B  
 Required Project Information:

MATRIX CODE (see valid codes to left)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS
SAMPLE TYPE (G=GRAB C=CAMP)				Unpreserved
				H2SO4
				HNO3
				HCl
				NaOH
				Na2S2O3
				Methanol
				Other

Section C  
 Invoice Information:

Company Name: Georgia Power	Company Name: Georgia Power
Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308	Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308
Phone Order: 10844.5	Phone Order: 10844.5
Face Project Manager: hoxma.yung@gep.com	Face Project Manager: hoxma.yung@gep.com
Face Profile #: 10844.5	Face Profile #: 10844.5

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, /, -) Sample IDs must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=CAMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							ANALYSIS TEST	Residual Chlorine (Y/N)	pH					
				DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				Other	Metals	Cl, F, SO4	Alkalinity	TDS
25	BOW-BGWC-32	WG G	G	2/7/23	1536	52	3								X	X	X	X	X	X		92659235
26	BOW-BGWC-34D	WG G	G												X	X	X	X	X	X		
27	BOW-BGWC-35D	WG G	G												X	X	X	X	X	X		
28	BOW-BGWC-36D	WG G	G												X	X	X	X	X	X		
29	BOW-BGWC-37D	WG G	G												X	X	X	X	X	X		
30	BOW-BGWC-38D	WG G	G	2/7/23	1536	52	3								X	X	X	X	X	X		
31	BOW-BGWC-39	WG G	G												X	X	X	X	X	X		
32	BOW-BGWC-40	WG G	G												X	X	X	X	X	X		
33	BOW-BGWC-41D	WG G	G												X	X	X	X	X	X		
34	BOW-BGWC-42D	WG G	G												X	X	X	X	X	X		
35	BOW-BGWC-43D	WG G	G	2/7/23	1139	52	3								X	X	X	X	X	X		
36	BOW-BGWC-44D	WG G	G												X	X	X	X	X	X		

ADDITIONAL COMMENTS	RELEASED BY/AFFILIATION	DATE	TIME	ACCEPTED BY/AFFILIATION	DATE	TIME
	<i>Kevin Williams</i>	2/16/23	1235	<i>Kevin Williams</i>	2/16/23	1235
	<i>Kevin Williams</i>	2/16/23	1630	<i>Kevin Williams</i>	2/16/23	1530

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

**Pace**

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://info.paceslabs.com/subs/ps-standard/terms.pdf>

**CHAIN-OF-CUSTODY / Analytical Request Document**

Section A  
 Section B  
 Section C  
 Section D  
 Section E  
 Section F  
 Section G  
 Section H  
 Section I  
 Section J  
 Section K  
 Section L  
 Section M  
 Section N  
 Section O  
 Section P  
 Section Q  
 Section R  
 Section S  
 Section T  
 Section U  
 Section V  
 Section W  
 Section X  
 Section Y  
 Section Z

**Requested Client Information:**  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308  
 Email: kpyunr@ge.com  
 Phone: (478) 217-2008 Fax  
 Requested Due Date: Standard

**Requested Project Information:**  
 Report To: Kristen Jenkins, Anthony Stewart  
 Copy To: Laura Miller, Ben Hodges, Mike Smiley  
 Project #: Noelia Garcia

**Invoice Information:**  
 Attention: Pace Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308  
 Pace Project Manager: borrie.wang@paceslabs.com  
 Pace Profile #: 10844-5

**Regulatory Agency:**  
 State / Location: GA

ITEM #	SAMPLE ID	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS								Analysis Test	Residual Chlorine (Y/N)	pH	
						DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				Metals
37	BOW-BGWC-49D	Dinking Water	DW	WG G																
38	BOW-BGWC-50D	Water	WT	WG G																
39	BOW-BGWC-51	Waste Water	WW	WG G																
40	BOW-BGWC-52	Stormwater	SW	WG G																
41	BOW-PZ-7	Stormwater	SW	WG G																
42	BOW-AP1-FD-01	Stormwater	SW	WG G																
43	BOW-AP1-FD-02	Stormwater	SW	WG G																
44	BOW-AP1-FD-03	Stormwater	SW	WG G																
45	BOW-AP1-FD-04	Stormwater	SW	WG G																
46	BOW-AP1-FD-05	Stormwater	SW	WG G		2/17/23														
47	BOW-AP1-EB-01	Stormwater	SW	WG G																
48	BOW-AP1-EB-02	Stormwater	SW	WG G																

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: Kevin Stephens  
 SIGNATURE of SAMPLER: [Signature]  
 DATE Signed: 2/17/23

**ACCEPTED BY / AFFILIATION**  
 DATE: 2/10/23  
 TIME: 1235  
 SIGNATURE: Ryan Williams/Pace  
 DATE: 2/10/23  
 TIME: 1536  
 SIGNATURE: Ryan Williams/Pace

**TEMP IN C**  
 Received on ice (Y/N)  
 Custody Sealed Cooler (Y/N)  
 Samples Intact (Y/N)



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://rpls.paceusa.com/subspes-standard-terms.pdf>.

## 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: Georgia Power  
 Address: 241 Ralph McGill Blvd NE  
 Atlanta, GA 30308  
 Email: [ajryunick@spacem.com](mailto:ajryunick@spacem.com)  
 Phone: (478)217-0006 Fax:  
 Requested Due Date: Standard Project #:

**Required Project Information:**  
 Report To: Kristen Jumbo, Anthony Swears  
 Copy To: Laura Middlett, Ben Hodges, Mike Smiley  
 Location: Noxalis Georgia  
 Purchase Order #:  
 Project Name: Bowen AP-1  
 Project #:

**Invoice Information:**  
 Invoiced:   
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308  
 Pace Quote:  
 Pace Project Manager: boranie.vang@spacelab.com  
 Pace Profile #: 10844-5

Regulatory Agency:   
 State / Location: GA

**Section B**

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes in ltr)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Y/N	Requester Analytical Element (Y/N)	Residual Chlorine (Y/N)						
									Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other					Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320	
49	BOW-AP1-FB-03	WQ	G																							
50	BOW-AP1-FB-04	WQ	G		2/7/23	1330	52	3																	92649235	
51	BOW-AP1-FB-01	WQ	G																							
52	BOW-AP1-FB-02	WQ	G																							
53	BOW-AP1-FB-03	WQ	G																							
54	BOW-AP1-FB-04	WQ	G																							
55	BOW-AP1-FB-05	WQ	G																							
56	BOW-AP1-FB-06	WQ	G																							
57	BOW-AP1-FB-07	WQ	G																							
58	BOW-AP1-FB-08	WQ	G																							
59	BOW-AP1-FB-09	WQ	G		2/7/23	1325	52	3																		
60																										

ADDITIONAL COMMENTS:   
 RELINQUISHED BY / APTIGATION:   
 ACCEPTED BY / APTIGATION:   
 DATE:   
 TIME:   
 SAMPLE CONDITIONS:   
 SAMPLE NAME AND SIGNATURE:   
 PRINT Name of SAMPLER:   
 SIGNATURE of SAMPLER:   
 DATE Signed:   
 TEMP in C:   
 Received on Ice (Y/N):   
 Custody Sealed Cooler (Y/N):   
 Samples Intact (Y/N):

2/10/23 1235 Kevin William Davis 2/10/23 1235  
 2/14/23 1530 Charles Herb 2/10/23 1530

Kevin Stephenson, William Leaker, Meredith Durcan  
 Resolute Environmental

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:

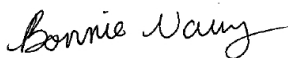
Enclosed are the analytical results for sample(s) received by the laboratory between January 27, 2023 and February 10, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where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

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### **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

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## 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

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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

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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

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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
<b>92649233001</b>	<b>BOW-BGWA-2</b>					
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	
<b>92649233002</b>	<b>BOW-BGWA-29</b>					
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	
<b>92649233003</b>	<b>BOW-BGWA-47D</b>					
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	
<b>92649233004</b>	<b>BOW-BGWA-48D</b>					
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
<b>92649233005</b>	<b>BOW-BGWC-7</b>					
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	
<b>92649233006</b>	<b>BOW-BGWC-8</b>					
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	
<b>92649233007</b>	<b>BOW-BGWC-17</b>					
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	
<b>92649233008</b>	<b>BOW-BGWC-18</b>					
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
<b>92649233009</b>	<b>BOW-BGWA-6</b>					
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	
<b>92649233010</b>	<b>BOW-BGWC-44D</b>					
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	
<b>92649233011</b>	<b>BOW-AP1-FD-02</b>					
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	
<b>92649233012</b>	<b>BOW-AP1-FD-01</b>					
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	

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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
<b>92649233013</b>	<b>BOW-BGWC-50D</b>					
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	
<b>92649233014</b>	<b>BOW-AP1-FB-02</b>					
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	
<b>92649233015</b>	<b>BOW-AP1-FB-01</b>					
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	
<b>92649233016</b>	<b>BOW-AP1-FB-03</b>					
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	

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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
<b>92649233017</b>	<b>BOW-BGWC-9</b>					
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	
<b>92649233018</b>	<b>BOW-BGWC-12</b>					
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	
<b>92649233019</b>	<b>BOW-BGWC-14A</b>					
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	
<b>92649233020</b>	<b>BOW-BGWC-16</b>					
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
<b>92649233021</b>	<b>BOW-BGWC-10</b>					
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	
<b>92649233022</b>	<b>BOW-BGWC-19</b>					
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	
<b>92649233023</b>	<b>BOW-BGWC-21</b>					
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	
<b>92649233024</b>	<b>BOW-BGWC-25</b>					
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
<b>92649233025</b>	<b>BOW-BGWC-31</b>					
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	
<b>92649233026</b>	<b>BOW-AP1-FB-04</b>					
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	
<b>92649233027</b>	<b>BOW-BGWC-20</b>					
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	
<b>92649233028</b>	<b>BOW-BGWC-34D</b>					
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	

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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
<b>92649233029</b>	<b>BOW-BGWC-35D</b>					
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	
<b>92649233030</b>	<b>BOW-BGWC-37D</b>					
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	
<b>92649233031</b>	<b>BOW-BGWC-42D</b>					
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	
<b>92649233032</b>	<b>BOW-AP1-FD-03</b>					
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	

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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
<b>92649233033</b>	<b>BOW-AP1-FB-05</b>					
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	
<b>92649233034</b>	<b>BOW-BGWC-32</b>					
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	
<b>92649233035</b>	<b>BOW-BGWC-40</b>					
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	
<b>92649233036</b>	<b>BOW-BGWC-51</b>					
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
<b>92649233037</b>	<b>BOW-BGWC-52</b>					
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	
<b>92649233038</b>	<b>BOW-AP1-EB-01</b>					
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	
<b>92649233039</b>	<b>BOW-AP1-FB-06</b>					
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	
<b>92649233040</b>	<b>BOW-BGWC-24</b>					
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
<b>92649233041</b>	<b>BOW-BGWC-30</b>					
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	
<b>92649233042</b>	<b>BOW-BGWC-36D</b>					
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	
<b>92649233043</b>	<b>BOW-BGWC-41D</b>					
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	
<b>92649233044</b>	<b>BOW-BGWC-49D</b>					
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
<b>92649233045</b>	<b>BOW-AP1-FD-04</b>					
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	
<b>92649233046</b>	<b>BOW-AP1-EB-02</b>					
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	
<b>92649233047</b>	<b>BOW-AP1-FB-07</b>					
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	
<b>92649233048</b>	<b>BOW-BGWA-33</b>					
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
<b>92649233048</b>	<b>BOW-BGWA-33</b>					
Total Radium Calculation	Total Radium	1.21 ± 0.588 (0.875)	pCi/L		03/03/23 15:28	
<b>92649233049</b>	<b>BOW-BGWC-23</b>					
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	
<b>92649233050</b>	<b>BOW-BGWC-39</b>					
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	
<b>92649233051</b>	<b>BOW-PZ-7</b>					
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	
<b>92649233052</b>	<b>BOW-AP1-EB-03</b>					
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
<b>92649233052</b>	<b>BOW-AP1-EB-03</b>					
Total Radium Calculation	Total Radium	0.497 ± 0.500 (1.09)	pCi/L		02/28/23 16:08	
<b>92649233053</b>	<b>BOW-AP1-FB-08</b>					
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	
<b>92649233054</b>	<b>BOW-BGWC-22</b>					
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	
<b>92649233055</b>	<b>BOW-BGWC-38D</b>					
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	
<b>92649233056</b>	<b>BOW-BGWC-43D</b>					
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
<b>92649233056</b>	<b>BOW-BGWC-43D</b>					
Total Radium Calculation	Total Radium	1.53 ± 0.742 (1.13)	pCi/L		03/06/23 14:37	
<b>92649233057</b>	<b>BOW-AP1-FD-05</b>					
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	
<b>92649233058</b>	<b>BOW-AP1-EB-04</b>					
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	
<b>92649233059</b>	<b>BOW-AP1-FB-9</b>					
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

**Sample: BOW-BGWA-2**      **Lab ID: 92649233001**      Collected: 01/24/23 15:27      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	<b>0.184 ± 0.111 (0.159)</b> <b>C:96% T:NA</b>	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>1.34 ± 0.601 (0.966)</b> <b>C:77% T:69%</b>	pCi/L	02/13/23 17:17	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.52 ± 0.712 (1.13)</b>	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	<b>0.0780 ± 0.0855 (0.167)</b> <b>C:93% T:NA</b>	pCi/L	02/21/23 18:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.633 ± 0.416 (0.769)</b> <b>C:76% T:80%</b>	pCi/L	02/13/23 17:18	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.711 ± 0.502 (0.936)</b>	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	<b>0.228 ± 0.127 (0.178)</b> <b>C:93% T:NA</b>	pCi/L	02/21/23 18:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.727 ± 0.450 (0.830)</b> <b>C:72% T:86%</b>	pCi/L	02/13/23 17:18	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.955 ± 0.577 (1.01)</b>	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-48D**      **Lab ID: 92649233004**      Collected: 01/24/23 11:45      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	<b>0.149 ± 0.100 (0.148)</b> <b>C:94% T:NA</b>	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.440 ± 0.436 (0.889)</b> <b>C:71% T:77%</b>	pCi/L	02/13/23 17:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.589 ± 0.536 (1.04)</b>	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
<b>Sample: BOW-BGWC-7</b> <b>Lab ID: 92649233005</b> 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	<b>0.592 ± 0.193 (0.156)</b> <b>C:97% T:NA</b>	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>1.14 ± 0.618 (1.14)</b> <b>C:74% T:82%</b>	pCi/L	02/13/23 17:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.73 ± 0.811 (1.30)</b>	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
<b>Sample: BOW-BGWC-8</b> <b>Lab ID: 92649233006</b> Collected: 01/26/23 14:20      Received: 01/27/23 12:10      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.199 ± 0.129 (0.217)</b> <b>C:93% T:NA</b>	pCi/L	02/21/23 18:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.430 ± 0.501 (1.06)</b> <b>C:75% T:80%</b>	pCi/L	02/13/23 17:18	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.629 ± 0.630 (1.28)</b>	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	<b>0.0442 ± 0.0823 (0.188)</b> <b>C:90% T:NA</b>	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.974 ± 0.558 (1.03)</b> <b>C:76% T:82%</b>	pCi/L	02/13/23 17:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.02 ± 0.640 (1.22)</b>	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	<b>0.109 ± 0.101 (0.183)</b> <b>C:78% T:NA</b>	pCi/L	02/21/23 18:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>1.35 ± 0.670 (1.20)</b> <b>C:75% T:79%</b>	pCi/L	02/13/23 17:18	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.46 ± 0.771 (1.38)</b>	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	<b>0.388 ± 0.154 (0.135)</b> <b>C:92% T:NA</b>	pCi/L	02/21/23 18:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.335 ± 0.281 (0.565)</b> <b>C:122% T:84%</b>	pCi/L	02/13/23 17:19	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.723 ± 0.435 (0.700)</b>	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-44D**      **Lab ID: 92649233010**      Collected: 01/25/23 14:08      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	<b>0.205 ± 0.145 (0.256)</b> <b>C:83% T:NA</b>	pCi/L	02/21/23 19:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.412 ± 0.397 (0.807)</b> <b>C:75% T:80%</b>	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.617 ± 0.542 (1.06)</b>	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-02**      **Lab ID: 92649233011**      Collected: 01/26/23 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	<b>-0.0706 ± 0.0552 (0.227)</b> <b>C:81% T:NA</b>	pCi/L	02/21/23 19:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.731 ± 0.449 (0.821)</b> <b>C:77% T:80%</b>	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.731 ± 0.504 (1.05)</b>	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	<b>0.115 ± 0.104 (0.188)</b> <b>C:83% T:NA</b>	pCi/L	02/21/23 19:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.677 ± 0.475 (0.909)</b> <b>C:76% T:79%</b>	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.792 ± 0.579 (1.10)</b>	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	<b>0.588 ± 0.208 (0.190)</b> <b>C:79% T:NA</b>	pCi/L	02/21/23 19:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>-0.0263 ± 0.426 (1.00)</b> <b>C:74% T:76%</b>	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.588 ± 0.634 (1.19)</b>	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	<b>0.0249 ± 0.0804 (0.199)</b> <b>C:93% T:NA</b>	pCi/L	02/21/23 19:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>-0.0827 ± 0.424 (1.01)</b> <b>C:73% T:73%</b>	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.0249 ± 0.504 (1.21)</b>	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	<b>0.0118 ± 0.0722 (0.191)</b> <b>C:91% T:NA</b>	pCi/L	02/21/23 19:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.544 ± 0.405 (0.782)</b> <b>C:78% T:81%</b>	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.556 ± 0.477 (0.973)</b>	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	<b>0.0577 ± 0.0834 (0.179)</b> <b>C:94% T:NA</b>	pCi/L	02/21/23 19:24	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.552 ± 0.459 (0.913)</b> <b>C:78% T:79%</b>	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.610 ± 0.542 (1.09)</b>	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	<b>0.178 ± 0.124 (0.201)</b> <b>C:86% T:NA</b>	pCi/L	02/21/23 19:25	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.0696 ± 0.487 (1.11)</b> <b>C:73% T:82%</b>	pCi/L	02/13/23 17:19	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.248 ± 0.611 (1.31)</b>	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
<b>Sample: BOW-BGWC-12</b> <b>Lab ID: 92649233018</b> Collected: 01/26/23 10:35      Received: 01/27/23 12:10      Matrix: Water PWS:      Site ID:      Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	<b>0.00880 ± 0.0943 (0.245)</b> <b>C:88% T:NA</b>	pCi/L	02/22/23 08:49	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.655 ± 0.539 (1.08)</b> <b>C:75% T:78%</b>	pCi/L	02/13/23 17:20	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.664 ± 0.633 (1.33)</b>	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	<b>0.125 ± 0.115 (0.218)</b> <b>C:85% T:NA</b>	pCi/L	02/22/23 08:51	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>1.18 ± 0.587 (1.04)</b> <b>C:76% T:80%</b>	pCi/L	02/13/23 17:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.31 ± 0.702 (1.26)</b>	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	<b>0.246 ± 0.131 (0.174)</b> <b>C:90% T:NA</b>	pCi/L	02/22/23 09:01	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.959 ± 0.574 (1.08)</b> <b>C:75% T:84%</b>	pCi/L	02/13/23 17:20	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.21 ± 0.705 (1.25)</b>	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	<b>0.647 ± 0.173 (0.143)</b> <b>C:91% T:NA</b>	pCi/L	02/21/23 19:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>1.17 ± 0.495 (0.825)</b> <b>C:87% T:85%</b>	pCi/L	02/14/23 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.82 ± 0.668 (0.968)</b>	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-19**      **Lab ID: 92649233022**      Collected: 01/27/23 10:20      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	<b>0.242 ± 0.148 (0.216)</b> <b>C:88% T:NA</b>	pCi/L	02/21/23 19:32	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.914 ± 0.434 (0.754)</b> <b>C:84% T:91%</b>	pCi/L	02/14/23 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.16 ± 0.582 (0.970)</b>	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	<b>0.137 ± 0.106 (0.168)</b> <b>C:97% T:NA</b>	pCi/L	02/21/23 19:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.143 ± 0.405 (0.906)</b> <b>C:69% T:91%</b>	pCi/L	02/14/23 14:36	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.280 ± 0.511 (1.07)</b>	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-25**      **Lab ID: 92649233024**      Collected: 01/27/23 13:30      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	<b>0.175 ± 0.118 (0.183)</b> <b>C:97% T:NA</b>	pCi/L	02/21/23 19:33	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.593 ± 0.426 (0.839)</b> <b>C:81% T:90%</b>	pCi/L	02/14/23 14:36	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.768 ± 0.544 (1.02)</b>	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
<b>Sample: BOW-BGWC-31</b> <b>Lab ID: 92649233025</b> 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	<b>0.676 ± 0.231 (0.208)</b> <b>C:93% T:NA</b>	pCi/L	02/21/23 19:33	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.781 ± 0.401 (0.712)</b> <b>C:86% T:90%</b>	pCi/L	02/14/23 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>1.46 ± 0.632 (0.920)</b>	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	<b>0.00862 ± 0.0802 (0.213)</b> <b>C:98% T:NA</b>	pCi/L	02/21/23 19:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.108 ± 0.330 (0.740)</b> <b>C:80% T:94%</b>	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.117 ± 0.410 (0.953)</b>	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-20**      **Lab ID: 92649233027**      Collected: 01/30/23 11:07      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	<b>0.289 ± 0.153 (0.211)</b> <b>C:97% T:NA</b>	pCi/L	02/21/23 19:34	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.274 ± 0.348 (0.739)</b> <b>C:80% T:89%</b>	pCi/L	02/14/23 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.563 ± 0.501 (0.950)</b>	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-34D**      **Lab ID: 92649233028**      Collected: 01/30/23 13:35      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	<b>1.76 ± 0.414 (0.205)</b> <b>C:92% T:NA</b>	pCi/L	02/21/23 19:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.816 ± 0.405 (0.714)</b> <b>C:86% T:92%</b>	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>2.58 ± 0.819 (0.919)</b>	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-35D**      **Lab ID: 92649233029**      Collected: 01/30/23 10:35      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	<b>1.19 ± 0.315 (0.194)</b> <b>C:100% T:NA</b>	pCi/L	02/21/23 19:34	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>1.11 ± 0.472 (0.776)</b> <b>C:84% T:86%</b>	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>2.30 ± 0.787 (0.970)</b>	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	<b>0.829 ± 0.260 (0.231)</b> <b>C:91% T:NA</b>	pCi/L	02/22/23 08:54	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>1.31 ± 0.486 (0.723)</b> <b>C:82% T:85%</b>	pCi/L	02/14/23 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>2.14 ± 0.746 (0.954)</b>	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-42D**      **Lab ID: 92649233031**      Collected: 01/30/23 14:35      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	<b>0.191 ± 0.132 (0.211)</b> <b>C:94% T:NA</b>	pCi/L	02/22/23 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.519 ± 0.385 (0.755)</b> <b>C:84% T:83%</b>	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.710 ± 0.517 (0.966)</b>	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	<b>0.582 ± 0.215 (0.207)</b> <b>C:90% T:NA</b>	pCi/L	02/22/23 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>1.36 ± 0.543 (0.869)</b> <b>C:77% T:89%</b>	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.94 ± 0.758 (1.08)</b>	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	<b>0.0387 ± 0.0870 (0.206)</b> <b>C:100% T:NA</b>	pCi/L	02/22/23 08:57	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.0205 ± 0.311 (0.718)</b> <b>C:86% T:88%</b>	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.0592 ± 0.398 (0.924)</b>	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	<b>0.746 ± 0.237 (0.180)</b> <b>C:94% T:NA</b>	pCi/L	02/22/23 08:58	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.745 ± 0.438 (0.809)</b> <b>C:76% T:85%</b>	pCi/L	02/14/23 14:37	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>1.49 ± 0.675 (0.989)</b>	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-40**      **Lab ID: 92649233035**      Collected: 01/31/23 10:40      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	<b>0.123 ± 0.102 (0.170)</b> <b>C:94% T:NA</b>	pCi/L	02/22/23 10:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.375 ± 0.369 (0.760)</b> <b>C:79% T:84%</b>	pCi/L	02/14/23 14:37	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.498 ± 0.471 (0.930)</b>	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-51**      **Lab ID: 92649233036**      Collected: 01/31/23 13:00      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	<b>-0.00237 ± 0.0605 (0.175)</b> <b>C:98% T:NA</b>	pCi/L	02/22/23 10:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.707 ± 0.350 (0.590)</b> <b>C:80% T:101%</b>	pCi/L	02/14/23 17:45	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.707 ± 0.411 (0.765)</b>	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-52**      **Lab ID: 92649233037**      Collected: 01/31/23 15:00      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	<b>0.0979 ± 0.0975 (0.184)</b> <b>C:96% T:NA</b>	pCi/L	02/22/23 10:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.482 ± 0.308 (0.565)</b> <b>C:80% T:96%</b>	pCi/L	02/14/23 17:45	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.580 ± 0.406 (0.749)</b>	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-EB-01**      **Lab ID: 92649233038**      Collected: 01/31/23 13:55      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	<b>0.0511 ± 0.0859 (0.192)</b> <b>C:100% T:NA</b>	pCi/L	02/22/23 10:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.478 ± 0.318 (0.599)</b> <b>C:77% T:104%</b>	pCi/L	02/14/23 17:45	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.529 ± 0.404 (0.791)</b>	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	<b>0.0414 ± 0.0745 (0.168)</b> <b>C:93% T:NA</b>	pCi/L	02/22/23 10:21	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.131 ± 0.280 (0.622)</b> <b>C:78% T:95%</b>	pCi/L	02/14/23 17:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.172 ± 0.355 (0.790)</b>	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-24**      **Lab ID: 92649233040**      Collected: 02/01/23 14:43      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	<b>0.596 ± 0.207 (0.180)</b> <b>C:95% T:NA</b>	pCi/L	02/22/23 10:21	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.706 ± 0.396 (0.738)</b> <b>C:83% T:106%</b>	pCi/L	02/14/23 17:45	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>1.30 ± 0.603 (0.918)</b>	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	<b>0.536 ± 0.206 (0.169)</b> <b>C:98% T:NA</b>	pCi/L	02/20/23 09:02	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.400 ± 0.319 (0.627)</b> <b>C:81% T:87%</b>	pCi/L	02/14/23 16:29	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.936 ± 0.525 (0.796)</b>	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	<b>0.406 ± 0.195 (0.246)</b> <b>C:95% T:NA</b>	pCi/L	02/20/23 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.768 ± 0.390 (0.678)</b> <b>C:81% T:88%</b>	pCi/L	02/14/23 16:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.17 ± 0.585 (0.924)</b>	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-41D**      **Lab ID: 92649233043**      Collected: 02/01/23 10:13      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	<b>0.890 ± 0.274 (0.194)</b> <b>C:98% T:NA</b>	pCi/L	02/20/23 09:02	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.695 ± 0.375 (0.667)</b> <b>C:81% T:91%</b>	pCi/L	02/14/23 16:29	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>1.59 ± 0.649 (0.861)</b>	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	<b>0.612 ± 0.225 (0.211)</b> <b>C:100% T:NA</b>	pCi/L	02/20/23 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.957 ± 0.412 (0.653)</b> <b>C:78% T:88%</b>	pCi/L	02/14/23 16:29	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.57 ± 0.637 (0.864)</b>	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-FD-04**      **Lab ID: 92649233045**      Collected: 02/01/23 00:00      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	<b>0.825 ± 0.262 (0.211)</b> <b>C:101% T:NA</b>	pCi/L	02/20/23 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.787 ± 0.393 (0.667)</b> <b>C:77% T:85%</b>	pCi/L	02/14/23 16:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.61 ± 0.655 (0.878)</b>	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	<b>0.154 ± 0.116 (0.183)</b> <b>C:101% T:NA</b>	pCi/L	02/20/23 09:02	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.0797 ± 0.289 (0.656)</b> <b>C:78% T:94%</b>	pCi/L	02/14/23 16:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.234 ± 0.405 (0.839)</b>	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-FB-07**      **Lab ID: 92649233047**      Collected: 02/01/23 16:05      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	<b>0.0254 ± 0.0851 (0.214)</b> <b>C:100% T:NA</b>	pCi/L	02/20/23 09:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.177 ± 0.276 (0.598)</b> <b>C:83% T:93%</b>	pCi/L	02/14/23 16:30	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.202 ± 0.361 (0.812)</b>	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	<b>0.930 ± 0.261 (0.190)</b> <b>C:101% T:NA</b>	pCi/L	03/01/23 09:11	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.281 ± 0.327 (0.685)</b> <b>C:88% T:82%</b>	pCi/L	02/28/23 17:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.21 ± 0.588 (0.875)</b>	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

**Sample: BOW-BGWC-23**      **Lab ID: 92649233049**      Collected: 02/02/23 10:40      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	<b>0.318 ± 0.157 (0.188)</b> <b>C:93% T:NA</b>	pCi/L	03/01/23 09:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.465 ± 0.357 (0.692)</b> <b>C:85% T:84%</b>	pCi/L	02/28/23 17:07	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.783 ± 0.514 (0.880)</b>	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

**Sample: BOW-BGWC-39**      **Lab ID: 92649233050**      Collected: 02/02/23 11:42      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	<b>0.107 ± 0.106 (0.201)</b> <b>C:82% T:NA</b>	pCi/L	03/01/23 10:46	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.835 ± 0.432 (0.748)</b> <b>C:82% T:83%</b>	pCi/L	02/28/23 17:08	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.942 ± 0.538 (0.949)</b>	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
<b>Sample: BOW-PZ-7</b> <b>Lab ID: 92649233051</b> 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	<b>0.118 ± 0.117 (0.219)</b> <b>C:87% T:NA</b>	pCi/L	03/01/23 09:01	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.630 ± 0.400 (0.750)</b> <b>C:81% T:89%</b>	pCi/L	02/28/23 17:08	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>0.748 ± 0.517 (0.969)</b>	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

**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:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	<b>-0.0217 ± 0.107 (0.304)</b> <b>C:97% T:NA</b>	pCi/L	02/28/23 08:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.497 ± 0.393 (0.790)</b> <b>C:83% T:88%</b>	pCi/L	02/28/23 12:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.497 ± 0.500 (1.09)</b>	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

**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:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	<b>-0.0348 ± 0.0751 (0.252)</b> <b>C:96% T:NA</b>	pCi/L	02/28/23 08:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.389 ± 0.381 (0.787)</b> <b>C:76% T:90%</b>	pCi/L	02/28/23 12:38	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.389 ± 0.456 (1.04)</b>	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
<b>Sample: BOW-BGWC-22</b> <b>Lab ID: 92649233054</b> Collected: 02/07/23 11:00      Received: 02/10/23 15:30      Matrix: Water PWS:      Site ID:      Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	<b>0.889 ± 0.292 (0.284)</b> <b>C:98% T:NA</b>	pCi/L	03/03/23 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.557 ± 0.470 (0.937)</b> <b>C:69% T:80%</b>	pCi/L	02/28/23 17:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.45 ± 0.762 (1.22)</b>	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	<b>1.37 ± 0.371 (0.212)</b> <b>C:95% T:NA</b>	pCi/L	03/03/23 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>1.56 ± 0.557 (0.789)</b> <b>C:77% T:88%</b>	pCi/L	02/28/23 17:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>2.93 ± 0.928 (1.00)</b>	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	<b>0.575 ± 0.225 (0.211)</b> <b>C:92% T:NA</b>	pCi/L	03/03/23 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.956 ± 0.517 (0.923)</b> <b>C:75% T:79%</b>	pCi/L	02/28/23 17:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>1.53 ± 0.742 (1.13)</b>	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-AP1-FD-05**      **Lab ID: 92649233057**      Collected: 02/07/23 00:00      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	<b>0.779 ± 0.263 (0.202)</b> <b>C:94% T:NA</b>	pCi/L	03/03/23 09:54	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	<b>0.508 ± 0.388 (0.754)</b> <b>C:77% T:83%</b>	pCi/L	02/28/23 17:10	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	<b>1.29 ± 0.651 (0.956)</b>	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-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	<b>-0.0164 ± 0.127 (0.349)</b> <b>C:92% T:NA</b>	pCi/L	03/03/23 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>0.404 ± 0.415 (0.859)</b> <b>C:78% T:83%</b>	pCi/L	02/28/23 17:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.404 ± 0.542 (1.21)</b>	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
<b>Sample: BOW-AP1-FB-9</b> <b>Lab ID: 92649233059</b> 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	<b>0.101 ± 0.145 (0.315)</b> <b>C:92% T:NA</b>	pCi/L	03/03/23 08:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	<b>-0.151 ± 0.298 (0.742)</b> <b>C:74% T:89%</b>	pCi/L	02/28/23 17:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	<b>0.101 ± 0.443 (1.06)</b>	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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**REPORT OF LABORATORY ANALYSIS**

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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

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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

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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

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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

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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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## QUALIFIERS

Project: Bowen AP-1 - RADS  
Pace Project No.: 92649233

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### 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.

## 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
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		

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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		

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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		

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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:

GA Power

Project #:

WO#: 92649233



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 ESW

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  Yes  No  N/A

Thermometer:  IR Gun ID: 230 Type of Ice:  Wet  Blue  None

Cooler Temp: 5.4/3.1/4.8 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): 5.1 5.4/3.1/4.8/5.1

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.	
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:	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

WO#: 92649233

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 02/17/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DR0/8015 (water) DOC, LLHg

CLIENT: GA-GA Power

\*\*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-)	WG7U-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-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 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)	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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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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.



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, TOC, Oil and Grease, DRO/8015 (water) DOC, LUHg

\*\*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	AG1U-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 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)	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)	BP4N	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
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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.



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

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92649233

PM: BV

Due Date: 02/17/23

CLIENT: GA-GA Power

Courier:

Commercial

Fed Ex  
 Pace

UPS

USPS

Other:

Client

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

Cooler Temp:

3.1

Correction Factor:

Add/Subtract (°C)

0.0

Cooler Temp Corrected (°C):

3.1

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

Chain of Custody Present?	Yes	No	N/A	1.	Comments/Discrepancy:
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.	
Containers Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	9.	
Sample Labels Match COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Includes Date/Time/ID/Analysis Matrix:					W
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

CLIENT NOTIFICATION/RESOLUTION

Lot ID of split containers:

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# : 92649233**

PM: BV

Due Date: 02/17/23

CLIENT: GA-GA Power

Item#	BP40U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP30U-250 mL Plastic Unpreserved (N/A)	BP20U-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-)	WGJU-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-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 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)	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)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DGBU-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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BP1N  
 BP2N  
 BP3N  
 BP4N  
 BP5N  
 BP6N  
 BP7N  
 BP8N  
 BP9N  
 BP10N  
 BP11N  
 BP12N

**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.



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#: 92649233

PM: BV

Due Date: 02/17/23

CLIENT: GA-GA Power

Item#	BP40-125 mL Plastic Unpreserved (N/A) (Cl-)	BP90-250 mL Plastic Unpreserved (N/A)	BP20-500 mL Plastic Unpreserved (N/A)	BP10-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG10-1 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)	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)	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 (9.9-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
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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.



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

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO#: 92649233

Courier:  Commercial  Pace  Fed Ex  UPS  USPS  Other:  Client

PM: BV Due Date: 02/17/23 CLIENT: GA-GA Power

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/7/23 Cof

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  Yes  No  N/A

Thermometer:  Gun ID: 230 Type of Ice:  Wet  Blue  None

Cooler Temp: 2.3 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): 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 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 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:	W	
Headspace in VDA 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# : 92649233**

PM: BV

Due Date: 02/17/23

CLIENT: GA-GA Power

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 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFLU-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-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 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)	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 - 1bb)	SP2T-250 mL Sterile Plastic (N/A - 1bb)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VS9U-20 mL Scintillation vials (N/A)	DG9U-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 DENR Certification Office (i.e. Out of hold, 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: GA Power

Project #: **WO# : 92649233**

Courier:  Commercial  Fed Ex  Pace  UPS  USPS  Other:  Client

PM: BV Due Date: 02/17/23  
CLIENT: GA-GA Power

Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 2/10/23  
GA

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  Yes  No  N/A

Thermometer:  IR Gun ID: 230 Type of Ice:  Wet  Blue  None

Cooler Temp: 3.8 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): 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 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 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 type="checkbox"/> No <input checked="" 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"/>		
Containers Intact?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	7.	
Dissolved analysis: Samples Field Filtered?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	8.	
Sample Labels Match CDC?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	9.	
Includes Date/Time/ID/Analysis Matrix: <u>W</u>			
Headspace in VOA Vials (>5-6mm)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	10.	
Tri p Blank Present?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	11.	
Tri p 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

\*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#: 92649233

PM: BV

Due Date: 02/17/23

CLIENT: GA-GA Power

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	AG1U-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)	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)	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)	AGOU-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	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

BP1U  
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 hdd, incorrect preservative, out of temp, incorrect containers.

Page

Section A Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Peace Terms and Conditions found at <https://info.pccalabs.com/subs/pes-standard-terms.pdf>

### 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

**Required Client Information:**  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Email: [lpjuno@ge.com](mailto:lpjuno@ge.com)  
 Requested Date: 1/21/23

**Required Project Information:**  
 Report To: Kristen Johns, Anthony Swast  
 Copy To: Laura Mchitt, Ben Hodges, Julia Smully  
 Project Name: BOW-COR-ASSMT-2023S1  
 Project #:

**Invoice Information:**  
 Attention: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Accounts Payable: [accounts.payable@ge.com](mailto:accounts.payable@ge.com)  
 PO Profile # 109445

Matrix:  
 Drinking Water  
 Wastewater  
 Other

COE:  
 DW  
 WW  
 Other

Preservatives:  
 Unpreserved  
 H2SO4  
 HNO3  
 HCl  
 NaOH  
 Na2S2O3  
 Methanol  
 Other

Analysis Test: Y/N  
 Metals  
 Cl, F, SO4  
 Alkalinity  
 TDS  
 RAD 9315/9320

ITEM #	MATRIX	COE	MATRIX CODE	SAMPLE TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Residual Chlorine (Y/N)
									Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol		
1	BOW-BGWA-2	WG	G	G	1/24/23	1527	5	2	3								
2	BOW-BGWA-29	WG	G	G	1/24/23	1226	5	2	3								
3	BOW-BGWA-33	WG	G	G	1/24/23	1359	5	2	3								
4	BOW-BGWA-47D	WG	G	G	1/24/23	1145	5	2	3								
5	BOW-BGWA-48D	WG	G	G													
6	BOW-BGWC-7	WG	G	G													
7	BOW-BGWC-9	WG	G	G													
8	BOW-BGWC-9	WG	G	G													
9	BOW-BGWC-10	WG	G	G													
10	BOW-BGWC-12	WG	G	G													
11	BOW-BGWC-14A	WG	G	G													
12	BOW-BGWC-16	WG	G	G													

Collected By / Application	Date	Time	Accepted By / Application	Date	Time	Temp in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
William Leaker Ryan William / Pac	1/21/23	1210	Ryan W. Linn Pac	1/21/23	1350				
			Chanda Ford Pac	1/22/23	1830				

Signature of Sampleler: William Leaker, Meredith Dunsen, Kevin Stephens  
 Date: 1/21/23

92699253  
 pH: 7.32 001  
 pH: 7.77 068  
 pH: 6.72 003  
 pH: 7.32 004

Page

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://info.pacectas.com/hubs/pac-standards-terms.pdf>.

**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: Georgia Power  
Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308

Contact: Kelly@pacectas.com  
Phone: (478) 217-0008 Fax: \_\_\_\_\_

Requested Date: Standard

Section B  
Required Project Information:

Report To: Kristen Jurino, Anthony Spaul  
Copy To: Laura Madril, Ben Hodges, Mike Smiley  
Purchase Order #: Noble Gang

Project Name: BOW-CGR-ASSMT-202381

Section C  
Invoice Information:

Altention: \_\_\_\_\_  
Company Name: Georgia Power  
Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
Pace Office: \_\_\_\_\_  
Pace Project Manager: keela.cole@pacectas.com  
Pace Profile #: 106445

Regulatory Agency: \_\_\_\_\_  
State: Georgia

Page: 1 of 5

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, /, -) Sample IDs must be unique	MATRIX Drinking Water Waste Water Process Sewage Oil Wipes Air Other Tissue	CODE DIY MVI P CL WP AG OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test					Residual Chlorine (Y/N)	pH												
										Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS			RAD 9316/9320											
1	BOW-BGWA-2			WG G	G																														
2	BOW-BGWA-29			WG G	G																														
3	BOW-BGWA-33			WG G	G																														
4	BOW-BGWA-47D			WG G	G																														
5	BOW-BGWA-48D			WG G	G																														
6	BOW-BGWC-7			WG G	G	1/26/23	1148		5	2	3																								
7	BOW-BGWC-8			WG G	G	1/26/23	1420		5	2	3																								
8	BOW-BGWC-9			WG G	G	1/26/23	1535		5	2	3																								
9	BOW-BGWC-10			WG G	G	1/26/23	1035		5	2	3																								
10	BOW-BGWC-12			WG G	G	1/26/23	1040		5	2	3																								
11	BOW-BGWC-14A			WG G	G	1/26/23	1152		5	2	3																								
12	BOW-BGWC-16			WG G	G	1/26/23	1152		5	2	3																								
		ADDITIONAL COMMENTS:																																	
						REMOVED BY / AFFILIATION						ACCEPTED BY / AFFILIATION																							
						William Locker						Ryan Williams																							
						Kegan Williams/PA						Kegan Williams/PA																							
						1/27/23 1210						1/27/23 1215																							
						1/27/23 1336						1/27/23 1330																							
		SAMPLE NAME AND SIGNATURE		DATE		TIME		DATE		TIME																									
TEMP in C																																			
Received on Ice (Y/N)																																			
Custody Sealed Cooler (Y/N)																																			
Samples Intact (Y/N)																																			

Pace

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.paceaba.com/terms-standard-terms.pdf>.

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: Georgia Power  
Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308  
Phone: (470)217-0008  
Email: [info@paceaba.com](mailto:info@paceaba.com)

Section B Required Project Information:

Report To: Kristine Jurko, Anthony Stewart  
Copy To: Laura Medoff, Ben Hodges, Mike Santley  
Purchase Order #: Noelle Gargi  
Project Name: BOW-CCR-ASSMT-2023S1  
Project #:   
Requested Date Date: Standard

Section C Invoice Information:

Attention:   
Company Name: Georgia Power  
Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308  
Pace Project Manager: nicola.delen@paceaba.com  
Pace Profile #: 10944\_5

Page: 2 of 5

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, /, -) Sample IDs must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Y/N	Residual Chlorine (Y/N)				
								H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals			Cl, F, SO4	Alkalinity	TDS	
13	BOW-BGWC-17	WG G	G	1/26/23	1314	5	2														
14	BOW-BGWC-18	WG G	G	1/26/23	1452	5	2														
15	BOW-BGWC-19	WG G	G																		
16	BOW-BGWC-20	WG G	G																		
17	BOW-BGWC-21	WG G	G																		
18	BOW-BGWC-22	WG G	G																		
19	BOW-BGWC-23	WG G	G																		
20	BOW-BGWC-24	WG G	G																		
21	BOW-BGWC-25	WG G	G																		
22	BOW-BGWC-30	WG G	G																		
23	BOW-BGVA-6	WG G	G																		
24	BOW-BGWC-31	WG G	G																		

RELINQUISHED BY/REGULATION	DATE	TIME	ACCEPTED BY/REGULATION	DATE	TIME	TEMP in C
William Loaker	1/21/23	1210	Zyon Williams	1/21/23	1210	
Zyon Williams / Pace	1/21/23	1330	Charles Foster	1/27/23	1330	

**SAMPLES NAME AND SIGNATURE**

PRINT Name of SAMPLER: William Loaker Kevin Stephenson Meredith Durkan  
 SIGNATURE of SAMPLER: [Signatures] DATE Signed: 1/26/23

**RECEIVED ON**

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

Residual Chlorine (Y/N)  
 pH: [ ]



Page

# CHAIN-OF-CUSTODY / Analytical Request Document

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Section A  
Required Client Information:  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE  
 Atlanta, GA 30308  
 Email: k.r.jurko@ge.com  
 Phone: (478)217-0008  
 Fax: (478)217-0008  
 Requested Due Date: Standard

Section B  
Required Project Information:  
 Report To: Kristen Jurko, Anthony Swann  
 Copy To: Larrin Murrell, Ben Hodgson, Mike Shanley  
 Project Name: BOW-COR-ASSM-T-202351  
 Project #: [Blank]

Section C  
Invoice Information:  
 Attention: [Blank]  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 POC Name: [Blank]  
 POC Project Manager: nicole.dlee@ge.com  
 POC Profile #: 10944.5

ITEM #	MATRIX	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-CRAB C-COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							ANALYSES TEST				RESIDUAL CHLORINE (Y/N)						
				UNPRESERVED	H2SO4					HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320							
13	BOW-BGWC-17	WG G	G																								
14	BOW-BGWC-18	WG G	G																								
15	BOW-BGWC-19	WG G	G																								
16	BOW-BGWC-20	WG G	G																								
17	BOW-BGWC-21	WG G	G																								
18	BOW-BGWC-22	WG G	G																								
19	BOW-BGWC-23	WG G	G																								
20	BOW-BGWC-24	WG G	G																								
21	BOW-BGWC-25	WG G	G																								
22	BOW-BGWC-30	WG G	G																								
23	BOW-BGWA-6	WG G	G																								
24	BOW-BGWC-31	WG G	G																								

ADDITIONAL COMMENTS

RELINQUISHED BY: WILSON, WILLIAM  
 DATE: 1/27/23  
 TIME: 1210

ACCEPTED BY: PACE, WILLIAM  
 DATE: 1/27/23  
 TIME: 1330

SALESMAN NAME AND SIGNATURE: William Lackner  
 SIGNATURE: [Signature]  
 COMPANY: Resolute Environmental  
 DATE SIGNED: 1/27/23

TEMP IN C: [Blank]

Received on Ice (Y/N): [Blank]  
 Custody Sealed Cooler (Y/N): [Blank]  
 Samples Intact (Y/N): [Blank]

*Pace*

# CHAIN-OF-CUSTODY / Analytical Request Document

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Submit a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.paceelabs.com/submit-pas-standard/terms.pdf>.

Page: **3** Of **5**

**Section A**  
**Required Client Information:**  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE  
 Atlanta, GA 30308  
 Email: klym@pacelabs.com  
 Phone: (478)217-0000  
 Requested Date: Standard

**Section B**  
**Required Project Information:**  
 Report To: Kristen Juriko, Anthony Swart  
 Copy To: Laura Minkin, Ben Hodges, Mike Snelley  
 Project Name: BOW-CCR-ASSM-T-202351  
 Project #: [ ]

**Section C**  
**Invoice Information:**  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308  
 Pace Quote: [ ]  
 Pace Project Manager: nicole.dole@pacelabs.com  
 Pace Profile #: 10844 S

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analyses Test	Residual Chlorine (Y/N)							
				DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3			Methanol	Other					
25	BOW-BGWC-32	WG G	G																			
26	BOW-BGWC-34D	WG G	G																			
27	BOW-BGWC-35D	WG G	G																			
28	BOW-BGWC-36D	WG G	G																			
29	BOW-BGWC-37D	WG G	G																			
30	BOW-BGWC-38D	WG G	G																			
31	BOW-BGWC-39	WG G	G																			
32	BOW-BGWC-40	WG G	G																			
33	BOW-BGWC-41D	WG G	G																			
34	BOW-BGWC-42D	WG G	G																			
35	BOW-BGWC-43D	WG G	G																			
36	BOW-BGWC-44D	WG G	G																			
ADDITIONAL COMMENTS													DATE		TIME		ACCEPTED BY LABORATION					
													11/21/23		1408		5 12 3					
Additional comments													DATE		TIME		ACCEPTED BY LABORATION					
William Locker													11/21/23		1210		Ryan Williams / Pace					
Ryan Williams / Pace													11/20/23		1358		Charles Porter / Pace					
Additional comments													DATE		TIME		ACCEPTED BY LABORATION					
													11/21/23		1210		Ryan Williams / Pace					
Additional comments													DATE		TIME		ACCEPTED BY LABORATION					
													11/21/23		1330		Charles Porter / Pace					
Additional comments													DATE		TIME		ACCEPTED BY LABORATION					
													11/21/23		1330		Charles Porter / Pace					

**TEMP in C**

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: *William Locker*

SIGNATURE OF SAMPLER: *[Signature]*

DATE SIGNED: *11/21/23*

RESOLVE ENVIRONMENTAL: *[Signature]*



*Pace*

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/submitter/pas-standard-terms.pdf>.

## CHAIN-OF-CUSTODY / Analytical Request Document

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

<b>Section A</b>	<b>Required Client Information:</b>	<b>Section B</b>	<b>Required Project Information:</b>	<b>Section C</b>	<b>Invoice Information:</b>
Company:	Georgia Power	Report To:	Kristen Jurino, Anthony Sawast	Attention:	
Address:	241 Ralph McGill Blvd NE	Copy To:	Laura Midgett, Ben Hodgen, Mike Smiley	Company Name:	Georgia Power
Atlanta GA 30308		Purchase Order #:	Noelia Garcia	Address:	241 Ralph McGill Blvd, NE, Atlanta, GA 30308
Email:	kyrin@pacelabs.com	Project Name:	BOW-COR-ASSMNT-202261	Pace Project Manager:	nicola.droese@pacelabs.com
Phone:	(478) 717-4008	Requested Due Date:	Standard	Pace Profile #:	10644.5
Requested Due Date:	Standard	Project #:		Requested Analytic Filtered (Y/N):	GA

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytes Test				Residual Chlorine (Y/N)	pH							
					DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity			TDS	RAD 9315/9320					
37	BOW-BGWC-49D		WVG G																									
38	BOW-BGWC-50D		WVG G																									
39	BOW-BGWC-51		WVG G																									
40	BOW-BGWC-52		WVG G																									
41	BOW-92.7		WVG G																									
42	BOW-AP1-FD-01		WVG G																									
43	BOW-AP1-FD-02		WVG G	1/26/23				5.2					3															
44	BOW-AP1-FD-03		WVG G																									
45	BOW-AP1-FD-04		WVG G																									
46	BOW-AP1-FD-05		WVG G																									
47	BOW-AP1-EB-01		WVG G																									
48	BOW-AP1-EB-02		WVG G																									
ADDITIONAL COMMENTS				RECEIVED BY / AFFILIATION				DATE		TIME		ACCEPTED BY / AFFILIATION				DATE		TIME		SAMPLE CONDITIONS								
				William Locker				1/27/23		1210		Ryan Williams/Pace				1/27/23		1210										
				Ryan Williams/Pace				1/21/23		1330		Charles Funkhouser/Pace				1/27/23		1330										

<b>SAMPLER NAME AND SIGNATURE</b>	
PRINT NAME OF SAMPLER:	William Locker
SIGNATURE OF SAMPLER:	<i>William Locker</i>
DATE SIGNED: 1/26/23	
PRINT NAME OF SAMPLER:	Kevin Stephenson
SIGNATURE OF SAMPLER:	<i>Kevin Stephenson</i>
DATE SIGNED: 1/26/23	
PRINT NAME OF SAMPLER:	
SIGNATURE OF SAMPLER:	
DATE SIGNED:	
TEMP in C	Received on Ice (Y/N)
	Custody Sealed Cooler (Y/N)
	Samples Intact (Y/N)





*Face*

# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 5 of 5

<b>Section A</b> Required Client Information: Company: Georgia Power Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308 Email: <a href="mailto:lnjurn@ge.com">lnjurn@ge.com</a> Phone: (478) 217-0008 Fax Requested Due Date: Standard		<b>Section B</b> Required Project Information: Report To: Kristen Jumbo, Anthony Smart Copy To: Laura Mackie, Bart Hodges, Mike Straley Noelia Garza Purchase Order #: BOW-CCH-ASSMT-202351 Project Name:		<b>Section C</b> Invoice Information: Attention: Company Name: Georgia Power Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308 Fax Code: Page Project Manager: nicole.d@ge.com Page Profile #: 10844-5	
--	--	---	--	--	--

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analysis Test	Residual Chlorine (Y/N)				
			DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			Metals	Cl, F, SO4	Alkalinity	TDS
49	BOW-AP1-EB-03	WO G																		
50	BOW-AP1-EB-04	WO G																		
51	BOW-AP1-FB-01	WO G																		
52	BOW-AP1-FB-02	WO G																		
53	BOW-AP1-FB-03	WO G	1/25/23	1548		5 2 3														
54	BOW-AP1-FB-04	WO G																		
55	BOW-AP1-FB-05	WO G																		
56	BOW-AP1-FB-06	WO G																		
57	BOW-AP1-FB-07	WO G																		
58																				
59																				
60																				

ADDITIONAL CONTAINERS	REMOVED BY / INITIATION	DATE	TIME	ACCEPTED BY / INITIATION	DATE	TIME	SAMPLER COMMENTS
	William Locker	1/21/23	1210	Lyon William - Perr	1/21/23	1210	
	Lyon William Perr	1/21/23	1330	Charles Perrille	1/21/23	1330	

SIGNATURE OF SAMPLER:  PRINT NAME OF SAMPLER: William Locker SIGNATURE OF ANALYST:  PRINT NAME OF ANALYST: Charles Perrille DATE SIGNED: 1/21/23	SIGNATURE OF PROJECT MANAGER:  PRINT NAME OF PROJECT MANAGER: Nicole D... DATE SIGNED: 1/21/23
--	---

# 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: Georgia Power  
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308  
 Email: kngjurne@gepower.com  
 Phone: (478)217-0008  
 Requested Due Date: Standard

**Section B**  
**Required Project Information:**  
 Report To: Kristen Jurne, Anthony Seneal  
 Copy To: Laura Moffitt, Ben Hodges, Mike Smiley  
 Project Name: Noelle Ganji  
 Purchase Order #: BOW-CCP-ASSMT-2023S1  
 Project #: BOW-CCP-ASSMT-2023S1

**Section C**  
**Invoice Information:**  
 Attention: Nicole Seneal  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308  
 POC Name: Nicole Seneal  
 POC Email: nicole.seneal@gepower.com  
 POC Phone: 108445

**Section D**  
**Required Analytical Methods (Y/N)**  
 Residual Chlorine (Y/N) 92699833  
 Metals  
 Cl, F, SO4  
 Alkalinity  
 TDS  
 RAD 9315/9320

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytes Test	Y/N									
					DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320			
49	BOW-AP1-FB-03	WD	G																							
50	BOW-AP1-FB-04	WD	G																							
51	BOW-AP1-FB-01	WD	G		1/24/23	1550		5	2																	
52	BOW-AP1-FB-02	WD	G																							
53	BOW-AP1-FB-03	WD	G																							
54	BOW-AP1-FB-04	WD	G																							
55	BOW-AP1-FB-05	WD	G																							
56	BOW-AP1-FB-06	WD	G																							
57	BOW-AP1-FB-07	WD	G																							
58																										
59																										
60																										

**SAMPLER NAME AND SIGNATURE**

RELINQUISHED BY / INITIALS: William Locker  
 DATE: 1/27/23  
 TIME: 1210

ACCEPTED BY / INITIALS: Bryan Williams  
 DATE: 1/27/23  
 TIME: 1330

RESIDUE ENVIRONMENTAL  
 DATE SIGNED: 1/24/23

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

**Pace**

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.paceelabs.com/hubspot-standards-terms.pdf>

**CHAIN-OF-CUSTODY / Analytical Request Document**

Page: 5 of 5

**Section A**

**Required Client Information:**  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE  
 Atlanta, GA 30308  
 Email: [kgjurdak@southemco.com](mailto:kgjurdak@southemco.com)  
 Phone: (470)217-0008 Fax  
 Requested Due Date: Standard

**Section B**

**Report Project Information:**  
 Report to: Kristian Jurado, Anthony Stewart  
 Copy To: Laura Mikellif, Ben Hodges, Mike Smiley  
 Noelia Gargal  
 Purchase Order #: BOW-COR-ASSMT-202351  
 Project Name: BOW-COR-ASSMT-202351  
 Project #:

**Section C**

**Invoice Information:**  
 Attention: Georgia Power  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308  
 Pace Quote:  
 Pace Project Manager: nicole.d'oleo@paceelabs.com  
 Pace Profile #: 10844-S

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Residual Chlorine (Y/N)				
							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol			Other	Metals	Cl, F, SO4	Alkalinity
A9	BOW-AP1-EB-03	WG G																	
B0	BOW-AP1-EB-04	WG G																	
B1	BOW-AP1-FB-01	WG G																	
B2	BOW-AP1-FB-02	WG G																	
B3	BOW-AP1-FB-03	WG G	1/26/23	1548		5	2				3								
B4	BOW-AP1-FB-04	WG G																	
B5	BOW-AP1-FB-05	WG G																	
B6	BOW-AP1-FB-06	WG G																	
B7	BOW-AP1-FB-07	WG G																	
B8																			
B9																			
B0																			

ADDITIONAL COMMENTS		DATE		TIME		DATE		TIME		SAMPLE CONDITIONS	
DEVELOPED BY / ASSESSMENT	DATE	TIME	ACCEPTED BY / ASSESSMENT	DATE	TIME	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	TEMP in C	Received on Ice (Y/N)
William Locker	1/27/23	1210	Ryan William Pace	1/27/23	1210						
Ryan William Pace	1/27/23	1330	Chandler Fowler	1/27/23	1330						

**SAMPLER NAME AND SIGNATURE**  
 PRINT NAME OF SAMPLER: William Locker  
 SIGNATURE OF SAMPLER: *William Locker*  
 DATE SIGNED: 1/26/23

**ANALYST NAME AND SIGNATURE**  
 PRINT NAME OF ANALYST: Kevin Stephenson  
 SIGNATURE OF ANALYST: *Kevin Stephenson*  
 DATE SIGNED: 1/26/23

**LABORATORY / AGENCY**  
 Pace / Location: GA



Page 1

### CHAIN-OF-CUSTODY / Analytical Request Document

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

**Section A**  
 Requested Client Information:  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE  
 Atlanta, GA 30308  
 Email: info@gepower.com  
 Phone: (478) 217-2008 Fax  
 Requested Due Date: Standard

**Section B**  
 Requested Project Information:  
 Report To: KYLE MATHIAS, Anthony Stewart  
 Copy To: Laura Mathias, Ben Hoogstra, Mike Smiley  
 Purchase Order #: MOBILE GROUP  
 Project Name: BOW-COR-ASSUMT-20281  
 Project #:

**Section C**  
 Invoice Information:  
 Attention:  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308  
 PO# Order: 108445  
 PO# Project Manager: mobile@gepower.com  
 PO# Profile #: 108445

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, /, -) Samples file must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (S-GRAB C-COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS		Preservatives	Metals	Cl F, SO4	Alkalinity	TDS	RAD 9315/9320	Residual Chlorine (Y/N)
							Unpreserved	H2SO4							
BOW-BGWA-2		WG G													
BOW-BGWA-29		WG G													
BOW-BGWA-33		WG G													
BOW-BGWA-47D		WG G													
BOW-BGWA-48D		WG G													
BOW-BGWC-7		WG G													
BOW-BGWC-8		WG G													
BOW-BGWC-8		WG G													
BOW-BGWC-10		WG G													
BOW-BGWC-12		WG G	1/27/23	1000	5	2	3								
BOW-BGWC-14A		WG G													
BOW-BGWC-16		WG G													

William Locker  
 Ryan William / Pat

1/31/23 1430  
 1/31/23 1442  
 Ryan Williams / Pat  
 Ryan Williams / Pat  
 1/31/23 1442

Page 1 of 5

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: Georgia Power  
Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
Phone: (478) 272-4028  
Email: kjarunr@ge.com

Section B Required Project Information:  
Report To: Kristen Larkin, Analytical Services  
Copy To: Laurie Madril, Ben Hodges, John Strahby  
Project Name: BOW-OC-RASSMT-202351  
Project #:

Section C Invoice Information:  
Company Name: Georgia Power  
Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308  
Personnel: meredith.duncan@ge.com  
Invoice #:

ITEM #	MATRIX	CODE	MATRIX CODE	SAMPLETYPE	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Metal	Cl, F, SO4	Alkalinity	TDR	RAD 6316/9320	Residual Chlorine (Y/N)	pH	TEMP in C	Received on ice (Y/N)	Closely Sealed Cooler (Y/N)	Samples Intact (Y/N)	
BOW-BGWC-17	Chilled Water	DW																				
BOW-BGWC-18	Water	WT																				
BOW-BGWC-19	Water	WW																				
BOW-BGWC-20	Water	WV				1/27/23	1020	52	3													
BOW-BGWC-21	Water	W				1/27/23	1318	52	3													
BOW-BGWC-22	Water	W																				
BOW-BGWC-23	Water	W																				
BOW-BGWC-24	Water	W																				
BOW-BGWC-25	Water	W				1/27/23	1330	52	3													
BOW-BGWC-30	Water	W																				
BOW-BGWA-6	Water	W																				
BOW-BGWC-31	Water	W				1/27/23	1120	52	3													

Signature of Collector: William Laaker  
Signature of Supplier: Meredith Duncan  
Date Signed: 1/27/23

Received on ice (Y/N):  
Closely Sealed Cooler (Y/N):  
Samples Intact (Y/N):



Face

# CHAIN-OF-CUSTODY / Analytical Request Document

Section A  
Required Client Information:

Company: Georgia Power  
 Address: 241 Rain Road Blvd NE  
 Atlanta, GA 30308  
 Phone: (478)217-0008  
 Requested Date: Standard

Section B  
Residual Project Information:

Report To: Kathleen Jurkovic, Anthony Stewart  
 Copy To: Laura Madrid, Ben Hodges, Mike Smiley  
 Project Name: BOW-COR-4659MT-20231  
 Project #:

Section C  
Envelope Information:

Company Name: Georgia Power  
 Address: 241 Rain Road Blvd NE, Atlanta, GA 30308  
 Piece Count:  
 Piece Project Manager: Nicole Grabo@gepcorp.com  
 Piece Profile #: 109445

ITEM #

**SAMPLE ID**  
 One Character per box.  
 (A-Z, 0-9, -)  
 Sample IDs must be unique

MATRIX  
 Ditching Water  
 Valve  
 Valve Yarn  
 Product  
 Residual  
 Oil  
 Air  
 Other  
 Three

MATRIX CODE (see valid codes to left)

SAMPLE TYPE (G=GRAB C=COMP)

COLLECTED  
DATE TIME

SAMPLE TEMP AT COLLECTION  
# OF CONTAINERS

Preservatives

Metals  
Cl, F, SO4  
Alkalinity  
TDS  
RAD 9315/9320

GA

Residual Chlorine (Y/N)

OLG

ITEM #	MATRIX CODE	SAMPLE TYPE	COLLECTED DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Metals
BOW-AP1-FB-03	WQ G	G						X
BOW-AP1-FB-04	WQ G	G						X
BOW-AP1-FB-01	WQ G	G						X
BOW-AP1-FB-02	WQ G	G						X
BOW-AP1-FB-03	WQ G	G						X
BOW-AP1-FB-04	WQ G	G	1/27/23	1110	52	3		X
BOW-AP1-FB-05	WQ G	G						X
BOW-AP1-FB-06	WQ G	G						X
BOW-AP1-FB-07	WQ G	G						X

William Locker  
 Ryan William Paer  
 1/31/23 1430  
 1/31/23 1648  
 Ryan William Paer  
 1/31/23 1648

PRINT Name of SAMP LER: William Locker, Meredith Duncan  
 SIGNATURE of SAMP LER: [Signature]  
 DATE signed: 1/27/23

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

Page: 5 of 5

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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.

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: Georgia Power		Report To: Kristen Jurjko, Anthony Sznajd		Account: Georgia Power	
Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308		Copy To: Laura Mitchell, Dan Hodges, Mike Smalley Merits Group		Company Name: Georgia Power	
Email: <a href="mailto:kjurjko@georgia.com">kjurjko@georgia.com</a>		Purchase Order #: BOW-CGR-ASSMT-202551		Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308	
Phone: (478)277-0008		Project Name: Bowen		Person Project Manager: meredith.duncan@ge.com	
Requested Due Date: Standard		Project #: Bowen		Person Project Manager: meredith.duncan@ge.com	
		Project #:		Person Project Manager: meredith.duncan@ge.com	

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / - / +) Sample IDs must be unique	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES									PARAMETERS					Residual Chlorine (Y/N)	pH:							
		DATE	TIME	MATRIX CODE (see valid codes to left)			UNPRESERVED	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS	RAO 9315/9320										
BOW-BGWC-17		WG G																											
BOW-BGWC-18		WG G																											
BOW-BGWC-19		WG G																											
BOW-BGWC-20		WG G		1/30/23	1101	5.2	3																						
BOW-BGWC-21		WG G																											
BOW-BGWC-22		WG G																											
BOW-BGWC-23		WG G																											
BOW-BGWC-24		WG G																											
BOW-BGWC-25		WG G																											
BOW-BGWC-30		WG G																											
BOW-BGWA-6		WG G																											
BOW-BGWC-31		WG G																											

<b>Bowen AP-1</b>		<b>William Leaker</b>		<b>1/31/23 1430</b>		<b>1/31/23 1435</b>	
Ryan Williams / Pse		Ryan Williams / Pse		1/1/23 1642		1/3/23 1642	
		Meredith Duncan, Will Leaker		DATE SIGNED: 1/30/23			
TEMP in C		Received on ice (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (Y/N)	

**CHAIN-OF-CUSTODY / Analytical Request Document**

Section A

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Fees Terms and Conditions found at <https://info.pceidslabs.com/hub/fee-standard-terms.pdf>.

Requested Client Information:

Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30303  
 Email: kjsutcliffe@geopower.com  
 Phone: (478)217-2008 Fax:  
 Requested Date: Standard  
 Project Name: BOW-QGR-ASBMT-202351  
 Project #:  
 Preservation Information:  
 Attention: Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30303  
 Project Manager: ritzke.eric@pceidslabs.com  
 Fee Profile #: 10344-5

Section B

Required Project Information:

Report To: Kristen Jenkins, Anthony Szewal  
 Copy To: Laura McGuff, Bert Hodges, Mike Stanley  
 Project: Noble Guard  
 Purchase Order #:  
 Matrix Code: BOW-QGR-ASBMT-202351

Section C

Preservative List:  
 Unpreserved  
 H2SO4  
 HNO3  
 HCl  
 NaOH  
 Na2S2O3  
 Methanol  
 Other  
 Metals  
 Cl, F, SO4  
 Alkalinity  
 TDS  
 RAD 9315/9320

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9) Sample IDs must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATION							RESIDUAL CHLORINE (Y/N)									
				DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol		Other	Metals	Cl, F, SO4	Alkalinity	TDS				
BOW-BGWC-32		WG G																						
BOW-BGWC-34D		WG G	G	1/30/23	1335	52	3									X	X	X	X	X		7.15	086	
BOW-BGWC-36D		WG G	G	1/30/23	1635	52	3									X	X	X	X	X		6.75	025	
BOW-BGWC-37D		WG G	G	1/30/23	1235	52	3									X	X	X	X	X		7.21	050	
BOW-BGWC-38D		WG G	G													X	X	X	X	X				
BOW-BGWC-39		WG G	G													X	X	X	X	X				
BOW-BGWC-40		WG G	G													X	X	X	X	X				
BOW-BGWC-41D		WG G	G													X	X	X	X	X				
BOW-BGWC-42D		WG G	G	1/30/23	1435	52	3									X	X	X	X	X				
BOW-BGWC-43D		WG G	G													X	X	X	X	X				
BOW-BGWC-44D		WG G	G													X	X	X	X	X				

CUSTODY SIGNATURE	DATE	TIME	INITIALS	TEMP IN C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	Residual Chlorine (Y/N)
William Lacker	1/31/23	1430	P					
Ryan William/Rau	1/31/23	1442	R					
Meredith Durcan, Will Lacker	1/31/23	1458	M					
Ryan William/Rau	1/31/23	1642	R					

Page: 5 of 5

Page

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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.

<b>Requested Client Information:</b>		<b>Requested Project Information:</b>	
Company: Georgia Power	Address: 241 Rapid McClall Blvd NE Atlanta, GA 30303	Report To: Kristen Ludtka, Anthony Smeal	Copy To: Laura Lambert, Ben Hodges, Mike Smiley
Phone: (478)217-6008	Fax:	Purchase Order #:	Project Name: BOW-COR-ASSMNT-2025S1
Requested Date: Standard		Project #:	
<b>Intoxia Information:</b>		<b>Intoxia Information:</b>	
Company Name: Georgia Power	Address: 241 Rapid McClall Blvd NE Atlanta, GA 30303	Company Name: Georgia Power	Address: 241 Rapid McClall Blvd NE Atlanta, GA 30303
Phone: (478)217-6008	Fax:	Project Name: BOW-COR-ASSMNT-2025S1	Project #:

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES								METALS				Residual Chlorine (Y/N)						
			DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS		RAD 9315/9320					
BOW-SGWC-69D	WG G	G																							
BOW-SGWC-59D	WG G	G																							
BOW-SGWC-51	WG G	G																							
BOW-SGWC-62	WG G	G																							
BOW-P2-7	WG G	G																							
BOW-AP1-FD-01	WG G	G																							
BOW-AP1-FD-02	WG G	G																							
BOW-AP1-FD-03	WG G	G	1/30/23		52	3																			
BOW-AP1-FD-04	WG G	G																							
BOW-AP1-FD-05	WG G	G																							
BOW-AP1-EB-01	WG G	G																							
BOW-AP1-EB-02	WG G	G																							

Bowen AP-1		Date Collected		Date Shipped		Date Received	
William Locker	1/11/23	1/30	1/26	1/11/23	1/30	1/11/23	1/30
William Locker	1/11/23	1/30	1/26	1/11/23	1/30	1/11/23	1/30

PRINT Name of SAMPLER		Meredith Duncan, Will Locker	
SIGNATURE of SAMPLER		[Signature]	
DATE Shipped		1/30/23	
TEMP in C			
Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	

**Pace**

**CHAIN-OF-CUSTODY / Analytical Request Document**

Section A Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hub/spas-standards-terms.pdf>

Section B  
 Requested Client Information:  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Phone: (470)217-2008 Fax: [blank]  
 Email: [kjquinn@southernco.com](mailto:kjquinn@southernco.com)  
 Requested Date: Standard  
 Project Name: BOW-CCR-ASSMNT-2023S1  
 Project #: [blank]

Section C  
 Requested Project Information:  
 Report To: Kristin Adkins, Anthony Street  
 Copy To: Laura Mearns, Ben Hodgson, Mike Smiley  
 Project Name: Nucleo Gorgi  
 Purchase Order #: [blank]  
 Project Name: BOW-CCR-ASSMNT-2023S1  
 Project #: [blank]

Involve Information:  
 Analyst: [blank]  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Phone: [blank]  
 Project Manager: [nucleo.ccr@pace-labs.com](mailto:nucleo.ccr@pace-labs.com)  
 Pace Profile #: 10844-5

ITEM #	MATRIX	CODE	MATRIX CODE (For valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320	Residual Chlorine (Y/N)
									Unpreserved	H2BO4	HNOS	HCl	NaOH	Na2S2O3	Methanol						
BOW-AP1-EB-03	Water	WQ	G																		
BOW-AP1-EB-04	Water	WQ	G																		
BOW-AP1-EB-01	Water	WQ	G																		
BOW-AP1-EB-02	Water	WQ	G																		
BOW-AP1-EB-03	Water	WQ	G																		
BOW-AP1-EB-04	Water	WQ	G																		
BOW-AP1-EB-05	Water	WQ	G		1/30/23	1545	52	3													
BOW-AP1-EB-06	Water	WQ	G																		
BOW-AP1-EB-07	Water	WQ	G																		

**Bowen AP-1**

William Locker  
 Ryan William Pace  
 1/31/23 1430  
 1/31/23 1642

Don Williams  
 1/31/23 1436  
 1/31/23 1642

PRIME Name of Sample Lab: Meredith Duncan, Will Locker  
 SIGNATURE of LABORER: [Signature]  
 DATE Signed: 1/30/23

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



Submitting a sample via this chain of custody constitutes acknowledgement and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pages-standard-terms.pdf>.

### CHAIN-OF-CUSTODY / Analytical Request Document

**Section A**  
 Required Client Information:  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE  
 Atlanta GA 30308  
 Email: [ngjrh@pacelabs.com](mailto:ngjrh@pacelabs.com)  
 Phone: (478)217-0008 Fax:  
 Requested Due Date: STANDARD  
 Project #:

**Section B**  
 Required Project Information:  
 Report To: Kristen Jurino, Anthony Szewal  
 Copy To: Laura Medlin, Ben Hodges, Mike Smiley  
 Purchase Order #: Noelia Gangi  
 Project Name: Bowen Ap-1  
 Project #:

**Section C**  
 Invoice Information:  
 Attention:  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308  
 Peco Quick:  
 Peco Project Manager: [borrie.vary@pacelabs.com](mailto:borrie.vary@pacelabs.com)  
 Peco Profile #: 10844-5

Page: 3 of 5

Regulatory Agency: State/Location: GA

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analytes Test	Y/N	Residual Chlorine (Y/N)			
							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3				Methanol	Other	Metals
25	BOW-BGWC-32	WG G	1/31/23	1222	5	2	3											
26	BOW-BGWC-34D	WG G																
27	BOW-BGWC-35D	WG G																
28	BOW-BGWC-38D	WG G																
29	BOW-BGWC-37D	WG G																
30	BOW-BGWC-38D	WG G																
31	BOW-BGWC-39	WG G																
32	BOW-BGWC-40	WG G	1/31/23	1040	5	2	3											
33	BOW-BGWC-41D	WG G																
34	BOW-BGWC-42D	WG G																
35	BOW-BGWC-43D	WG G																
36	BOW-BGWC-44D	WG G																

LAB CODE: BOW-CGR-44SMT-2023B1	ANALYST/ANALYST COMPANY	DELIVERED BY/APPLICATION		ACCEPTED BY/APPLICATION		DATE	TIME	LABORATORY CONDITIONS									
		NAME	DATE	NAME	DATE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)						
		Kevin Stephenson	2/2/23	Ryan Williams	2/2/23	0840											
		Ryan Williams	2/2/23	Ryan Williams	2/2/23	0840											

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: Kevin Stephenson, William Leaker, Meredith Duncan  
 SIGNATURE of SAMPLER: *[Signature]*  
 DATE Signed: 1/31/23

**TEMP in C**

**Received on Ice (Y/N)**

**Custody Sealed Cooler (Y/N)**

**Samples Intact (Y/N)**



Section A  
Required Client Information:

Company: Georgia Power  
Address: 241 Ralph McGill Blvd NE  
Atlanta, GA 30308  
Email: [loris@scatech.com](mailto:loris@scatech.com)  
Phone: (478)217-0008  
Requester Due Date: Standard

Report To: Kristen Jurniga, Anthony Sweist  
Copy To: Laura Medlin, Ben Hodges, Mike Smiley  
Project Name: Bowen AP-1

Company Name: Georgia Power  
Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308  
Facility: Bowen AP-1  
Pace Profile #: 10844-S

Section B  
Required Project Information:

Section C  
Invoice Information:

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section C

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

**SAMPLE ID**  
One Character per box.  
(A-Z, 0-9, /, -)  
Sample IDs must be unique

MATRIX CODE (see valid codes to left)

SAMPLE TYPE (G=GRAB C=COMP)

COLLECTED DATE TIME

SAMPLE TEMP AT COLLECTION

# OF CONTAINERS

Preservatives  
Unpreserved  
H2SO4  
HNO3  
HCl  
NaOH  
Na2S2O3  
Methanol  
Other

Analysis Test

Metals  
Cl, F, SO4  
Alkalinity  
TDS  
RAD 9315/9320

Residual Chlorine (Y/N)

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

ITEM #	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320	Residual Chlorine (Y/N)	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)					
			DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol											Other				
37	BOW-BGWC-4BD	WG G																										
38	BOW-BGWC-50D	WG G																										
39	BOW-BGWC-S1	WG G	1/31/23	1300	5 2	3																						
40	BOW-BGWC-52	WG G	1/31/23	1500	5 2	3																						
41	BOW-PZ-7	WG G																										
42	BOW-AP1-FD-01	WG G																										
43	BOW-AP1-FD-02	WG G																										
44	BOW-AP1-FD-03	WG G																										
45	BOW-AP1-FD-04	WG G																										
46	BOW-AP1-FD-05	WG G																										
47	BOW-AP1-EB-01	WG G																										
48	BOW-AP1-EB-02	WG G	1/31/23	1355	5 2	3																						

Tank Code: BOW/COR-445N17-202191

ADDITIONAL COMMENTS

DATE SIGNED: 1/31/23

Signature: *[Signature]*

Print Name of Sampler: Kevin Stephenson, William Lueker, Meredith Duncan

Residue Environmental

TEMP in C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)





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## CHAIN-OF-CUSTODY / Analytical Request Document

Page : 6 OF 5

**Section A**  
Required Client Information:

Company: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308  
 Email: [kyrin@pacelabs.com](mailto:kyrin@pacelabs.com)  
 Phone: (470)217-6008 Fax  
 Requested Date: Standard

**Section B**  
Required Project Information:

Report To: Kristen Jurlick, Anthony Szwed  
 Copy To: Laura Middle, Bart Hodges, Mike Smiley  
 Purchase Order #: Noelle Gargi  
 Project Name: Bowen AP-1  
 Project #:

**Section C**  
Invoicing Information:

Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308  
 Pace Quote:  
 Pace Project Manager: bonnie.yang@pacelabs.com  
 Pace Profile #: 10944.5

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES								ANALYSES TEST					Residual Chlorine (Y/N)				
					DATE	TIME		# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS		RAD 9315/9320			
49	BOW-AP-1-FB-03	WQ G	WQ G																						
50	BOW-AP-1-FB-04	WQ G	WQ G																						
51	BOW-AP-1-FB-01	WQ G	WQ G																						
52	BOW-AP-1-FB-02	WQ G	WQ G																						
53	BOW-AP-1-FB-03	WQ G	WQ G																						
54	BOW-AP-1-FB-04	WQ G	WQ G																						
55	BOW-AP-1-FB-05	WQ G	WQ G																						
56	BOW-AP-1-FB-06	WQ G	WQ G	1/31/23	1340	5.2	3																		
57	BOW-AP-1-FB-07	WQ G	WQ G																						
58																									
59																									
60																									

ADDITIONAL COMMENTS		RELINQUISHMENT / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
		Kevin Stephenson / Pace		2/23/23		1515		Kevin Stephenson / Pace		2/23/23		0840			
		Kevin Williamson / Pace		2/23/23		1315		Kevin Williamson / Pace		2/23/23		1315			

TAKE CODE: BOW-COR-ASSMT-202191

PRINT NAME OF SAMPLER: Kevin Stephenson, William Laska, Mercedes Durcan

SIGNATURE OF SAMPLER: *[Signature]* Resolute Environmental DATE Signed: 1/31/23

TEMP in C: \_\_\_\_\_

Received on ice (Y/N): \_\_\_\_\_

Custody Sealed Cooler (Y/N): \_\_\_\_\_

Samples Intact (Y/N): \_\_\_\_\_





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Page: 2 of 5

CHAIN-OF-CUSTODY / Analytical Request Document

**Section A** Required Client Information: **Section B** Required Project Information: **Section C** Involvement Information:

Company: Georgia Power	Report To: Kristen Jauriga, Anthony Smart	Company Name: Georgia Power
Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308	Copy To: Laura McKitt, Ben Hoogew, Mike Smalley	Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308
Email: <a href="mailto:kjauriga@gepower.com">kjauriga@gepower.com</a>	Purchase Order #: Noelle Gang	Pace Quote: <a href="mailto:horrie.yang@pacelabs.com">horrie.yang@pacelabs.com</a>
Phone: (470)217-4008 Fax:	Project Name: Bowen AP-1	Pace Profile #: 10844.5
Requested Due Date: Standard	Project #: <b>GA</b>	Requested Analysis Method (N/A)

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Y/N	Residual Chlorine (Y/N)	pH:			
					DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3					Methanol	Other	Metals
13	BOW-BGWC-17	WG G																			
14	BOW-BGWC-18	WG G																			
15	BOW-BGWC-19	WG G																			
16	BOW-BGWC-20	WG G																			
17	BOW-BGWC-21	WG G																			
18	BOW-BGWC-22	WG G																			
19	BOW-BGWC-23	WG G																			
20	BOW-BGWC-24	WG G	21/123	1443																	pH: 6.68 D40
21	BOW-BGWC-25	WG G																			
22	BOW-BGWC-30	WG G	21/123	1530			52	3													pH: 7.15 D41
23	BOW-BQWA-6	WG G																			
24	BOW-BGWC-31	WG G																			

REQUISITIONED BY / AFFILIATION	DATE	TIME	ADDITIONED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<i>Kevin Stephenon</i>	2/8/23	1315	<i>Kevin William / Pace</i>	2/2/23	0840	Received on ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)

Signature of Samples: *Kevin Stephenon*, *William Lafer*, *Meredith Duncan*, *Resoula Environmental*

Date Signoff: 2/1/23

TEMP in C

**Page**

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### CHAIN-OF-CUSTODY / Analytical Request Document

Required Client Information:				Required Project Information:				Invoice Information:			
Company:	Georgia Power	Report To:	Kristen Jurjick, Anthony Street	Attention:							
Address:	241 Ralph McGill Blvd NE	Copy To:	Laura Madoff, Sean Hodges, Mike Smiley	Company Name:	Georgia Power						
Atlanta, GA 30308		Purchase Order #:	Noelia Garza	Address:	241 Ralph McGill Blvd NE, Atlanta, GA 30308						
Email:	kevin@pscasc.com	Project Name:	Bowen AP-1	Price Quote:							
Phone:	(478)217-0008	Project #:									
Requested Due Date:	Standard	Requested Due Date:	Standard	Price Profile #:	10844-S						

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 /, -) Sample IDs must be unique	MATRIX Drinking Water Wastewater Process Water Sediment Oil Wet Air Other Tissue	CORE DN WT WVP p SL CX WSP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAS C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Analyses Test	Residual Chlorine (Y/N)	pH:																
						DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other				Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320											
25	BOW-BGWC-32			WG	G																															
26	BOW-BGWC-34D			WG	G																															
27	BOW-BGWC-35D			WG	G																															
28	BOW-BGWC-38D			WG	G		2/11/23	1350	5	2	3																									
29	BOW-BGWC-37D			WG	G																															
30	BOW-BGWC-38D			WG	G																															
31	BOW-BGWC-38			WG	G																															
32	BOW-BGWC-40			WG	G																															
33	BOW-BGWC-41D			WG	G		2/11/23	1013	5	2	3																									
34	BOW-BGWC-42D			WG	G																															
35	BOW-BGWC-43D			WG	G																															
36	BOW-BGWC-44D			WG	G																															

ADDITIONAL COMMENTS				REINDEXED BY / APPELLATION				ACCEPTED BY / APPELLATION				SAMPLE CONDITIONS																							
Task Code:	BOW-CGR-4ASMT-301281	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23	Signature:	Kevin Stephenson 2/12/23
Printer Name of Sampler:	Kevin Stephenson, William Leaker, Meredith Durcan	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson	Signature of Sampler:	Kevin Stephenson
TEMP in C		Received on Ice (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (Y/N)																													



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/pace-standard-terms.pdf>.

### CHAIN-OF-CUSTODY / Analytical Request Document

**Section A** Required Client Information: Company: Georgia Power, Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308, Email: [bjurjick@sealab.com](mailto:bjurjick@sealab.com), Phone: (470)217-0006, Requested Due Date: Standard

**Section B** Required Project Information: Report To: Kristen Jurjick, Anthony Swait, Copy To: Laura Meditt, Ben Hodges, Mike Smiley, Purchase Order #: Noelia Garbi, Project Name: Bowen AP-1, Project #:

**Section C** Invoicing Information: Attention: Pace Project Manager: [bonnie.yang@pace-labs.com](mailto:bonnie.yang@pace-labs.com), Pace Profile #: 108445

**Section D** Regulatory Agency: **GA**

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, -, /) Sample box must be unique	MATRIX Drinking Water Wastewater Wastewater Industrial Other	CODE DW WT WW P SI OI WP AR OT TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							Analyses Test	Residual Chlorine (Y/N)
						DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol		
37	BOW-BGWC-49D			WG	G	2/1/23	1155	52	3									
38	BOW-BGWC-50D			WG	G													
39	BOW-BGWC-51			WG	G													
40	BOW-BGWC-52			WG	G													
41	BOW-EPZ-7			WG	G													
42	BOW-AP1-FD-01			WG	G													
43	BOW-AP1-FD-02			WG	G													
44	BOW-AP1-FD-03			WG	G													
45	BOW-AP1-FD-04			WG	G	2/1/23		52	3									
46	BOW-AP1-FD-05			WG	G													
47	BOW-AP1-EB-01			WG	G													
48	BOW-AP1-EB-02			WG	G	2/1/23	1615	52	3									

**ADDITIONAL COMMENTS:** Task Code: BOW-COR-ASMT-2023R1

**SAMPLER NAME AND SIGNATURE:** PRINT Name of SAMPLER: Kevin Stephenson, William Leaker, Meredith Duncan. SIGNATURE OF SAMPLER: *[Signatures]* DATE SIGNED: 2/1/23

**RESUBMITTED BY / RECALIBRATION:** DATE: 2/1/23 TIME: 1615

**ACCEPTED BY / VERIFICATION:** DATE: 2/2/23 TIME: 0840

**SAMPLE SOURCES:** pH: 7.17, 6.44, 6.45, 6.46

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

**Pace**

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://info.pacelabs.com/submit/pace-standard-terms.pdf>.

**CHAIN-OF-CUSTODY / Analytical Request Document**

**Section A**

Required Client Information:

Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE  
 Atlanta, GA 30308  
 Email: [kyrunik@pacelabs.com](mailto:kyrunik@pacelabs.com)  
 Phone: (470)217-0008  
 Requested Due Date: Standard

**Section B**

Report To: Kristen Jurkic, Anthony Szewal  
 Copy To: Laura Minkit, Ben Hodges, Mike Smiley  
 Project Name: Bowen AP-1  
 Project #:

**Section C**

Attention:   
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308  
 Pace Project Manager: [boonie.vang@pacelabs.com](mailto:boonie.vang@pacelabs.com)  
 Pace Profile #: 10944-S

Purchase Order #:   
 Requested Analyte Profile #:

Requested Analyte Profile #:

Requested Analyte Profile #:

Regulatory Agency:   
 State/Location: GA

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS								Analytes Test	Residual Chlorine (Y/N)					
					DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320
49	BOW-AP1-EB-03	WQ	G																			
50	BOW-AP1-EB-04	WQ	G																			
51	BOW-AP1-FB-01	WQ	G																			
52	BOW-AP1-FB-02	WQ	G																			
53	BOW-AP1-FB-03	WQ	G																			
54	BOW-AP1-FB-04	WQ	G																			
55	BOW-AP1-FB-05	WQ	G																			
56	BOW-AP1-FB-06	WQ	G																			
57	BOW-AP1-FB-07	WQ	G	21/123	1605	52	3															

ADDITIONAL COMMENTS:   
 HELD/DENIED BY/AFFILIATION:   
 DATE: 2/2/23 1315   
 TIME: 0840

SAMPLER NAME AND SIGNATURE:   
 PRINT Name of SAMPLER: Kevin Stephenson, William Lasker, Meredith Durcan   
 SIGNATURE OF SAMPLER:   
 DATE Signed: 2/1/23

*Face*

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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**

Required Client Information:		Required Project Information:		Invoice Information:	
Company:	Georgia Power	Report To:	Kristen Jurino, Anthony Swart	Attention:	Company Name: Georgia Power
Address:	241 Ralph McGill Blvd, NE	Copy To:	Laura Michler, Ben Hodges, Mike Saultley	Address:	241 Ralph McGill Blvd, NE, Atlanta, GA 30308
Atlanta, GA 30308		Purchase Order #:	Notula Gangi	Address:	241 Ralph McGill Blvd, NE, Atlanta, GA 30308
Email:	ku@rnlk@southernco.com			Pace Dupa:	www.verifiedpecelits.com
Phone:	(478) 217-6008	Project Name:	Edween AP-1	Face Project Manager:	Sannie Vargo, Pecelits.com
Requested Date:	Standard	Project #:		Face Profile #:	10844-5
					Requested Analytical Frequency: (Y/N)
					GA

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyzes Test	Residual Chlorine (Y/N)	pH		
					DATE	TIME							Unpreserved	H2SO4
1	BOW-BGWA-2	WG G												
2	BOW-BGWA-29	WG G												
3	BOW-BGWA-33	WG G			2/2/23	0955	5.2	3						
4	BOW-BGWA-47D	WG G												
5	BOW-BGWA-48D	WG G												
6	BOW-BGWC-7	WG G												
7	BOW-BGWC-3	WG G												
8	BOW-BGWC-9	WG G												
9	BOW-BGWC-10	WG G												
10	BOW-BGWC-12	WG G												
11	BOW-BGWC-14A	WG G												
12	BOW-BGWC-16	WG G												

THIS CODE: BOW-CCR-ASSET-30281	ADDITIONAL COMMENTS:	RELEASED BY / AFFILIATION:	DATE:	TIME:	ACCEPTED BY / AFFILIATION:	DATE:	TIME:	TEMP in C:	Received on ice (Y/N):	Custody Sealed Cooler (Y/N):	Samples Intact (Y/N):
		Kevin Williamson / Pace	2/7/23	11:50	Kevin Williamson / Pace	2/7/23	11:50				
		Kevin Williamson / Pace	2/7/23	15:25	Kevin Williamson / Pace	2/7/23	15:25				

SAMPLER NAME AND SIGNATURE:  
 PRINT Name of SAMPLER: Kevin Stephenson, William Laaker, Meredith Durcan  
 SIGNATURE OF SAMPLER: [Signatures]  
 DATE signed: 2/2/23

Page

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**CHAIN-OF-CUSTODY / Analytical Request Document**

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Page : 2 Of 5

Section A

Requested Client Information:

Company: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE  
 Atlanta, GA 30308  
 Email: [kjurunk@sothernco.com](mailto:kjurunk@sothernco.com)  
 Phone: (478)217-0008 Fax:  
 Requested Due Date: Standard

Section B

Requested Project Information:

Report To: Kristen Jurunko, Anthony Stewart  
 Copy To: Laura Midoff, Ben Hodges, Mike Smiley  
 Nostella Grigg  
 Purchase Order #: Bowen-APS-1  
 Project Name: Bowen  
 Project #:

Section C

Invoice Information:

Attention: Georgia Power  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308  
 Pace Quote:  
 Pace Project Manager: [Dotrina.Virgo@pcealabs.com](mailto:Dotrina.Virgo@pcealabs.com)  
 Pace Profile #: 10944-5

Regulatory Agency: State / Location GA

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS								Analyses Test	Residual Chlorine (Y/N)						
								Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other			Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320	
13	BOW-BGWC-17	DW	WG	G																			
14	BOW-BGWC-18	WT	WG	G																			
15	BOW-BGWC-19	WW	WG	G																			
16	BOW-BGWC-20	P	WG	G																			
17	BOW-BGWC-21	SI	WG	G																			
18	BOW-BGWC-22	SC	WG	G																			
19	BOW-BGWC-23	OC	WG	G	2/2/23	1040	5.2	3															6.80 0.99
20	BOW-BGWC-24	NS	WG	G																			
21	BOW-BGWC-25	SI	WG	G																			
22	BOW-BGWC-30	SI	WG	G																			
23	BOW-BGWA-6	SI	WG	G																			
24	BOW-BGWC-31	SI	WG	G																			

ADDITIONAL COMMENTS: *Keaton Williams / Pace*  
 RECEIVED BY / AFFILIATION: *Keaton Williams / Pace*  
 DATE: 2/1/23  
 TIME: 11:50  
 ACCEPTED BY / AFFILIATION: *Kevin Stephenson, William Leaker, Meredith Duncan*  
 DATE SIGNED: 2/2/23

SAMPLER NAME AND SIGNATURE: *Kevin Stephenson, William Leaker, Meredith Duncan*  
 PRINT Name of SAMPLER:  
 SIGNATURE of SAMPLER: *Kevin Stephenson, William Leaker, Meredith Duncan*  
 Signature Environmental: *Resolute Environmental*  
 DATE SIGNED: 2/2/23

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



**Pace**

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**CHAIN-OF-CUSTODY / Analytical Request Document**

**Section A**

Requested Client Information:  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE  
 Atlanta GA 30328  
 Email: [kyrinh@scouthemco.com](mailto:kyrinh@scouthemco.com)  
 Phone: (478) 371-4008 Fax  
 Requested Date Date: Standard

**Section B**

Requested Project Information:  
 Report To: Kristen Jurino, Anthony Skwart  
 Copy To: Laura Midkiff, Ben Hoogstra, Mike Smiley  
 Project Name: Bowen AP-1  
 Project #:

**Section C**

Invoice Information:  
 Attention: Georgia Power  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30328  
 Pace Order:  
 Pace Project Manager: bonnie.yang@paceclaba.com  
 Pace Profile #: 10844-5

Requested Analytical Method (Y/N):  
 Residual Chlorine (Y/N):  
 GA

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Y/N	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320	Residual Chlorine (Y/N)	pH:
									Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol									
26	BOW-BGWC-32	WG	G																					
27	BOW-BGWC-35D	WG	G																					
28	BOW-BGWC-36D	WG	G																					
29	BOW-BGWC-37D	WG	G																					
30	BOW-BGWC-38D	WG	G																					
31	BOW-BGWC-39	WG	G	2/2/23	1142	5	2	3																
32	BOW-BGWC-40	WG	G																					
33	BOW-BGWC-41D	WG	G																					
34	BOW-BGWC-42D	WG	G																					
35	BOW-BGWC-43D	WG	G																					
36	BOW-BGWC-44D	WG	G																					

**ADDITIONAL COMMENTS**

NEEDS REQUESTED BY AFFILIATION

DATE: 2/7/23 TIME: 1150

ACCEPTED BY/AFFILIATION: Kevin Williams / Pace

DATE: 2/7/23 TIME: 1525

DATE SIGNED: 2/2/23

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Kevin Stephenson, William Leaker, Meredith Duncan

SIGNATURE OF SAMPLER: *[Signature]*

Respective Environmental

TEMP in C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

*Page*

Section A Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/submit-pass-standard-terms.pdf>.

**CHAIN-OF-CUSTODY / Analytical Request Document**

Page: 4 Of 5

Section B Required Client Information:  
 Company: Georgia Power  
 Address: 241 Ralph McGill Blvd NE  
 Atlanta, GA 30308  
 Email: [projectinfo@seafirst.com](mailto:projectinfo@seafirst.com)  
 Phone: (470)217-2008 Fax  
 Requested Date: Standard

Section C Required Project Information:  
 Report To: Kristen Jenkins, Anthony Sward  
 Copy To: Laura Middel, Ben Hodges, Mike Smiley  
 Noelia Gang  
 Purchase Order #: Bowen AP-1  
 Project Name: Bowen AP-1  
 Project #:

Section D Invoice Information:  
 Attention: Georgia Power  
 Company Name: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308  
 Pace Quoter:  
 Pace Project Manager: [bonnie.yang@pace-labs.com](mailto:bonnie.yang@pace-labs.com)  
 Pace Profile #: 108445

Requested Analytical Filtered (Y/N)	GA
-------------------------------------	----

ITEM #	MATRIX	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyzes Test	Y/N	Residual Chlorine (Y/N)
37	BOW-BGWC-48D	WG	G	G									
38	BOW-BGWC-50D	WG	G	G									
39	BOW-BGWC-51	WG	G	G									
40	BOW-BGWC-52	WG	G	G									
41	BOW-PZ-7	WG	G	G		2/2/23	1305	5	2	3			
42	BOW-AP1-FD-01	WG	G	G									
43	BOW-AP1-FD-02	WG	G	G									
44	BOW-AP1-FD-03	WG	G	G									
45	BOW-AP1-FD-04	WG	G	G									
46	BOW-AP1-FD-05	WG	G	G									
47	BOW-AP1-EB-01	WG	G	G									
48	BOW-AP1-EB-02	WG	G	G									

MATRIX	CODE	DATE	TIME	DATE	TIME	DATE	TIME	TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
MATRIX	CODE	DATE	TIME	DATE	TIME	DATE	TIME	TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Water	WT										
Sediment	SD										
Sludge	SL										
Oil	OL										
Other	OT										
TS	TS										

ADDITIONAL COMMENTS	RECEIVED BY/AFFILIATION	DATE	TIME	ACCEPTED BY/AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<i>Kristen Jenkins</i>	2/7/23	1150	<i>Bonnie Yang</i>	2/7/23	1150	
	<i>Kevin Williamson</i>	2/4/23	1526	<i>Kevin Williamson</i>	2/7/23	1525	

SIGNATURE OF SAMPLER:		DATE SIGNED:
<i>Kevin Williamson</i>		2/2/23
SIGNATURE OF ANALYST:		DATE SIGNED:
<i>Bonnie Yang</i>		2/7/23

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



Pace

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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.

Section A Required Client Information: Company: Georgia Power, Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308, Email: k@pacelabs.com, Phone: (470)217-0008, Requested Due Date: Standard

Section B Required Project Information: Report To: Kristen Jurkic, Anthony Swartz, Copy To: Laura Mickit, Ben Hodges, Mike Smalley, Project Name: Bowen AP-1, Purchase Order #: Bowen AP-1

Section C Invoice Information: Attention: Company Name: Georgia Power, Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308, Pace Project Manager: boris.verg@pacelabs.com, Pace Profile #: 10844.5

Table with columns for Required Client Information, Required Project Information, and Invoice Information. Includes fields for Company, Address, Email, Phone, Report To, Copy To, Project Name, Purchase Order #, Attention, Company Name, Address, Pace Project Manager, and Pace Profile #.

Table with columns for ITEM #, MATRIX CODE, SAMPLE TYPE, DATE, TIME, SAMPLE TEMP AT COLLECTION, # OF CONTAINERS, Preservatives, Analysis Test, Residual Chlorine (Y/N), and SAMPLE CONDITIONS. Includes handwritten entries for item 49 and 65.

Main data table with columns for ITEM #, MATRIX CODE, SAMPLE TYPE, DATE, TIME, SAMPLE TEMP AT COLLECTION, # OF CONTAINERS, Preservatives, Analysis Test, Residual Chlorine (Y/N), and SAMPLE CONDITIONS. Includes handwritten entries for items 49 through 80 and additional comments.



Section A Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacesubs.com/hubs/pas-standard-terms.pdf>.

**CHAIN-OF-CUSTODY / Analytical Request Document**

Section B

Required Project Information:

Company: Georgia Power  
 Address: 241 Ralph McGill Blvd, NE  
 Atlanta, GA 30308  
 Phone: (470) 217-0008  
 Fax: (470) 217-0008  
 Email: [kyan@pacefarms.com](mailto:kyan@pacefarms.com)  
 Requested Due Date: Standard

Section C

Invoice Information:

Report To: Kristen Jarrico, Anthony Stewart  
 Copy To: Laura Malhot, Ben Hodges, Miles Smiley  
 Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308  
 Company Name: Georgia Power  
 PACE Profile #: 10944-5  
 Project Name: Bowen AP-1  
 Bowen AP-1  
 Purchase Order #: 10944-5  
 Invoice Project Manager: korrie.yang@pacelabs.com  
 PACE Profile #: 10944-5

Page: 2 of 5

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9, /, ) Sample IDs must be unique	MATRIX Dialing Water Wash Water Wash Product Sediment Oil Mud Other Tanks	CODE DW WT WW P SL OK WP M OT TS	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES								ANALYSES TEST						Residual Chlorine (Y/N)	pH					
				DATE	TIME		Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Metals	Cl, F, SO4	Alkalinity	TDS	RAD 9315/9320								
15	BOW-BGWC-17		WG	G											X	X	X	X	X	X							
14	BOW-BGWC-18		WG	G											X	X	X	X	X	X							
13	BOW-BGWC-19		WG	G											X	X	X	X	X	X							
12	BOW-BGWC-20		WG	G											X	X	X	X	X	X							
11	BOW-BGWC-21		WG	G											X	X	X	X	X	X							
10	BOW-BGWC-22		WG	G				21/7/23	1100	52	3				X	X	X	X	X	X							
9	BOW-BGWC-23		WG	G											X	X	X	X	X	X				6.44			
8	BOW-BGWC-24		WG	G											X	X	X	X	X	X							
7	BOW-BGWC-25		WG	G											X	X	X	X	X	X							
6	BOW-BGWC-30		WG	G											X	X	X	X	X	X							
5	BOW-BGWA-6		WG	G											X	X	X	X	X	X							
4	BOW-BGWC-31		WG	G											X	X	X	X	X	X							
ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				DATE				TIME				ACCEPTED BY / AFFILIATION				DATE				TIME			
TEST CODE: BOW-GRAB-SAMI-20181				Kevin Stephenson / Pace				7/10/23 1735				Kyan Williams / Pace				7/10/23 1235											
				Kyan Williams / Pace				7/1/23 1530				Kyan Williams / Pace				7/10/23 1530											

SAFETY NAME AND SIGNATURE  
 PRINT NAME of SAFETY: Kevin Stephenson, William Lester, Marcedin Duncan  
 SIGNATURE of SAFETY: *(Signature)* Rescuba Environmental  
 DATE signed: 7/1/23







May 23, 2023

Kristen Jurinko  
Southern Co.

RE: Project: Bowen AP  
Pace Project No.: 92667104

Dear Kristen Jurinko:

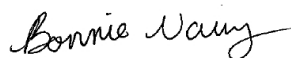
Enclosed are the analytical results for sample(s) received by the laboratory on May 11, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted 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
<b>92667104001</b>	<b>BOW-BGWC-23</b>					
	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	
<b>92667104002</b>	<b>BOW-AP1-FD-03</b>					
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
<b>Field Data</b>	Analytical Method: Pace Analytical Services - Charlotte								
Performed by	<b>CUSTOMER</b>				1		05/11/23 17:50		
pH	<b>6.74</b>	Std. Units			1		05/11/23 17:50		
<b>6020 MET ICPMS</b>	Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	<b>0.0032</b>	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

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**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	<b>0.0038</b>	mg/L	0.0030	0.0012	1	05/13/23 12:40	05/22/23 16:03	7440-36-0	
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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				
<b>6020 MET ICPMS</b>									
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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### 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				
<b>6020 MET ICPMS</b>									
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	0.11	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

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### 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: 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

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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.

<b>Section A</b> Required Client Information: Company: Georgia Power Address: 241 Ralph McGill Blvd. NE Atlanta, GA 30308 Email: <a href="mailto:kjurlink@georgiapower.com">kjurlink@georgiapower.com</a> Phone: (470) 217-0008 Requested Due Date: Standard	<b>Section B</b> Required Project Information: Report To: Kristen Jurinko, Anthony Swasz Copy To: Laura Middlek, Brad Hodges, Mike Smiley, Noella Ganji Purchase Order #: Bowen AP Project Name: Bowen AP Project #:  <b>Section C</b> Invoice Information: Attention: Company Name: Georgia Power Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308 POC Name: POC Title: POC Project Manager: <a href="mailto:bonnie.yano@georgiapower.com">bonnie.yano@georgiapower.com</a> POC Profile #: 310850-4  Regulatory Agency: GA State / Location:
---	---

ITEM #	SAMPLE ID <small>One Character per box. (A-Z, 0-9 /, -) Sample Ids must be unique</small>	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
				DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol				
1	BOW-BGWC-23	GW	G	5/16/23	1325			X										
2	BOW-AP1-ED-03	GW	G	5/10/23	—			X										
3	BOW-AP1-FB-03	GW	G	5/10/23	1426			X										
4	BOW-AP1-EB-01	GW	G	5/10/23	1424			X										
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

**WO# : 92667104**

Task code: BOW-COR-ASSMT-2023R1

RELINQUISHED BY / AFFILIATION: *Roger Williams / PwC* DATE: 5/11/23 TIME: 0901

ACCEPTED BY / AFFILIATION: *Roger Williams / PwC* DATE: 5/11/23 TIME: 1250

SAMPLER NAME AND SIGNATURE: *Meredith Duncan*

PRINT Name of SAMPLER: Meredith Duncan

SIGNATURE of SAMPLER: *Meredith Duncan*

DATE signed: 5/10/23

TEMP in C: \_\_\_\_\_

Received on Ice (Y/N): \_\_\_\_\_

Custody Sealed Cooler (Y/N): \_\_\_\_\_

Samples Intact (Y/N): \_\_\_\_\_

Resolve Environmental



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

PM: BV

Due Date: 05/25/23

CLIENT: 92-GP-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 on 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: <u>GW</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.

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# : 92667104**

PH: BV

Due Date: 05/25/23

CLIENT: 92-GP-B0MLF

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	AG1U-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 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)	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)	AG0U-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.

# Data Validation Reports

## 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-AP1-EB-02, and BOW-AP1-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 (CaCO<sub>3</sub>) 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-AP1-FD-02
92649235016	BOW-AP1-FD-01

Plant Bowen Ash Pond Data Validation

20 June 2023

Page 3

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-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. Two field blanks were identified as BOW-AP1-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-AP1-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-AP1-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-AP1-FB-9 at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated boron concentration in equipment blank BOW-AP1-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-AP1-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-AP1-EB-01, BOW-AP1-EB-02, BOW-AP1-EB-03, and BOW-AP1-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 (CaCO<sub>3</sub>) 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 (CaCO<sub>3</sub>) results in samples BOW-BGWC-12 and BOW-BGWC-14A were R qualified as rejected and the alkalinity, bicarbonate (CaCO<sub>3</sub>) and alkalinity, total as CaCO<sub>3</sub> 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 <sub>3</sub> )	318	H1	318	J	2
BOW-BGWC-12	Alkalinity, Carbonate (CaCO <sub>3</sub> )	5.0	U H1	5.0	R	2
BOW-BGWC-12	Alkalinity, Total as CaCO <sub>3</sub>	318	H1	318	J	2
BOW-BGWC-14A	Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	243	H1	243	J	2
BOW-BGWC-14A	Alkalinity, Carbonate (CaCO <sub>3</sub> )	5.0	U H1	5.0	R	2
BOW-BGWC-14A	Alkalinity, Total as CaCO <sub>3</sub>	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-AP1-FD-05, and BOW-AP1-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 CaCO<sub>3</sub> in the MS and/or MSD using samples BOW-BGWC-40, BOW-BGWC-51, and BOW-AP1-FD-05 were high and outside of the laboratory specified acceptance criteria. Therefore, the total alkalinity and bicarbonate alkalinity as CaCO<sub>3</sub> concentrations in samples BOW-BGWC-40, BOW-BGWC-51, and BOW-AP1-FD-05 were J qualified as estimated.

Six sample set specific MS/MSD pairs were reported for anions using samples BOW-BGWC-12, BOW-AP1-FB-02, BOW-BGWC-20, BOW-AP1-EB-01, BOW-AP1-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 <sub>3</sub>	214	M1	214	J	4
BOW-BGWC-51	Alkalinity, Total as CaCO <sub>3</sub>	160	M1	160	J	4
BOW-AP1-FD-05	Alkalinity, Total as CaCO <sub>3</sub>	149	M1	149	J	4
BOW-BGWC-40	Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	214	M1	214	J	4
BOW-BGWC-51	Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	160	M1	160	J	4
BOW-AP1-FD-05	Alkalinity, Bicarbonate (CaCO <sub>3</sub> )	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 ( $2\sigma$ )] 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 ( $2\sigma$ ) < 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.

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**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**

<b>Valid Value</b>	<b>Description</b>
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

# Field Sampling Forms

# Low-Flow Test Report:

**Test Date / Time:** 1/24/2023 2:45:53 PM

**Project:** Plant Bowen AP January 2023

**Operator Name:** Meredith Duncan

<b>Location Name: BGWA-2</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 79.17 ft</b> <b>Total Depth: 89.17 ft</b> <b>Initial Depth to Water: 49.91 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 84.17 ft</b> <b>Estimated Total Volume Pumped: 3600 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 0.01 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWA-6</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52.74 ft</b> <b>Total Depth: 62.74 ft</b> <b>Initial Depth to Water: 39.19 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 57.74 ft</b> <b>Estimated Total Volume Pumped: 11440 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 110 ml/min</b> <b>Final Draw Down: 0.1 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-7</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 80.2 ft</b> <b>Total Depth: 90.2 ft</b> <b>Initial Depth to Water: 40.82 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 85.2 ft</b> <b>Estimated Total Volume Pumped: 12320 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 140 ml/min</b> <b>Final Draw Down: 38.81 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789317</b>
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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

<b>Sample ID:</b>	<b>Description:</b>
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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

<b>Location Name: BGWC-8</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 70.01 ft</b> <b>Total Depth: 80.01 ft</b> <b>Initial Depth to Water: 40.76 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 75.01 ft</b> <b>Estimated Total Volume Pumped: 3920 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 140 ml/min</b> <b>Final Draw Down: 0.01 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789317</b>
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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

<b>Location Name: BGWC-9</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 53.74 ft</b> <b>Total Depth: 63.74 ft</b> <b>Initial Depth to Water: 23.46 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 58.74 ft</b> <b>Estimated Total Volume Pumped: 7200 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 0.02 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-10</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52.37 ft</b> <b>Total Depth: 62.37 ft</b> <b>Initial Depth to Water: 44.1 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 57.37 ft</b> <b>Estimated Total Volume Pumped: 11280 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 240 ml/min</b> <b>Final Draw Down: 8.3 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-12</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 68.28 ft</b> <b>Total Depth: 78.28 ft</b> <b>Initial Depth to Water: 33.45 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 73.28 ft</b> <b>Estimated Total Volume Pumped: 2405.2 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 1.3 ml/min</b> <b>Final Draw Down: 0.06 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-14A</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 89.46 ft</b> <b>Total Depth: 99.46 ft</b> <b>Initial Depth to Water: 68.39 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 94.46 ft</b> <b>Estimated Total Volume Pumped: 6120 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 170 ml/min</b> <b>Final Draw Down: 0.01 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-16</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 38.87 ft</b> <b>Total Depth: 48.87 ft</b> <b>Initial Depth to Water: 12.32 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 43.87 ft</b> <b>Estimated Total Volume Pumped: 3000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 0.1 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-17</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 58.39 ft</b> <b>Total Depth: 68.39 ft</b> <b>Initial Depth to Water: 11.03 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 63.39 ft</b> <b>Estimated Total Volume Pumped: 3040 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 190 ml/min</b> <b>Final Draw Down: 0.04 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-18</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 27.95 ft</b> <b>Total Depth: 37.95 ft</b> <b>Initial Depth to Water: 8.29 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 32.95 ft</b> <b>Estimated Total Volume Pumped: 3840 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 160 ml/min</b> <b>Final Draw Down: 0.06 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-19</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 44.58 ft</b> <b>Total Depth: 54.58 ft</b> <b>Initial Depth to Water: 10.19 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 49.58 ft</b> <b>Estimated Total Volume Pumped: 4480 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 160 ml/min</b> <b>Final Draw Down: 0.9 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-20</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 39.73 ft</b> <b>Total Depth: 49.73 ft</b> <b>Initial Depth to Water: 13.49 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 44.73 ft</b> <b>Estimated Total Volume Pumped: 6720 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 140 ml/min</b> <b>Final Draw Down: 8.18 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-21</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 42.99 ft</b> <b>Total Depth: 52.99 ft</b> <b>Initial Depth to Water: 18.76 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 47.99 ft</b> <b>Estimated Total Volume Pumped: 3840 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 160 ml/min</b> <b>Final Draw Down: 0.38 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-22</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 33.05 ft</b> <b>Total Depth: 43.05 ft</b> <b>Initial Depth to Water: 26.56 ft</b>	<b>Pump Type: GeoTech Peristaltic</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 38.05 ft</b> <b>Estimated Total Volume Pumped: 5600 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 0.03 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-23</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 40.95 ft</b> <b>Total Depth: 50.95 ft</b> <b>Initial Depth to Water: 32.2 ft</b>	<b>Pump Type: QED Bladder</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 45.95 ft</b> <b>Estimated Total Volume Pumped: 8400 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 0.78 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-24</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 56.11 ft</b> <b>Total Depth: 66.11 ft</b> <b>Initial Depth to Water: 12.48 ft</b>	<b>Pump Type: GeoTech Peristaltic</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 61.11 ft</b> <b>Estimated Total Volume Pumped: 6760 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 130 ml/min</b> <b>Final Draw Down: 6.3 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-25</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 47.87 ft</b> <b>Total Depth: 57.87 ft</b> <b>Initial Depth to Water: 24.9 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 52.87 ft</b> <b>Estimated Total Volume Pumped: 6440 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 140 ml/min</b> <b>Final Draw Down: 2.55 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWA-29</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 89.03 ft</b> <b>Total Depth: 99.03 ft</b> <b>Initial Depth to Water: 44.4 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 94.03 ft</b> <b>Estimated Total Volume Pumped: 7280 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 140 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789317</b>
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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

<b>Location Name: BGWC-30</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 49.98 ft</b> <b>Total Depth: 59.98 ft</b> <b>Initial Depth to Water: 22.3 ft</b>	<b>Pump Type: Solinst Model 408</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 54.98 ft</b> <b>Estimated Total Volume Pumped: 10200 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 0.01 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-31</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 39.7 ft</b> <b>Total Depth: 49.7 ft</b> <b>Initial Depth to Water: 13.46 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 44.7 ft</b> <b>Estimated Total Volume Pumped: 2800 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 140 ml/min</b> <b>Final Draw Down: 0.12 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-32</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 41.22 ft</b> <b>Total Depth: 51.22 ft</b> <b>Initial Depth to Water: 34.74 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 46.22 ft</b> <b>Estimated Total Volume Pumped: 5992 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 170 ml/min</b> <b>Final Draw Down: 4.82 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWA-33</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 70.84 ft</b> <b>Total Depth: 80.84 ft</b> <b>Initial Depth to Water: 68.79 ft</b>	<b>Pump Type: QED Bladder</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 79.84 ft</b> <b>Estimated Total Volume Pumped: 2100 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 105 ml/min</b> <b>Final Draw Down: 2.89 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-34D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 69.75 ft</b> <b>Total Depth: 79.75 ft</b> <b>Initial Depth to Water: 13.74 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 74.75 ft</b> <b>Estimated Total Volume Pumped: 9240 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 110 ml/min</b> <b>Final Draw Down: 11.6 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-35D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 70.94 ft</b> <b>Total Depth: 80.94 ft</b> <b>Initial Depth to Water: 30.19 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 75.94 ft</b> <b>Estimated Total Volume Pumped: 6400 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 160 ml/min</b> <b>Final Draw Down: 0.52 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-36D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 86.35 ft</b> <b>Total Depth: 96.35 ft</b> <b>Initial Depth to Water: 22.45 ft</b>	<b>Pump Type: Solinst Model 408</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 91.35 ft</b> <b>Estimated Total Volume Pumped: 7680 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 160 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

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# Low-Flow Test Report:

Test Date / Time: 1/30/2023 11:57:02 AM

Project: Plant Bowen AP January 2023

Operator Name: Meredith Duncan

<b>Location Name: BGWC-37D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 99.5 ft</b> <b>Total Depth: 109.5 ft</b> <b>Initial Depth to Water: 30.43 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 104.5 ft</b> <b>Estimated Total Volume Pumped: 3000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 130 ml/min</b> <b>Final Draw Down: 0.17 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-38D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 118.11 ft</b> <b>Total Depth: 128.11 ft</b> <b>Initial Depth to Water: 20.43 ft</b>	<b>Pump Type: Solinst Model 408</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 123.11 ft</b> <b>Estimated Total Volume Pumped: 14520 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 110 ml/min</b> <b>Final Draw Down: 0.01 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-39</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 18.27 ft</b> <b>Total Depth: 28.27 ft</b> <b>Initial Depth to Water: 19.12 ft</b>	<b>Pump Type: GeoTech Peristaltic</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 23.27 ft</b> <b>Estimated Total Volume Pumped: 12600 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 4.11 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-40</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 52.74 ft</b> <b>Total Depth: 62.74 ft</b> <b>Initial Depth to Water: 22.19 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 57.74 ft</b> <b>Estimated Total Volume Pumped: 3400 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 170 ml/min</b> <b>Final Draw Down: 0.04 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-41D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 48.26 ft</b> <b>Total Depth: 58.26 ft</b> <b>Initial Depth to Water: 18.16 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 53.26 ft</b> <b>Estimated Total Volume Pumped: 2240 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 140 ml/min</b> <b>Final Draw Down: 1.81 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-42D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 143.74 ft</b> <b>Total Depth: 153.74 ft</b> <b>Initial Depth to Water: 31.31 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 148.74 ft</b> <b>Estimated Total Volume Pumped: 2880 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 120 ml/min</b> <b>Final Draw Down: 0.31 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-43D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 156.01 ft</b> <b>Total Depth: 166.01 ft</b> <b>Initial Depth to Water: 20.26 ft</b>	<b>Pump Type: Solinst Model 408</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 161.01 ft</b> <b>Estimated Total Volume Pumped: 9240 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 110 ml/min</b> <b>Final Draw Down: 0.01 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-44D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 132.79 ft</b> <b>Total Depth: 142.79 ft</b> <b>Initial Depth to Water: 39.85 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 137.79 ft</b> <b>Estimated Total Volume Pumped: 2200 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 110 ml/min</b> <b>Final Draw Down: 4.07 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWA-47D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 144.96 ft</b> <b>Total Depth: 154.96 ft</b> <b>Initial Depth to Water: 49.95 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 149.96 ft</b> <b>Estimated Total Volume Pumped: 2720 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 0.02 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWA-48D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 184.79 ft</b> <b>Total Depth: 194.79 ft</b> <b>Initial Depth to Water: 50.98 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 189.79 ft</b> <b>Estimated Total Volume Pumped: 4000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 2.06 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-49D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 300.68 ft</b> <b>Total Depth: 310.68 ft</b> <b>Initial Depth to Water: 25.71 ft</b>	<b>Pump Type: Solinst Model 408</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 305.68 ft</b> <b>Estimated Total Volume Pumped: 16460 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 14.52 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-50D</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 177.28 ft</b> <b>Total Depth: 187.28 ft</b> <b>Initial Depth to Water: 41.3 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 182.28 ft</b> <b>Estimated Total Volume Pumped: 3840 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 120 ml/min</b> <b>Final Draw Down: 2.32 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 789301</b>
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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

<b>Location Name: BGWC-51</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 57.29 ft</b> <b>Total Depth: 67.29 ft</b> <b>Initial Depth to Water: 34.11 ft</b>	<b>Pump Type: Solinst Model 408</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 62.29 ft</b> <b>Estimated Total Volume Pumped: 9600 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 160 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: BGWC-52</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 72.18 ft</b> <b>Total Depth: 82.18 ft</b> <b>Initial Depth to Water: 33.49 ft</b>	<b>Pump Type: QED Dedicated</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 77.18 ft</b> <b>Estimated Total Volume Pumped: 4480 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 140 ml/min</b> <b>Final Draw Down: 0 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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

<b>Location Name: PZ-7</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 39.3 ft</b> <b>Total Depth: 49.3 ft</b> <b>Initial Depth to Water: 16.62 ft</b>	<b>Pump Type: GeoTech Peristaltic</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 44.3 ft</b> <b>Estimated Total Volume Pumped: 7040 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 160 ml/min</b> <b>Final Draw Down: 0.01 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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.

# 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

<b>Location Name: BGWC-23</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 40.95 ft</b> <b>Total Depth: 50.95 ft</b> <b>Initial Depth to Water: 32.07 ft</b>	<b>Pump Type: QED Bladder</b> <b>Tubing Type: LDPE</b> <b>Pump Intake From TOC: 38.05 ft</b> <b>Estimated Total Volume Pumped: 8400 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 1.56 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 893479</b>
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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



# Calibration Forms

EQUIPMENT CALIBRATION LOG

Field Technician	Meredith Duncan	Date	1/24/23	Time of calibration	0840	Time of day of use	1625
AquaTroll SN	893479	Turbidity Meter Type	1a motte	[REDACTED]			
Project	Bowen AP	Sample Temperature	28°	7042-3818			

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)	[REDACTED]	[REDACTED]	[REDACTED]	100.77	
Specific Conductance (µS/cm)	22250153 11/23	3.58	4490	4152.8	
pH (4)	22250153 11/23	3.56	4	3.91	
pH (7)	2216893 11/23	2.64	7	7.02	
pH (10)	21320202 12/23	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 1 NTU	0	0.00	0-10 NTU	Yes No	
Turbidity 1 NTU	1	0.98	0-10 NTU	Yes No	
Turbidity 10 NTU	10	9.87	0-10 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass*	Comments
Mid-Scan pH 4 check	9.9	4	4.4	3.5 - 5	Yes No	
Mid-Scan pH 7 check	10.63	7	7.46	6.5 - 8	Yes No	
Mid-Scan pH 10 check	11.96	10	10.39	9 - 11	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician <i>Kevin Stephansson</i>	Date <i>1/24/23</i>	Time (Calibration) <i>0904</i>	Time (Mid-day Check)
AquaTroll SN <i>789317</i>	Turbidity Meter Type <i>Lamotte 2129/44017</i>	SN <i>9429-4417</i>	
Project <i>AP Semannual</i>	Weather Conditions <i>54/14/0.090</i>		

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)				<i>99.86</i>	
Specific Conductance (µS/cm)	22250153 11/23	<i>15.34</i>	4490	<i>4.215</i>	
pH (4)	22250153 11/23	<i>15.64</i>	4	<i>4.02</i>	
pH (7)	2216893 11/23	<i>15.74</i>	7	<i>7.09</i>	
pH (10)	21320202 12/23	<i>15.74</i>	10	<i>10.12</i>	
ORP (mV)	21390144 11/23	<i>15.80</i>	228	<i>243</i>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<i>0.01</i>	$\pm 0.5$ NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	<i>0.97</i>	$\pm 0.5$ NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	<i>9.69</i>	$\pm 0.5$ 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	<i>17.44</i>	4	<i>4.11</i>	$\pm 0.1$ SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	<i>17.81</i>	7	<i>7.17</i>	$\pm 0.1$ SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (10) check	<i>17.58</i>	10	<i>10.21</i>	$\pm 0.1$ SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician <b>William Laaker</b>	Date <b>1/25/23</b>	Time (Calibration) <b>9:45</b>	Time (Mid-day Check) <b>16:00</b>
AquaTroll SN <b>789301</b>	Turbidity Meter Type <b>LaMotte 2020</b>	SN <b>7042-3818</b>	
Project <b>Jan. 2023 AP Semi</b>	Weather Conditions <b>58°/38° cloudy</b>		

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)				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	+/-0.5 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. Johnson</u>	Date: <u>1/25/23</u>	Time (Calibration): <u>1028</u>	Time (Mid-day Check):
AquaTroll SN: <u>782317</u>	Turbidity Meter Type: <u>LaMotte</u>	SN: <u>450354</u>	
Project: <u>Radon AP</u>	Weather Conditions: <u>59°/34° 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)				<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>	+/-0.5 NTU	Yes No	
Turbidity 1 NTU	1	<u>0.82</u>	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU	10	<u>9.77</u>	+/- 0.5 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 SU	Yes <u>No</u>	
Mid-Day pH (7) check	<u>17.49</u>	7	<u>7.28</u>	+/- 0.1 SU	Yes <u>No</u>	
Mid-Day pH (10) check	<u>17.64</u>	10	<u>10.30</u>	+/- 0.1 SU	Yes <u>No</u>	

EQUIPMENT CALIBRATION LOG

Field Technician	Meredith Duncan	Date	1/26/23	Time (Calibration)	0830	Time (Site Visit)	1620
AquaTroll SN	893479	Turbidity Meter Type	la motte	SN	9453-4417		
Project	Bowen AP	Weather Conditions	38°				

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)				94.42	
Specific Conductance (µS/cm)	22250153 11/23	5.56	4490	4750.6	
pH (4)	22250153 11/23	5.7	4	3.64	
pH (7)	2216893 11/23	5.41	7	6.72	
pH (10)	21320202 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 0 NTU	0	0.01	+/- 0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.94	+/- 0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.51	+/- 0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass*		Comments
Mid-Day pH (4) check	8.8	4	4.22	+/- 0.1	Yes	No	
Mid-Day pH (7) check	9.01	7	7.28	+/- 0.1	Yes	No	
Mid-Day pH (10) check	9.81	10	10.30	+/- 0.1	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Laaker</u>	Date: <u>1/26/23</u>	Time (Calibration): <u>8:32</u>	Time (Mid-day Check): <u>15:40</u>
AquaTroll 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 cal)				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	228.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	0	0.01	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU	1	0.96	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU	10	9.72	+/- 0.5 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	12.20	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>
AquaTroll SN: <u>7003.7</u>	Turbidity Meter Type: <u>LaMotte</u>	SN: <u>9429-4417</u>	
Project: <u>Basswood AP SA</u>	Weather Conditions: <u>45°/27° 60%</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	9.32	4490	4292.9	
pH (4)	22250153 11/23	9.41	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	9.50	228	238.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 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	10.01	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	



EQUIPMENT CALIBRATION LOG

Field Technician: <b>Meredith Duncan</b>	Date: <b>1/27/23</b>	Time (Calibration): <b>0830</b>	Time (Mid-Day Check): <b>1405</b>
AquaTroll SN: <b>893479</b>	Turbidity Meter Type: <b>La Motte</b>	SN: <b>9453.4417</b>	
Project: <b>Bowen AP</b>	Weather Conditions: <b>30°</b>		

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)				<b>102.56</b>	
Specific Conductance (µS/cm)	22250153 11/23	<b>0.57</b>	4490	<b>4465</b>	
pH (4)	22250153 11/23	<b>0.61</b>	4	<b>3.87</b>	
pH (7)	2216893 11/23	<b>1.04</b>	7	<b>6.87</b>	
pH (10)	21320202 12/23	<b>1.34</b>	10	<b>10.05</b>	
ORP (mV)	21390144 11/23	<b>1.62</b>	228	<b>261.2</b>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<b>0.01</b>	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	<b>0.99</b>	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	<b>10.33</b>	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<b>8.48</b>	4	<b>4.01</b>	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	<b>8.86</b>	7	<b>7.27</b>	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	<b>9.3</b>	10	<b>10.27</b>	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician <u>William Lacker</u>	Date <u>1/27/23</u>	Time (Calibration) <u>8:40</u>	Time (Mid-day Check) <u>13:35</u>
AquaTroll SN <u>789301</u>	Turbidity Meter Type <u>LaMotte</u>	SN <u>7042-3818</u>	
Project <u>Jan. 2023 AP Semi</u>	Weather Conditions <u>52°/28° sunny</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>99.19</u>	
Specific Conductance (µS/cm)	<u>22250153 11/23</u>	<u>6.00</u>	<u>4490</u>	<u>4490.6</u>	
pH (4)	<u>22250153 11/23</u>	<u>6.04</u>	<u>4</u>	<u>4.02</u>	
pH (7)	<u>2216893 11/23</u>	<u>5.99</u>	<u>7</u>	<u>7.11</u>	
pH (10)	<u>21320202 12/23</u>	<u>5.95</u>	<u>10</u>	<u>10.13</u>	
ORP (mV)	<u>21390144 11/23</u>	<u>5.75</u>	<u>228</u>	<u>226.2</u>	

		Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU		<u>0</u>	<u>0.00</u>	<u>±0.5 NTU</u>	Yes No	
Turbidity 1 NTU		<u>1</u>	<u>0.91</u>	<u>±0.5 NTU</u>	Yes No	
Turbidity 10 NTU		<u>10</u>	<u>9.75</u>	<u>±0.5 NTU</u>	Yes No	

		Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check		<u>13.67</u>	<u>4</u>	<u>4.03</u>	<u>±0.1 SU</u>	Yes No	
Mid-Day pH (7) check		<u>13.50</u>	<u>7</u>	<u>7.14</u>	<u>±0.1 SU</u>	Yes No	
Mid-Day pH (10) check		<u>13.98</u>	<u>10</u>	<u>10.14</u>	<u>±0.1 SU</u>	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: <b>Meredith Duncan</b>	Date: <b>1/30/23</b>	Time (Calibration): <b>0830</b>	Time (Mid-day Check): <b>1536</b>
AquaTroll SN: <b>893479</b>	Turbidity Meter Type: <b>la motte</b>		SN: <b>9453-4417</b>
Project: <b>Bowen AP</b>	Weather Conditions: <b>50° Rain</b>		

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)				<b>96.23</b>	
Specific Conductance (µS/cm)	22250153 11/23	<b>10.83</b>	4490	<b>4557</b>	
pH (4)	22250153 11/23	<b>10.88</b>	4	<b>3.83</b>	
pH (7)	2216893 11/23	<b>10.8</b>	7	<b>6.78</b>	
pH (10)	21320202 12/23	<b>10.83</b>	10	<b>9.90</b>	
ORP (mV)	21390144 11/23	<b>10.79</b>	228	<b>243.8</b>	<b>243.8</b>

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<b>0.01</b>	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	<b>1.10</b>	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	<b>10.22</b>	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<b>12.47</b>	4	<b>4.17</b>	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	<b>12.22</b>	7	<b>7.33</b>	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	<b>12.59</b>	10	<b>10.35</b>	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician <b>William Laaker</b>	Date <b>1/30/23</b>	Time (Calibration) <b>8:30</b>	Time (Mid-day Check) <b>16:15</b>
AquaTroll SN <b>789301</b>	Turbidity Meter Type <b>LaMotte 2020</b>	SN <b>7042-3818</b>	
Project <b>Jan 2023 AP Semi</b>	Weather Conditions <b>58°/48° cloudy, mist</b>		

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)				98.42	
Specific Conductance (µS/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	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.91	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.90	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Past 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: <b>Meredith Duncan</b>	Date: <b>1/31/23</b>	Time (Calibration): <b>0830</b>	Time (Mid-day Check): <b>1528</b>
AquaTroll SN: <b>893479</b>	Turbidity Meter Type: <b>la Motte</b>	SN: <b>9453-4417</b>	
Project: <b>Bowen AP</b>	Weather Conditions: <b>55° Fog</b>		

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)				<b>102.99</b>	
Specific Conductance (µS/cm)	22250153 11/23	<b>13.87</b>	4490	<b>4489</b>	
pH (4)	22250153 11/23	<b>13.76</b>	4	<b>3.86</b>	
pH (7)	2216893 11/23	<b>13.23</b>	7	<b>6.83</b>	
pH (10)	21320202 12/23	<b>12.92</b>	10	<b>9.92</b>	
ORP (mV)	21390144 11/23	<b>12.72</b>	228	<b>243.2</b>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<b>0.04</b>	+/-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	<b>1.14</b>	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	<b>10.34</b>	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<b>14.9</b>	4	<b>4.13</b>	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	<b>14.97</b>	7	<b>7.26</b>	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	<b>15.12</b>	10	<b>10.3</b>	+/- 0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician <b>William Laaker</b>	Date <b>1/31/23</b>	Time (Calibration) <b>8:50</b>	Time (Mid-day Check) <b>14:15</b>
AquaTroll SN <b>789301</b>	Turbidity Meter Type <b>LaMotte 2020</b>	SN <b>7042-3818</b>	
Project <b>Jan. 2023 AP Semi</b>	Weather Conditions <b>60°/45° cloudy, mist 50% rain</b>		

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)				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	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check		15.96	7	7.19	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check		15.93	10	10.20	+/- 0.1 SU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician	Meredith Duncan	Date	2/1/23	Time (Calibration)	0830	Time (Site)	1530
AquaTroll SN	893479	Turbidity Meter Type	1a Motte	SN	9453-4417		
Project	Bowen AP	Weather (reference)	46°				

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)				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 < NTU	0	0.01	< 0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.01	< 0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.14	< 0.1 NTU	Yes	No	

	Temp. of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass*		Comments
Mid-Day pH (4) check	14.36	4	4.17	< 0.1 pH	Yes	No	
Mid-Day pH (7) check	14.42	7	7.22	< 0.1 pH	Yes	No	
Mid-Day pH (10) check	14.78	10	10.17	< 0.1 pH	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician	William Laaker	Date	2/1/23	Time (Calibration)	8:25	Time (Mid-day Check)	15:15
AquaTroll SN	789301	Turbidity Meter Type	LaMotte 2020	SN	7042-3818		
Project	Jan. 2023 AP Semi		Weather Conditions	54°/43° cloudy, misty			

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1 pt, 100% water saturated air cal)				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	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.88	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.17	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	16.22	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	Time (Calibration): 0830	Time (Mid-day Check): 1306
AquaTroll 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 (%) (1pt. 100% water saturated air cal)				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	±0.1 SU	Yes	No	
Mid-Day pH (7) check	12.68	7	7.24	±0.1 SU	Yes	No	
Mid-Day pH (10) check	12.55	10	10.30	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician	William Laaker	Date	2/2/23	Time (Calibration)	8:30	Time (Mid-day Check)	12:45
AquaTroll 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 (%) (Ept. 100% water saturated air cal)				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	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.90	+/- 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	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: <b>Meredith Duncan</b>	Date: <b>2/7/23</b>	Time (Calibration): <b>0900</b>	Time (Mid-day Check): <b>1410</b>
AquaTroll SN: <b>893479</b>	Turbidity Meter Type: <b>la motte</b>	SN: <b>9453-4417</b>	
Project: <b>Bowen AP</b>	Weather Conditions: <b>45° Sunny</b>		

### Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Hpt. 100% water saturated air cal)				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 <b>William Lawler</b>	Date <b>2/7/23</b>	Time (Calibration) <b>8:53</b>	Time (Mid-day Check) <b>16:00</b>
AquaTroll SN <b>789301</b>	Turbidity Meter Type <b>LaMotte 2020</b>	SN <b>1042-3818</b>	
Project <b>Jan 2023 AP Semi</b>	Weather Conditions <b>68°/36° sunny</b>		

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)				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	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.89	+/- 0.5 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	

EQUIPMENT CALIBRATION LOG

Field Technician	Meredith Duncan	Date	5/10/23	Time (Calibration)	0830	Time (Mid-day Check)	1530
AquaTroll SN	893479	Turbidity Meter Type	la motte	SN	2068-0320		
Project	Bowen 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 (%) (1pt. 100% water saturated air cal)				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	

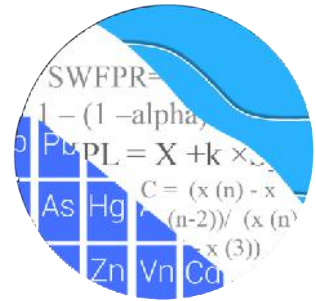
	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	+/- 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.12	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.32	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post 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	

# APPENDIX C

## Statistical Analysis Report

# 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

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## 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
<b>pH (s.u.)</b>	<b>BGWC-16</b>	<b>8.34</b>	<b>6.658</b>	<b>1/26/2023</b>	<b>6.56</b>	<b>Yes</b>	<b>89</b>	<b>56.94</b>	<b>5.928</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>pH (s.u.)</b>	<b>BGWC-18</b>	<b>8.34</b>	<b>6.658</b>	<b>1/26/2023</b>	<b>6.2</b>	<b>Yes</b>	<b>89</b>	<b>56.94</b>	<b>5.928</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
<b>pH (s.u.)</b>	<b>BGWC-19</b>	<b>8.34</b>	<b>6.658</b>	<b>1/27/2023</b>	<b>6.61</b>	<b>Yes</b>	<b>89</b>	<b>56.94</b>	<b>5.928</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>pH (s.u.)</b>	<b>BGWC-22</b>	<b>8.34</b>	<b>6.658</b>	<b>2/7/2023</b>	<b>6.44</b>	<b>Yes</b>	<b>89</b>	<b>56.94</b>	<b>5.928</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>pH (s.u.)</b>	<b>BGWC-7</b>	<b>8.34</b>	<b>6.658</b>	<b>1/26/2023</b>	<b>6.63</b>	<b>Yes</b>	<b>89</b>	<b>56.94</b>	<b>5.928</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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)	<b>BGWC-10</b>	<b>78</b>	<b>n/a</b>	<b>1/27/2023</b>	<b>97.3</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-12</b>	<b>78</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>463</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-14A</b>	<b>78</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>213</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-16</b>	<b>78</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>490</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-17</b>	<b>78</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>110</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
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)	<b>BGWC-20</b>	<b>78</b>	<b>n/a</b>	<b>1/30/2023</b>	<b>622</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
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)	<b>BGWC-22</b>	<b>78</b>	<b>n/a</b>	<b>2/7/2023</b>	<b>707</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-23</b>	<b>78</b>	<b>n/a</b>	<b>2/2/2023</b>	<b>514</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-24</b>	<b>78</b>	<b>n/a</b>	<b>2/1/2023</b>	<b>395</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
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)	<b>BGWC-7</b>	<b>78</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>253</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-12</b>	<b>474.8</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>995</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-14A</b>	<b>474.8</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>554</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-16</b>	<b>474.8</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>895</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-20</b>	<b>474.8</b>	<b>n/a</b>	<b>1/30/2023</b>	<b>1280</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-22</b>	<b>474.8</b>	<b>n/a</b>	<b>2/7/2023</b>	<b>2490</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-23</b>	<b>474.8</b>	<b>n/a</b>	<b>2/2/2023</b>	<b>2680</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-24</b>	<b>474.8</b>	<b>n/a</b>	<b>2/1/2023</b>	<b>2550</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-30</b>	<b>474.8</b>	<b>n/a</b>	<b>2/1/2023</b>	<b>745</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-7</b>	<b>474.8</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>657</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Boron (mg/L)</b>	<b>BGWC-12</b>	<b>0.05638</b>	<b>109</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Boron (mg/L)</b>	<b>BGWC-17</b>	<b>-0.07724</b>	<b>-84</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-18</b>	<b>-0.07522</b>	<b>-114</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-19</b>	<b>-0.05615</b>	<b>-84</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-20</b>	<b>0.1801</b>	<b>86</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-22</b>	<b>1.721</b>	<b>169</b>	<b>105</b>	<b>Yes</b>	<b>24</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-23</b>	<b>1.781</b>	<b>161</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron (mg/L)	BGWC-24	-0.7355	-36	-98	No	23	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>BGWC-30</b>	<b>-3.633</b>	<b>-136</b>	<b>-98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-7</b>	<b>-0.1575</b>	<b>-132</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron (mg/L)	BGWC-8	-0.003648	-56	-81	No	20	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>BGWC-9</b>	<b>-0.03986</b>	<b>-110</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWA-2 (bg)</b>	<b>2.99</b>	<b>133</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Calcium (mg/L)</b>	<b>BGWC-12</b>	<b>14.44</b>	<b>165</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-16</b>	<b>7.825</b>	<b>104</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-20</b>	<b>14.42</b>	<b>132</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-22</b>	<b>57.52</b>	<b>187</b>	<b>105</b>	<b>Yes</b>	<b>24</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-23</b>	<b>76.87</b>	<b>165</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Chloride (mg/L)</b>	<b>BGWA-29 (bg)</b>	<b>-0.1394</b>	<b>-136</b>	<b>-87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	BGWA-33 (bg)	-0.05685	-2	-25	No	9	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>BGWA-47D (bg)</b>	<b>-0.3104</b>	<b>-46</b>	<b>-43</b>	<b>Yes</b>	<b>13</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	BGWA-48D (bg)	1.602	23	43	No	13	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>BGWC-10</b>	<b>1.249</b>	<b>129</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-12</b>	<b>-5.069</b>	<b>-177</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	BGWC-14A	-3.326	-25	-43	No	13	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>BGWC-16</b>	<b>-3.932</b>	<b>-129</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Chloride (mg/L)</b>	<b>BGWC-22</b>	<b>54.33</b>	<b>137</b>	<b>105</b>	<b>Yes</b>	<b>24</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-23</b>	<b>91.25</b>	<b>145</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-24</b>	<b>-156.3</b>	<b>-110</b>	<b>-98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-30</b>	<b>-138.8</b>	<b>-145</b>	<b>-98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>pH (s.u.)</b>	<b>BGWA-2 (bg)</b>	<b>-0.05116</b>	<b>-127</b>	<b>-111</b>	<b>Yes</b>	<b>25</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>pH (s.u.)</b>	<b>BGWA-47D (bg)</b>	<b>-0.1313</b>	<b>-67</b>	<b>-48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (s.u.)	BGWA-48D (bg)	-0.1821	-42	-48	No	14	0	n/a	n/a	0.01	NP
<b>pH (s.u.)</b>	<b>BGWC-16</b>	<b>-0.06314</b>	<b>-180</b>	<b>-105</b>	<b>Yes</b>	<b>24</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>pH (s.u.)</b>	<b>BGWC-22</b>	<b>-0.06121</b>	<b>-216</b>	<b>-124</b>	<b>Yes</b>	<b>27</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (s.u.)	BGWC-7	-0.02517	-73	-105	No	24	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>BGWA-2 (bg)</b>	<b>1.374</b>	<b>141</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-12</b>	<b>33.16</b>	<b>138</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	BGWC-14A	46.4	16	43	No	13	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>BGWC-16</b>	<b>16.89</b>	<b>113</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-7</b>	<b>-36.63</b>	<b>-99</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWA-2 (bg)</b>	<b>8.03</b>	<b>86</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-12</b>	<b>63.06</b>	<b>124</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids (mg/L)	BGWC-14A	53.18	18	43	No	13	0	n/a	n/a	0.01	NP
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-16</b>	<b>22.88</b>	<b>86</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids (mg/L)	BGWC-20	29.53	78	81	No	20	0	n/a	n/a	0.01	NP
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-22</b>	<b>207.9</b>	<b>96</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-23</b>	<b>229.6</b>	<b>128</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids (mg/L)	BGWC-24	-247.1	-68	-87	No	21	0	n/a	n/a	0.01	NP
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-30</b>	<b>-346.1</b>	<b>-124</b>	<b>-87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-7</b>	<b>-48</b>	<b>-118</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

# Upper Tolerance Limits Summary Table

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 12:53 PM

<u>Constituent</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
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)

<b>BOWEN ASH POND 1 GWPS</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR-Rule Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
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

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
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.
<b>Arsenic (mg/L)</b>	<b>BGWC-34D</b>	<b>0.01823</b>	<b>0.01506</b>	<b>0.01</b>	<b>Yes</b>	<b>14</b>	<b>0.01664</b>	<b>0.00224</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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.

# 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)
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.02634</b>	<b>0.01665</b>	<b>0.006</b>	<b>Yes</b>	<b>26</b>	<b>0.0215</b>	<b>0.009947</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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.

# 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
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.
<b>Molybdenum (mg/L)</b>	<b>BGWC-43D</b>	<b>0.2083</b>	<b>0.1337</b>	<b>0.1</b>	<b>Yes</b>	<b>10</b>	<b>0.171</b>	<b>0.04175</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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>
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.004028</b>	<b>232</b>	<b>118</b>	<b>Yes</b>	<b>26</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Molybdenum (mg/L)</b>	<b>BGWA-33 (bg)</b>	<b>-0.003419</b>	<b>-39</b>	<b>-38</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

# 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
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.004028</b>	<b>232</b>	<b>118</b>	<b>Yes</b>	<b>26</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Molybdenum (mg/L)</b>	<b>BGWA-33 (bg)</b>	<b>-0.003419</b>	<b>-39</b>	<b>-38</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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

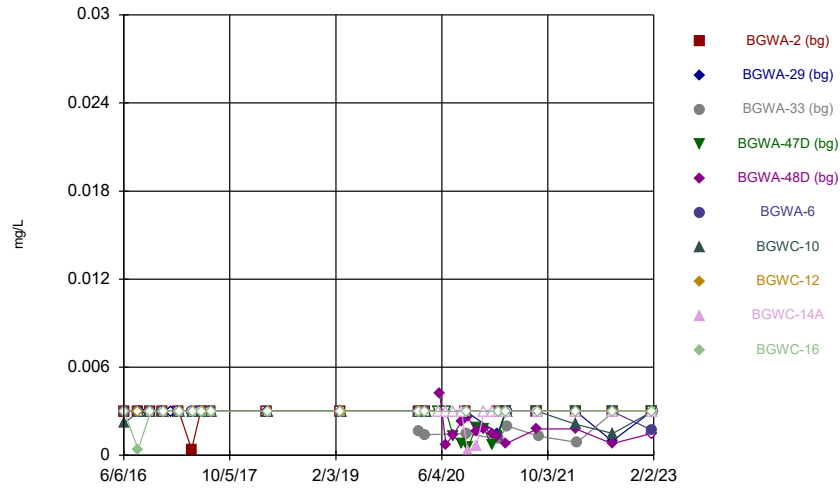
# Confidence Intervals - Resample Results (No Significant)

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)

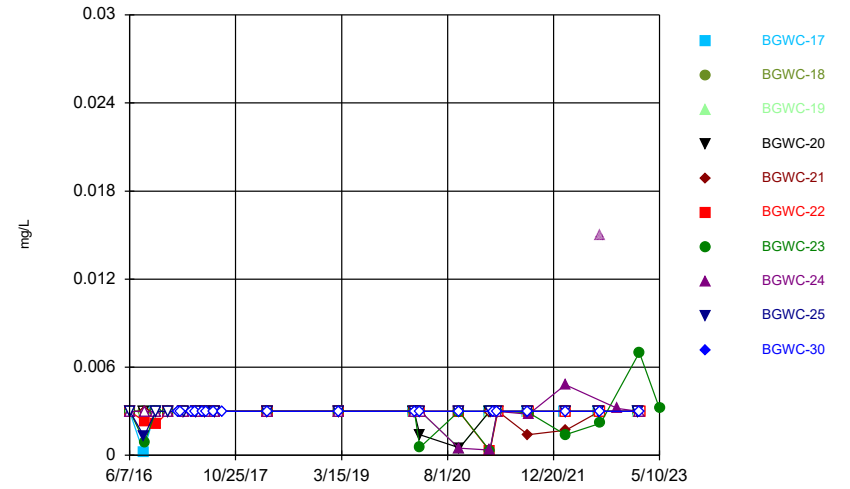
FIGURE A.

Time Series



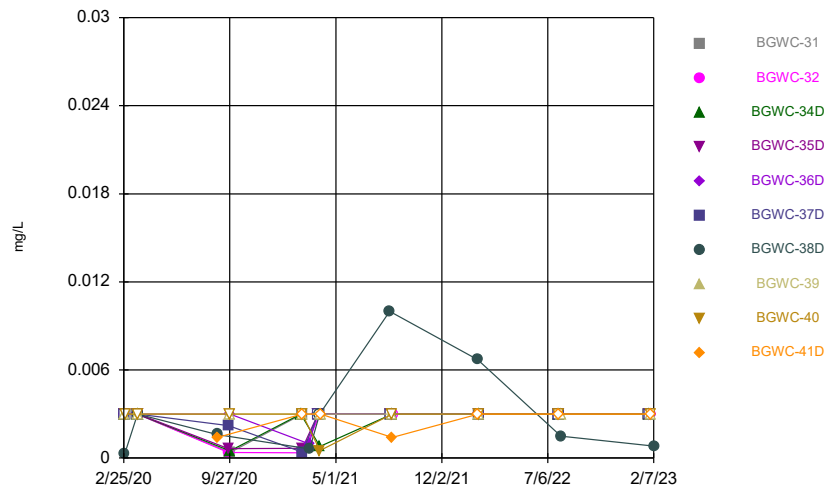
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



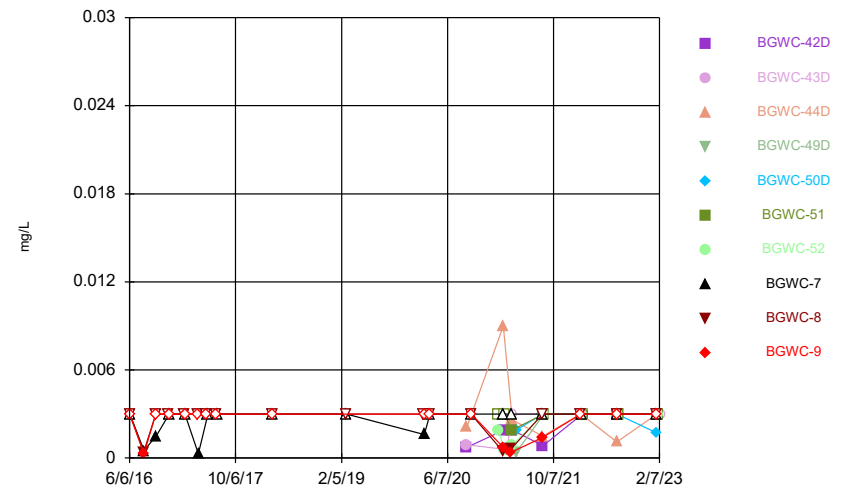
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Time Series



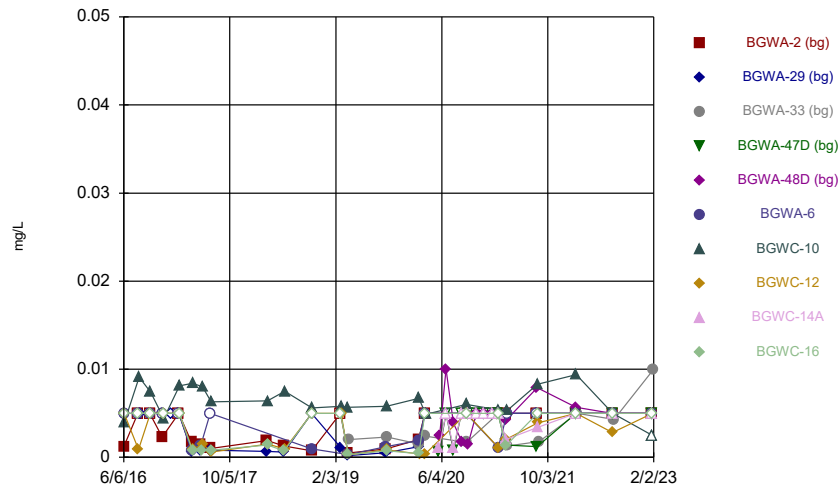
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Time Series



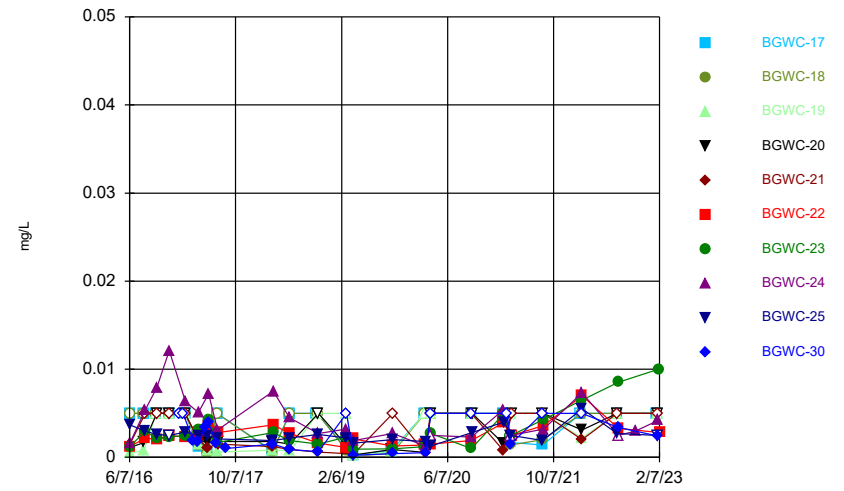
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### Time Series



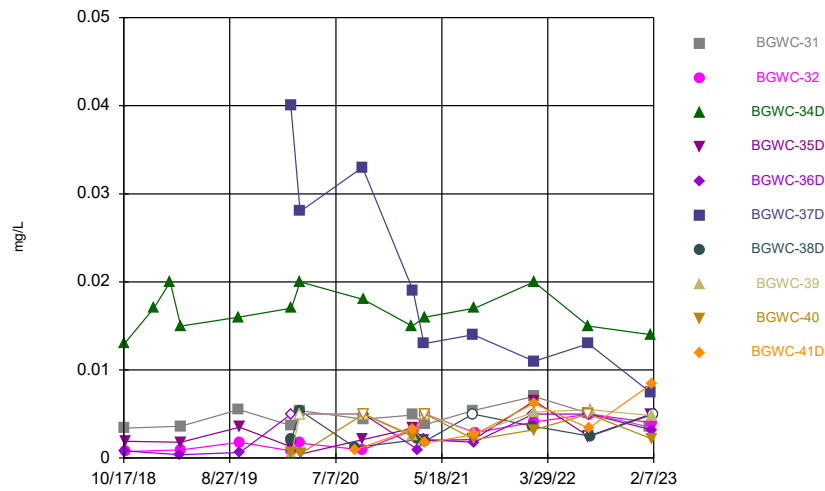
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



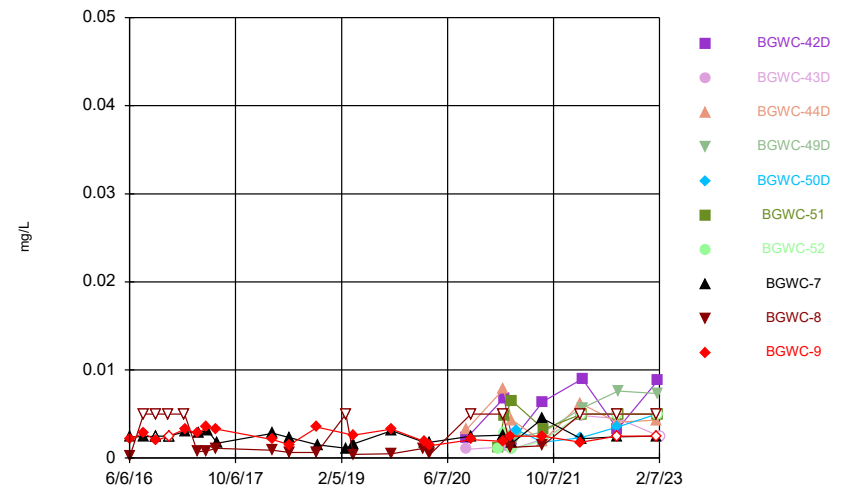
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



Constituent: Arsenic Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

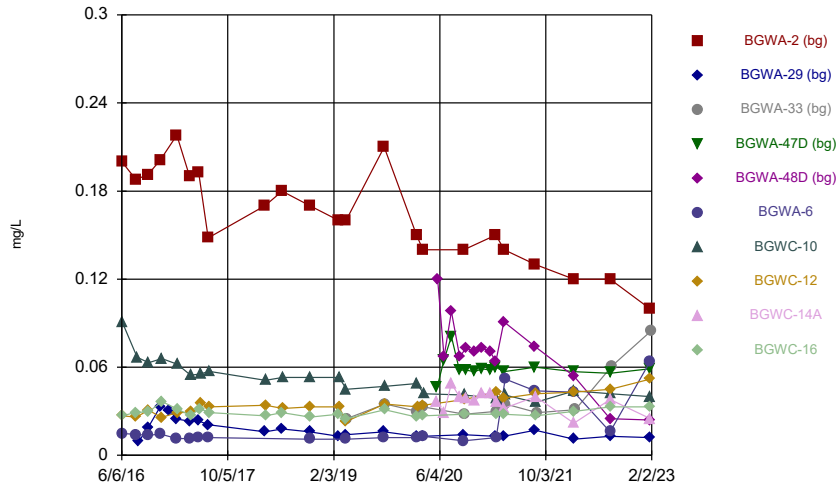
### Time Series



Constituent: Arsenic Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

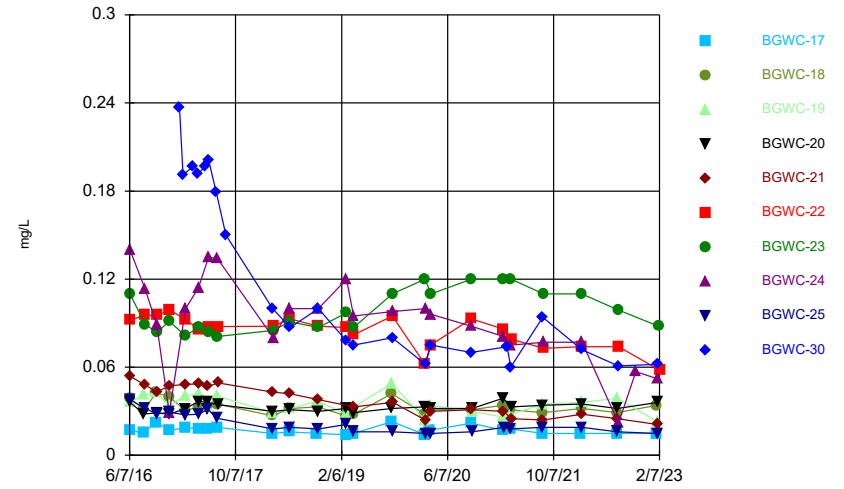


### Time Series



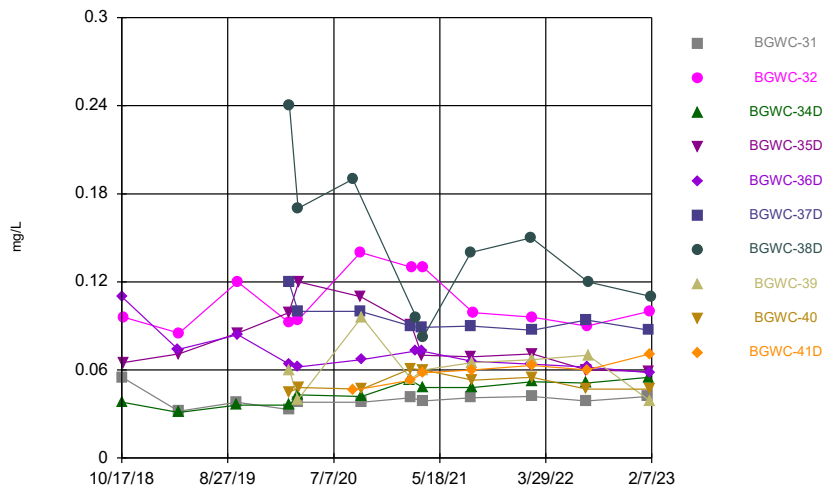
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



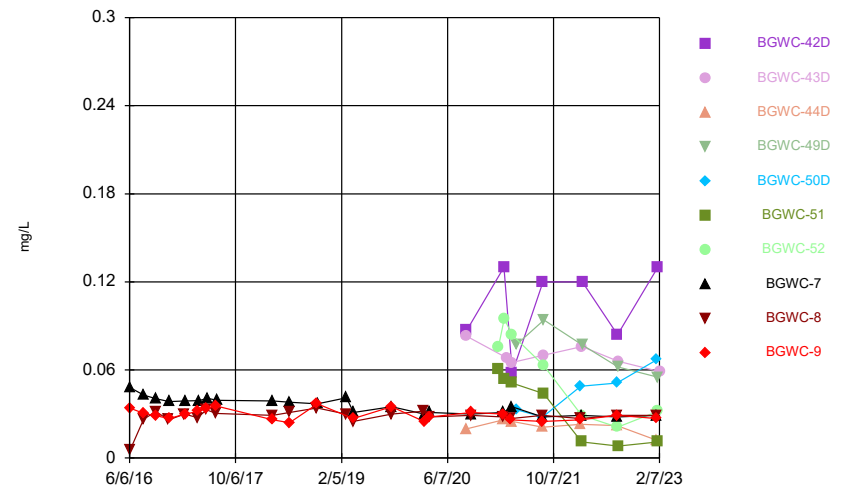
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



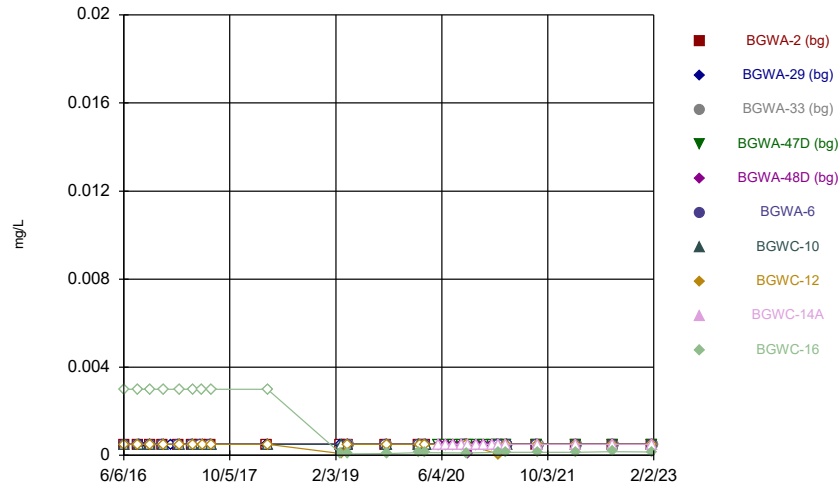
Constituent: Barium Analysis Run 5/25/2023 11:45 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



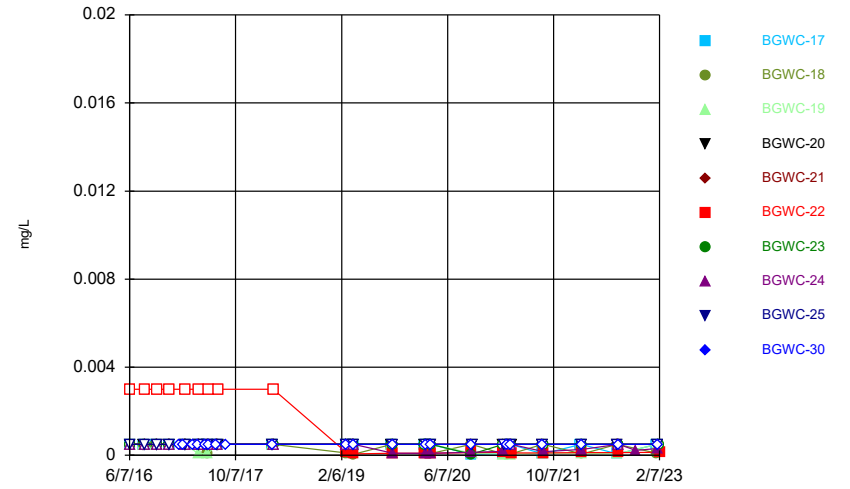
Constituent: Barium Analysis Run 5/25/2023 11:45 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



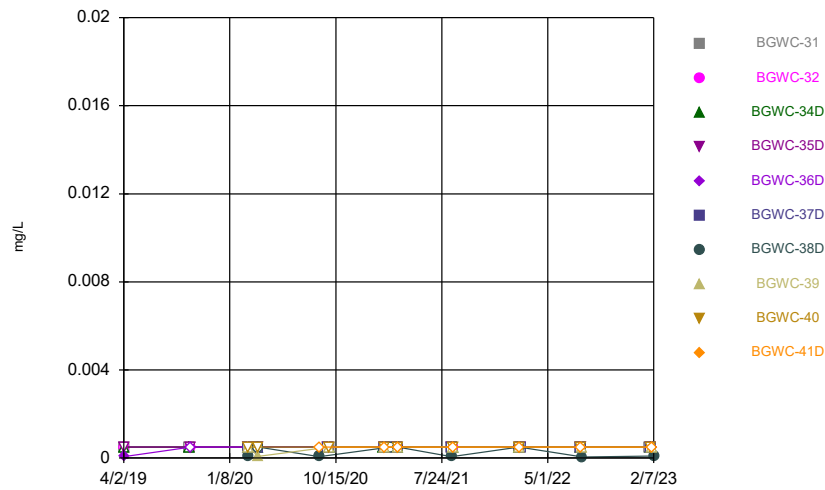
Constituent: Beryllium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



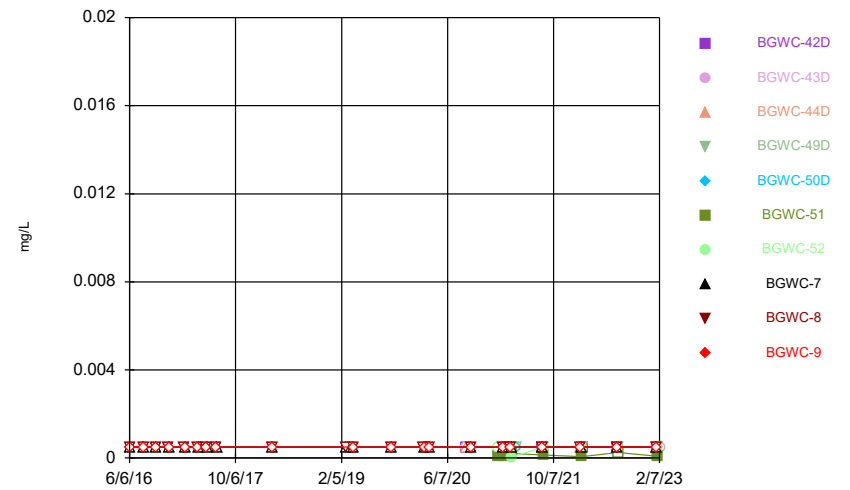
Constituent: Beryllium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



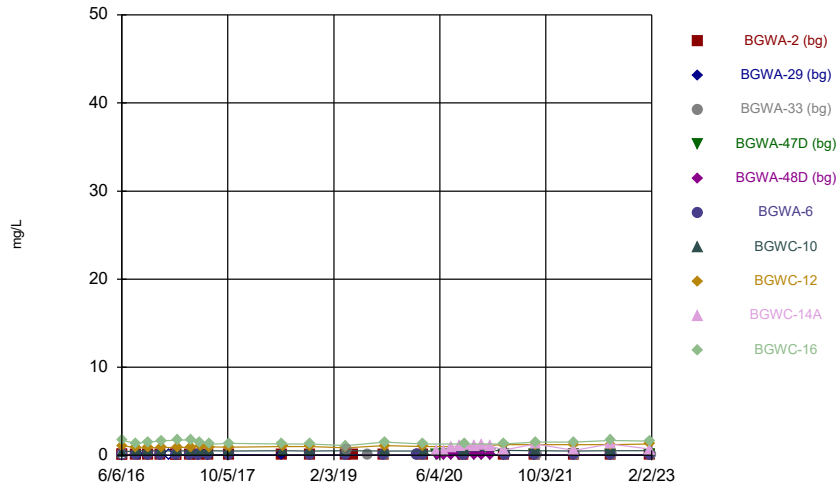
Constituent: Beryllium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series

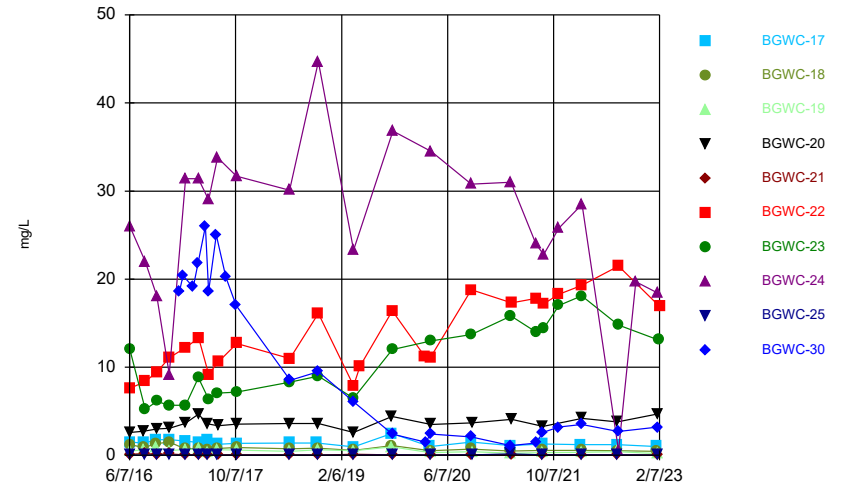


Constituent: Beryllium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

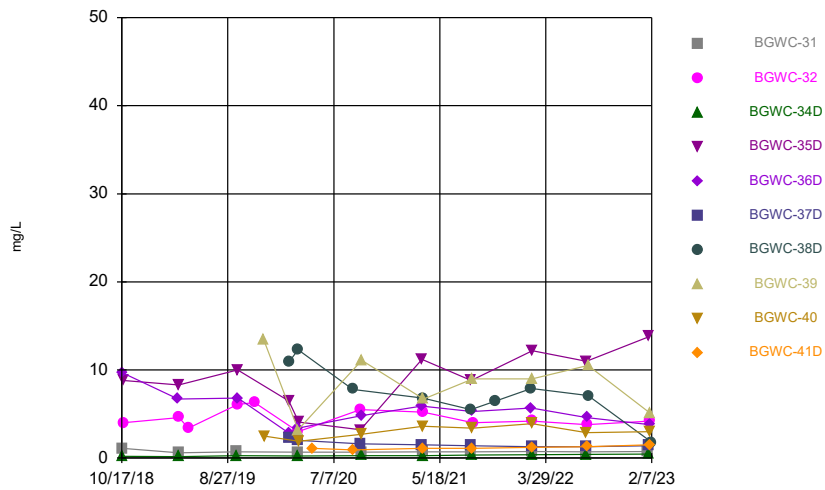
### Time Series



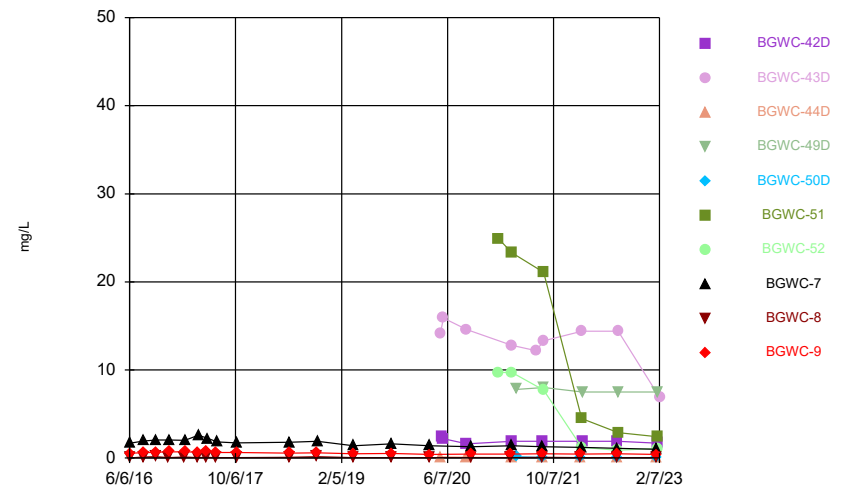
### Time Series



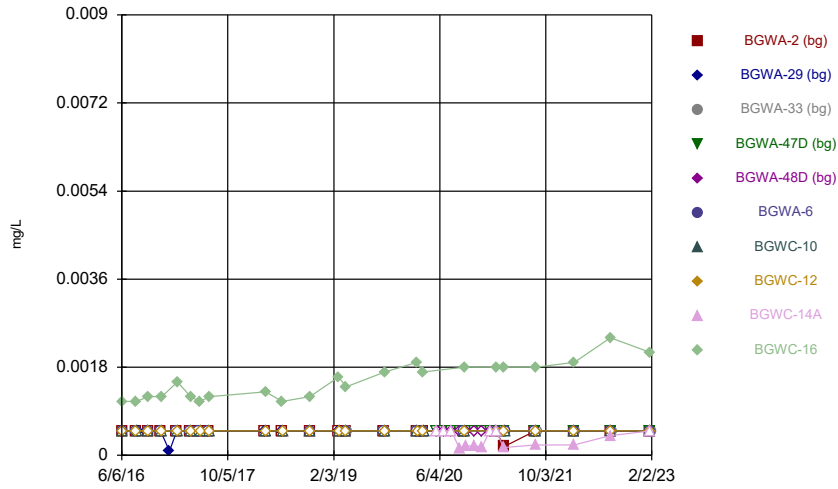
### Time Series



### Time Series

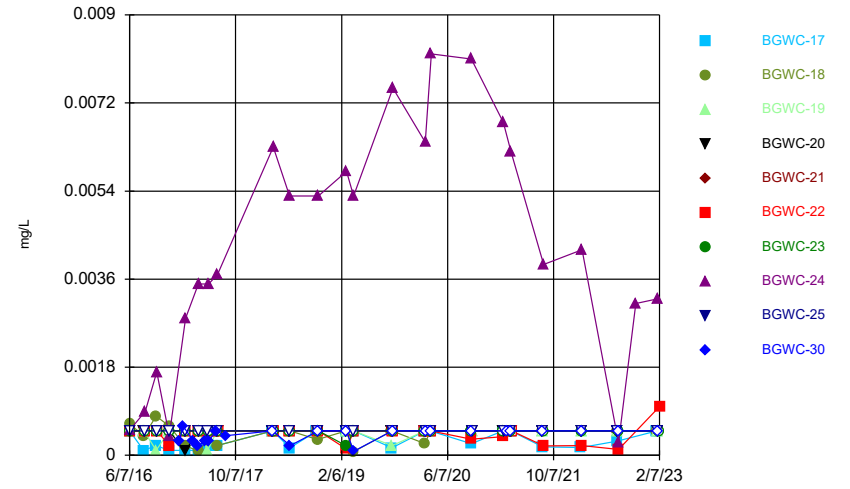


Time Series



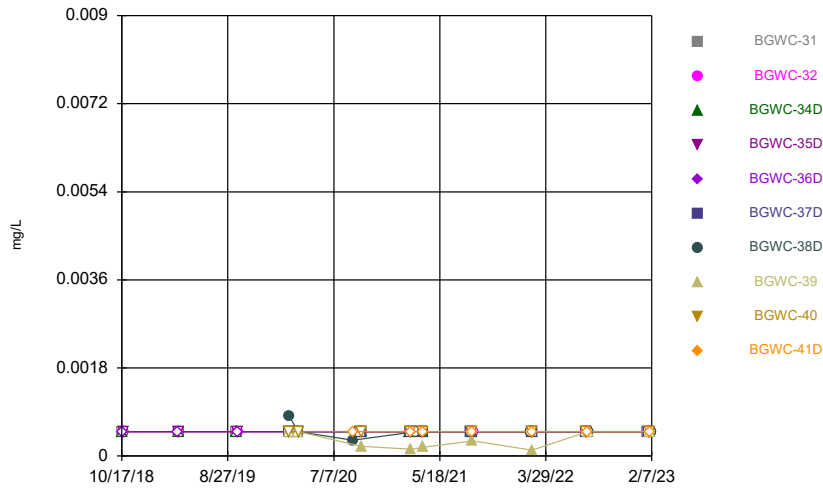
Constituent: Cadmium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



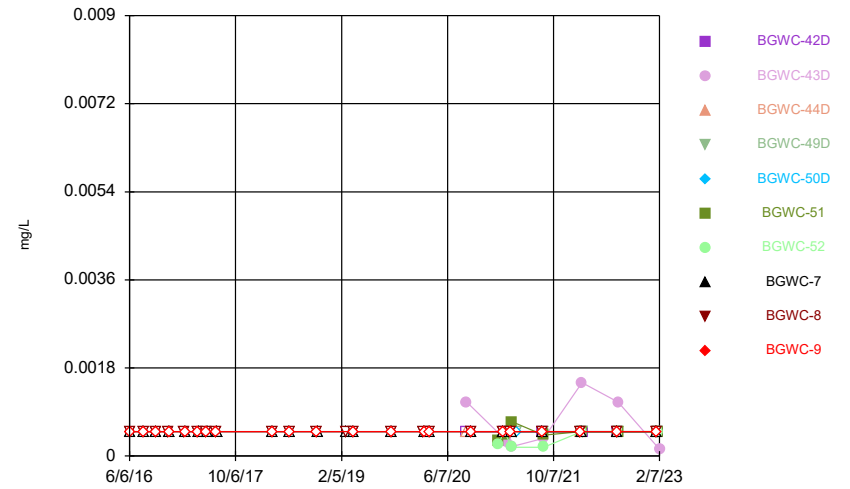
Constituent: Cadmium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



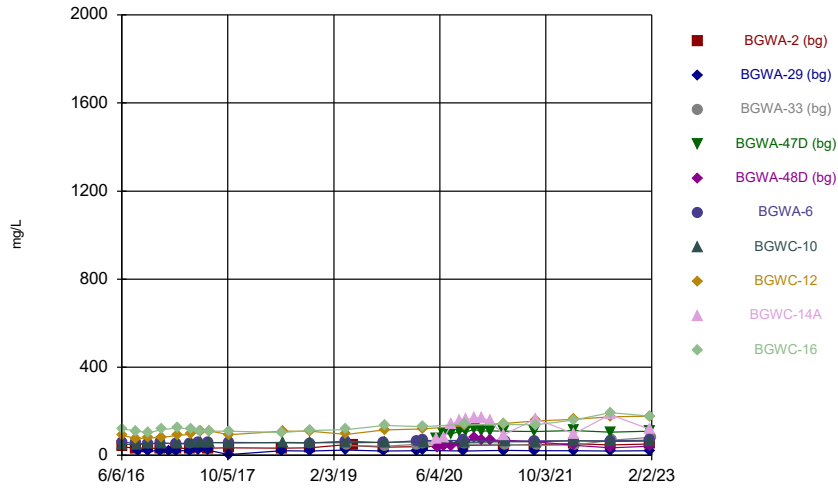
Constituent: Cadmium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



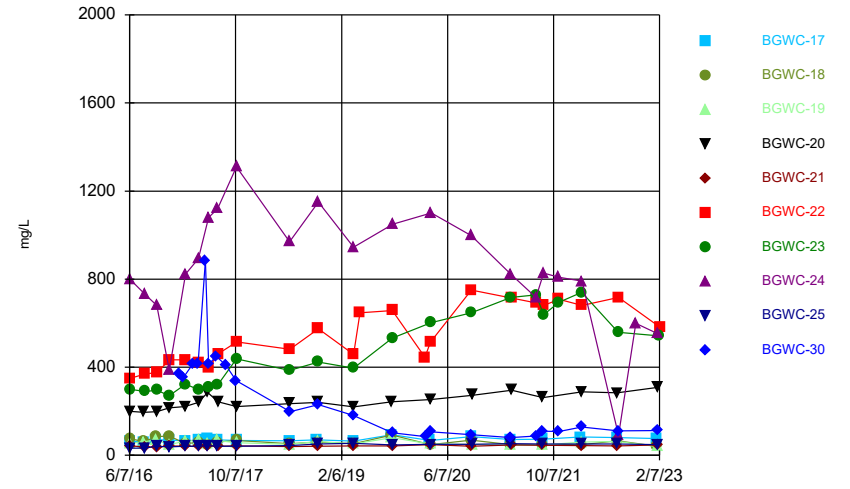
Constituent: Cadmium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



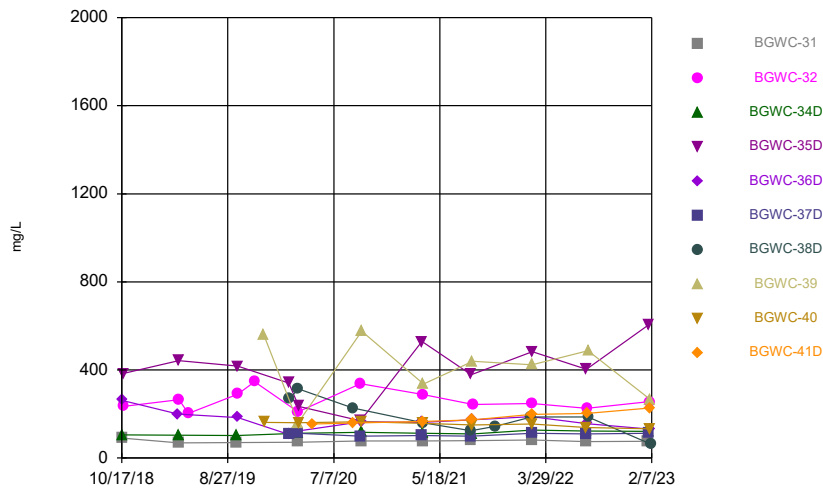
Constituent: Calcium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



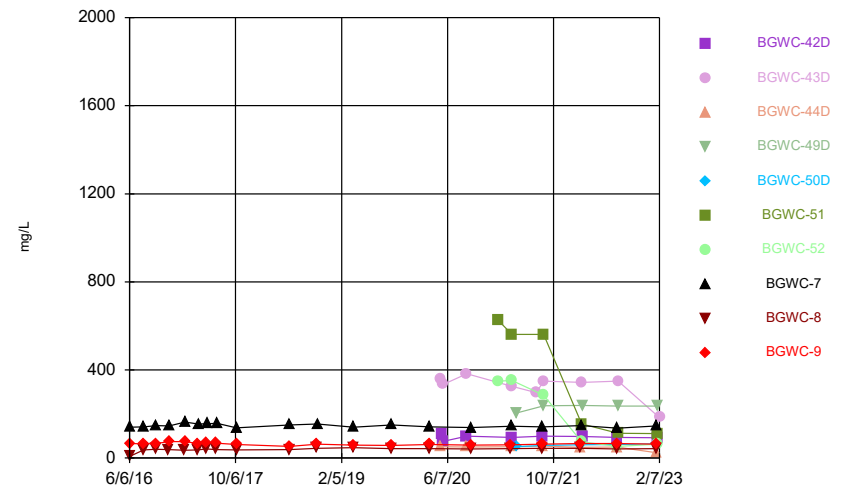
Constituent: Calcium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



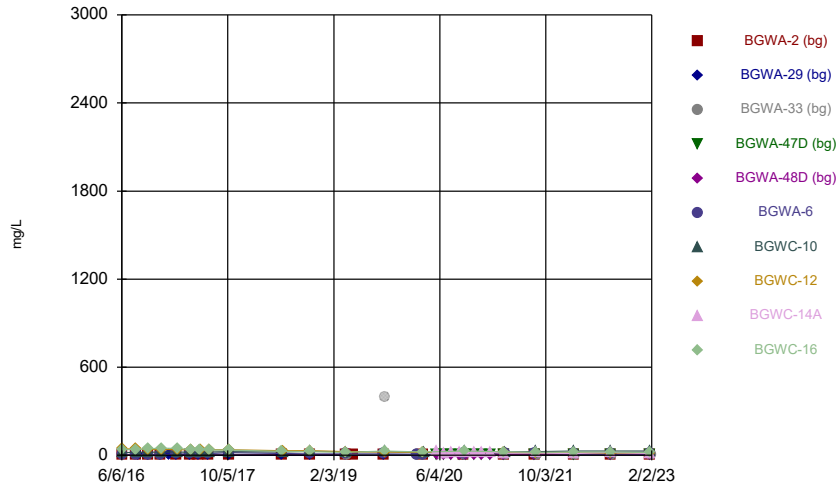
Constituent: Calcium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



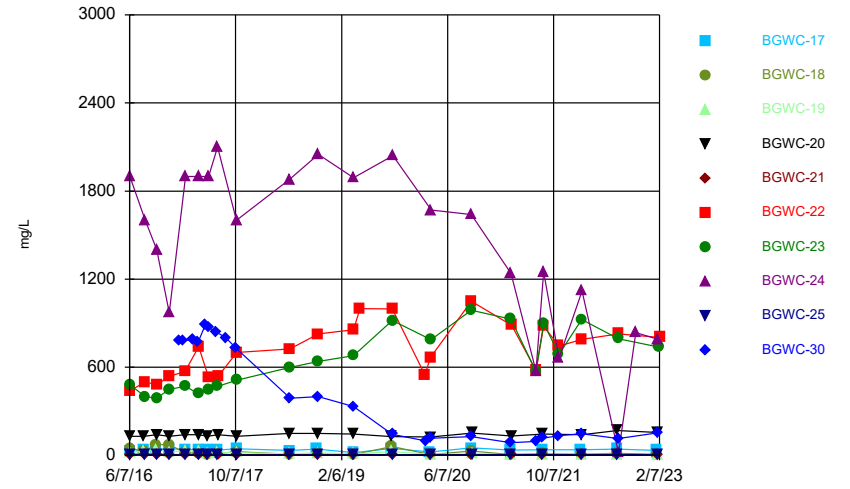
Constituent: Calcium Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



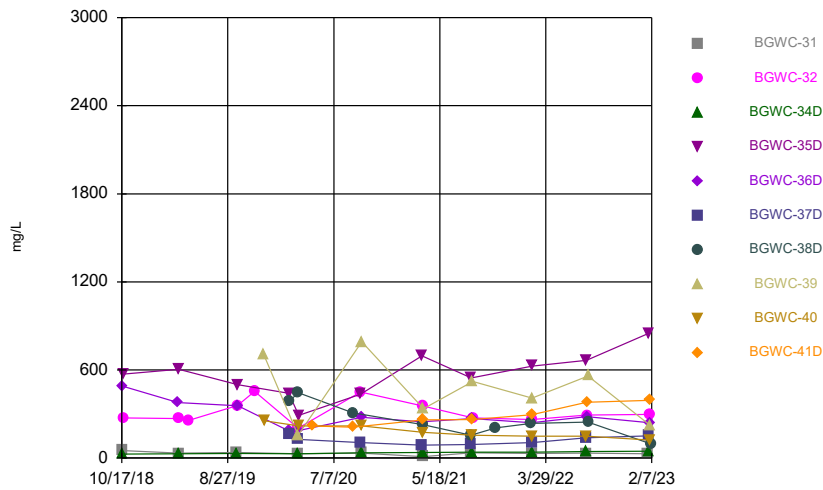
Constituent: Chloride Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



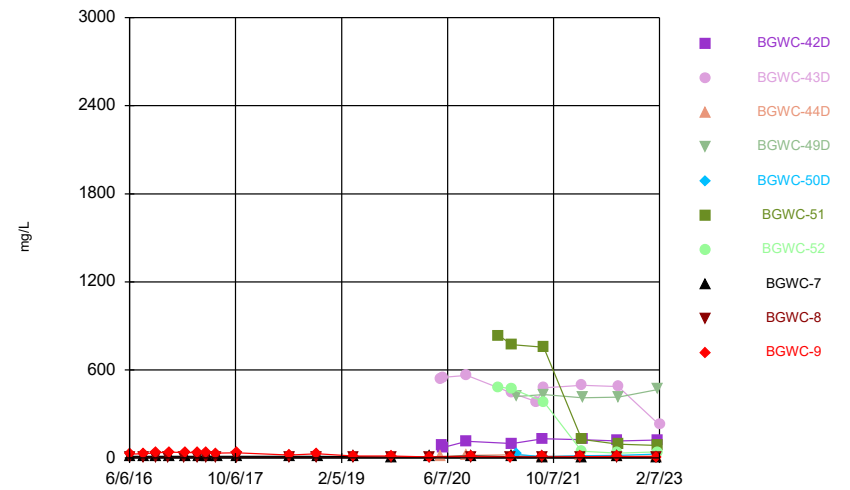
Constituent: Chloride Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



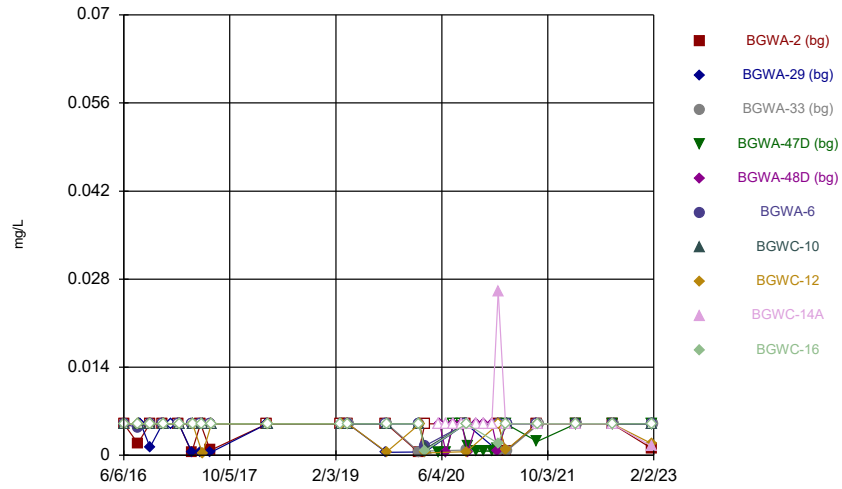
Constituent: Chloride Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



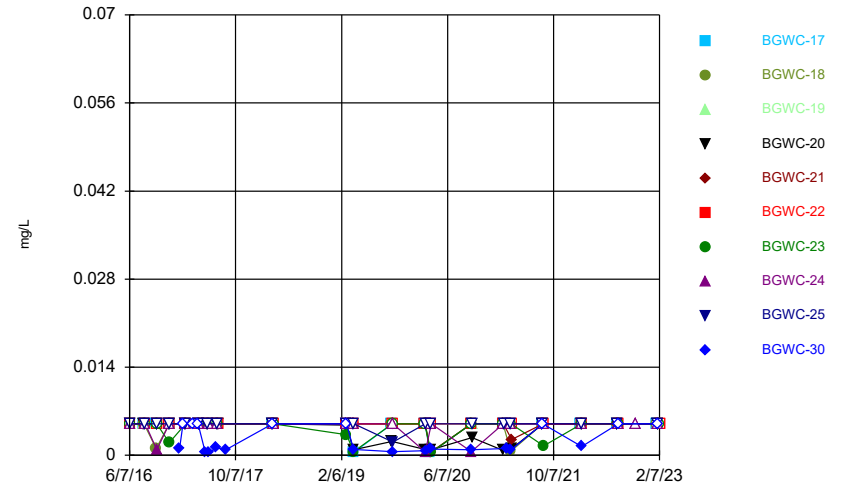
Constituent: Chloride Analysis Run 5/25/2023 11:45 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



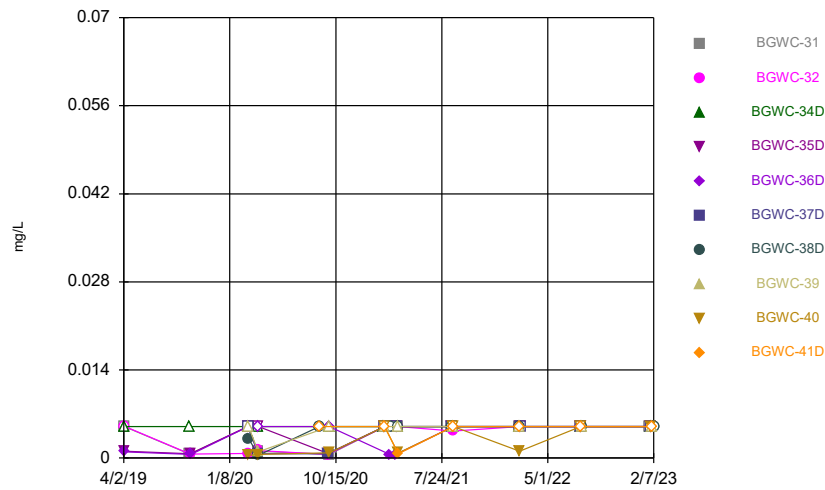
Constituent: Chromium Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



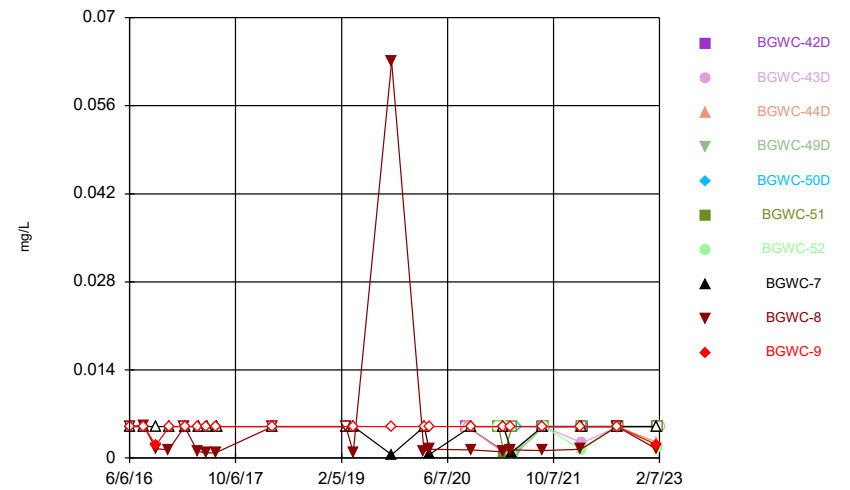
Constituent: Chromium Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



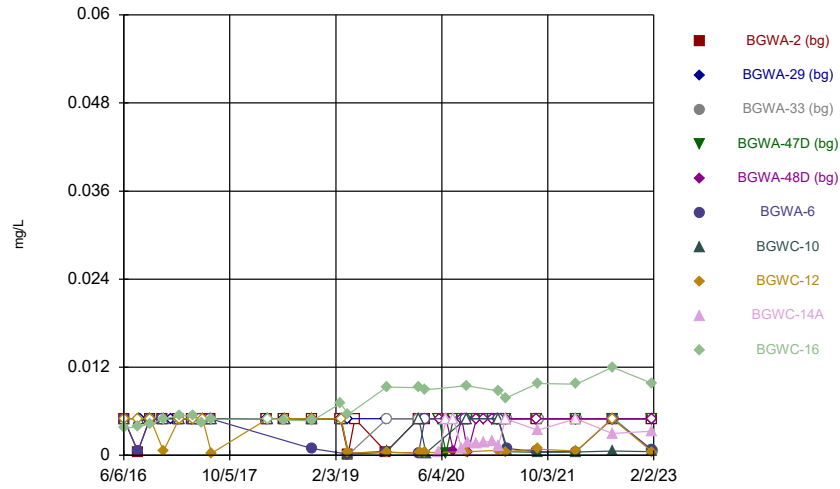
Constituent: Chromium Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



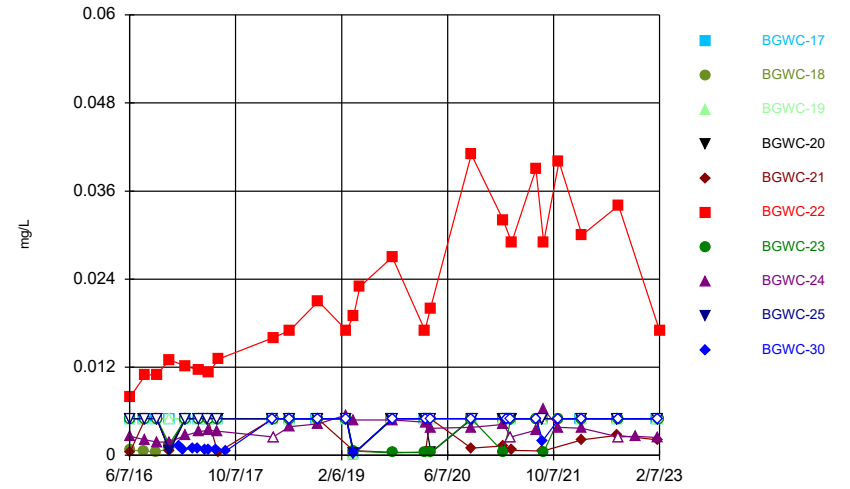
Constituent: Chromium Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



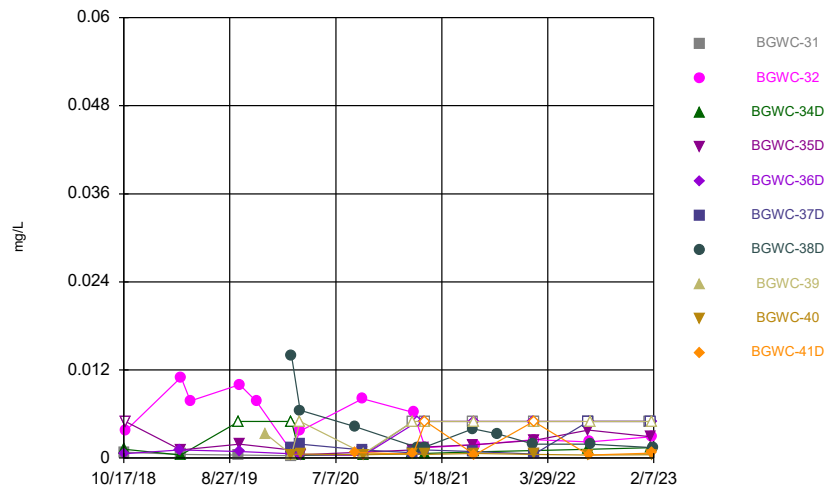
Constituent: Cobalt Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



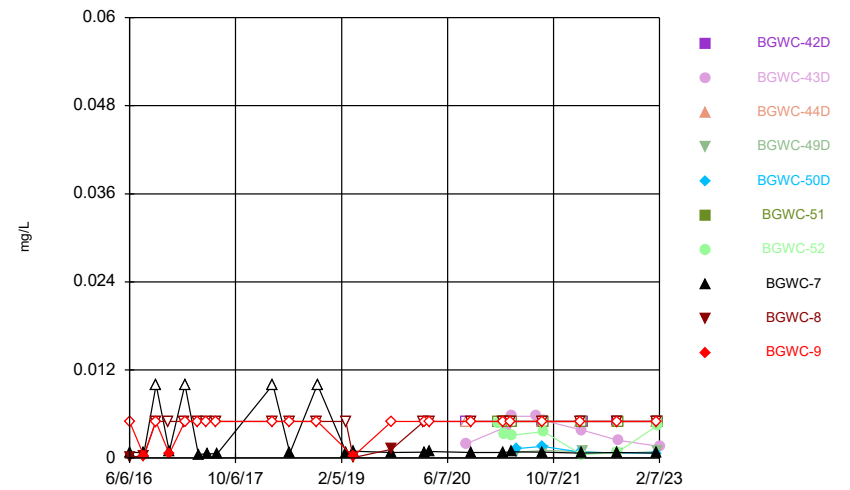
Constituent: Cobalt Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



Constituent: Cobalt Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

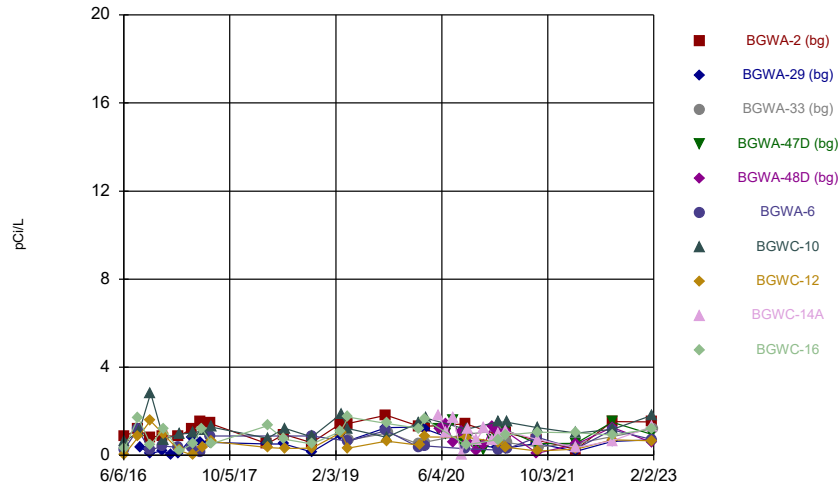
### Time Series



Constituent: Cobalt Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

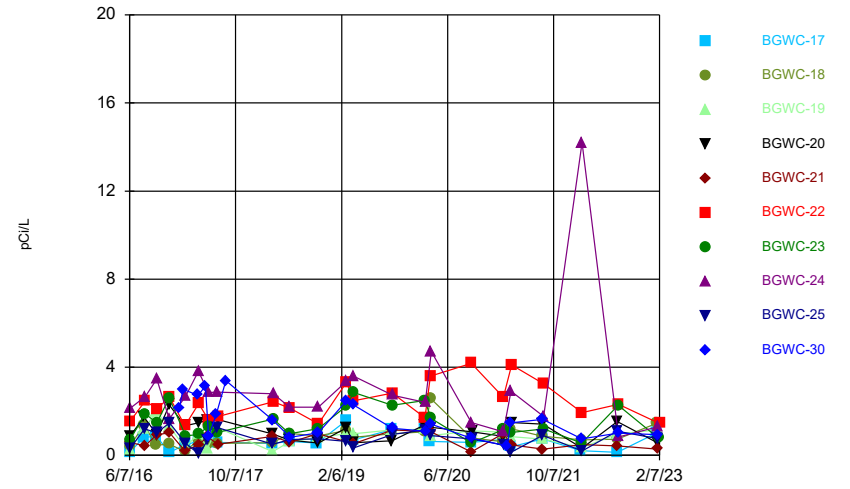


### Time Series



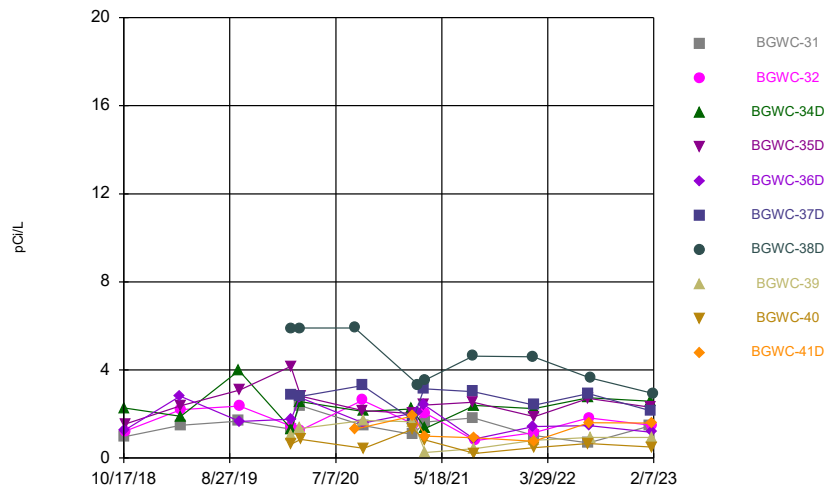
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:46 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



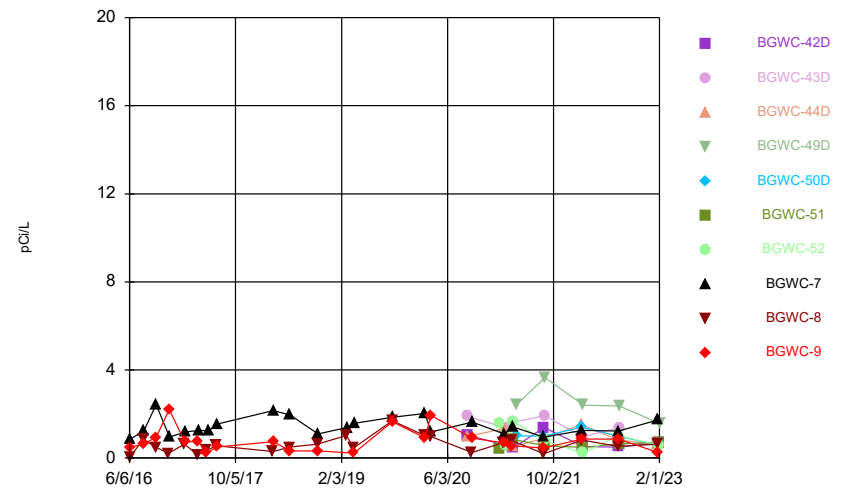
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:46 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



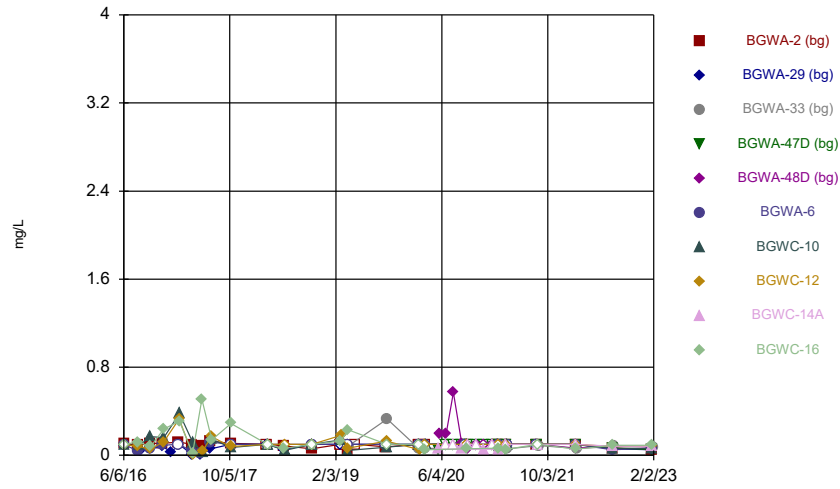
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:46 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



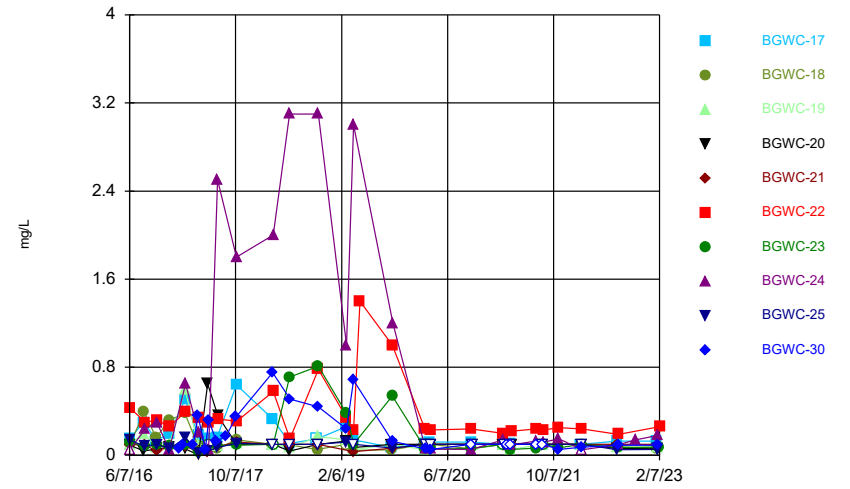
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



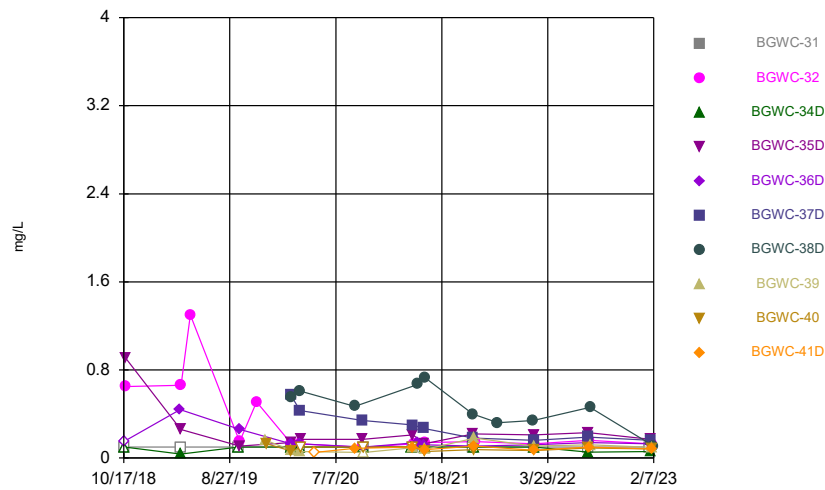
Constituent: Fluoride Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



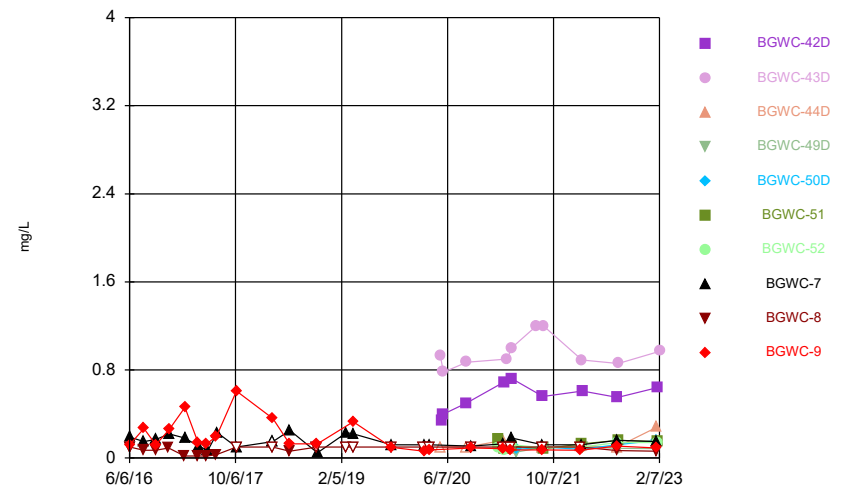
Constituent: Fluoride Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



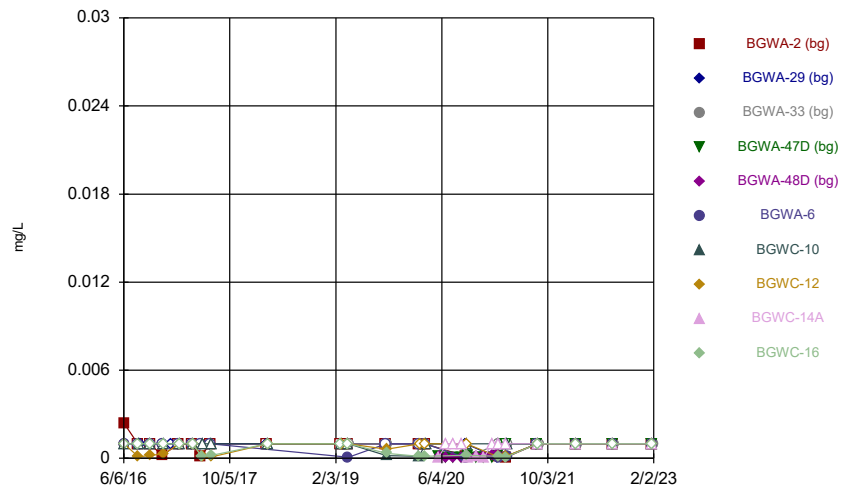
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



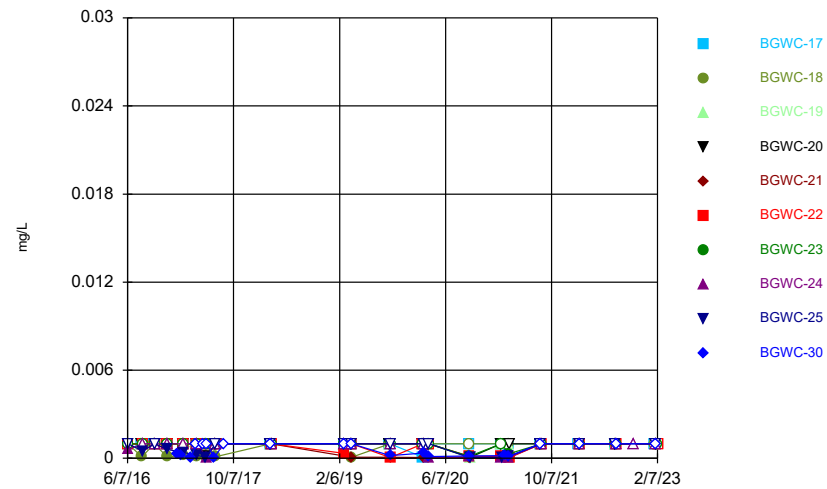
Constituent: Fluoride Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



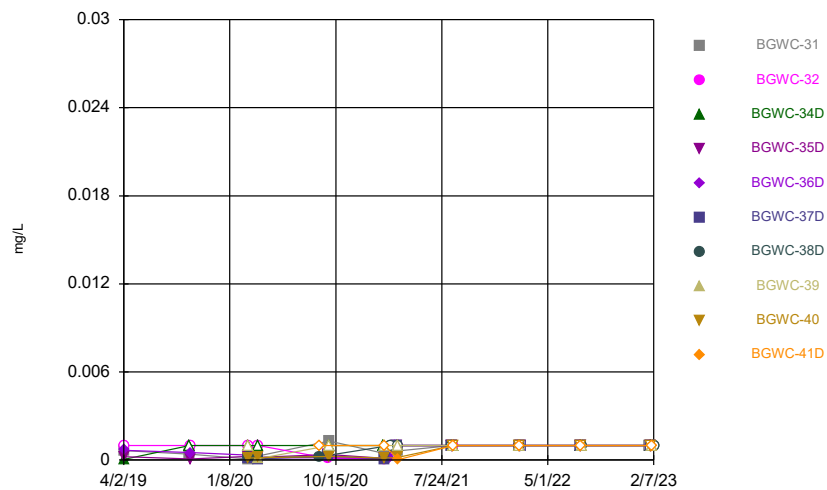
Constituent: Lead Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



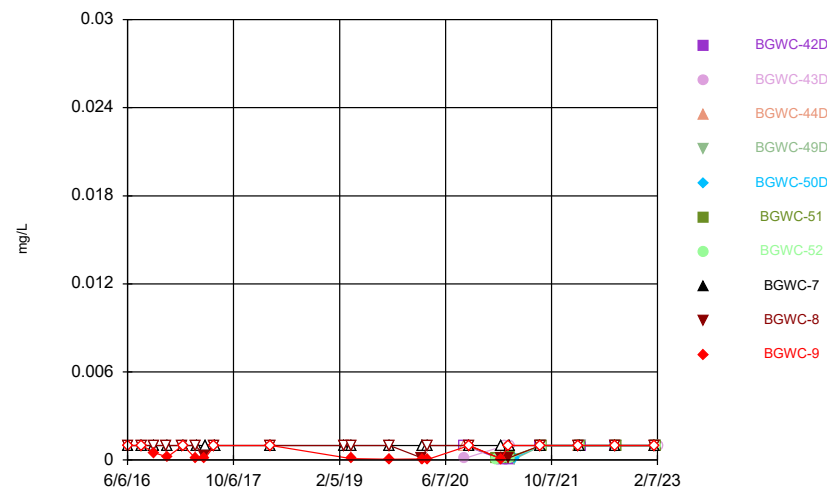
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



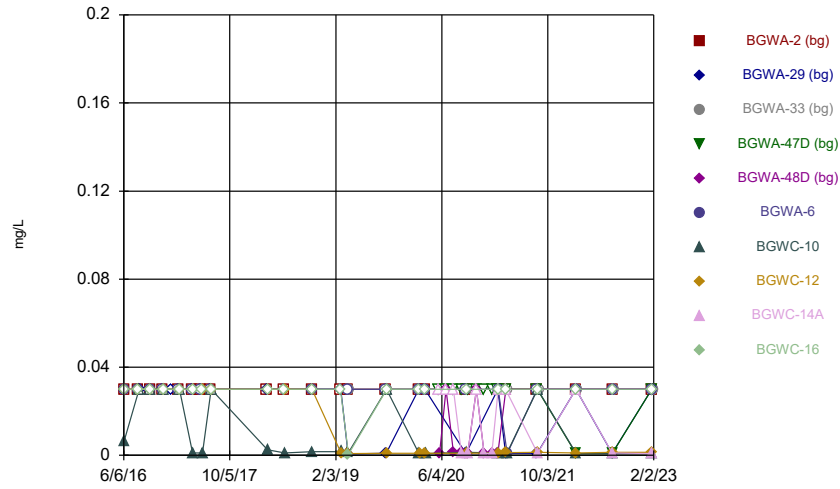
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



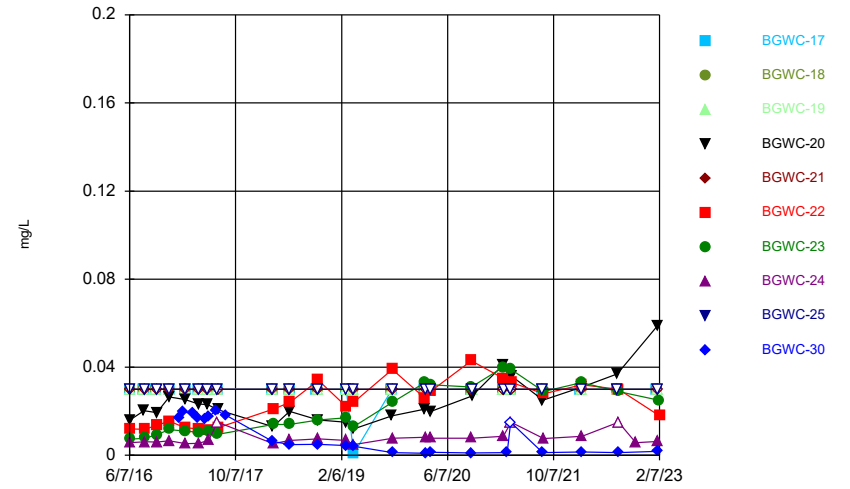
Constituent: Lead Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



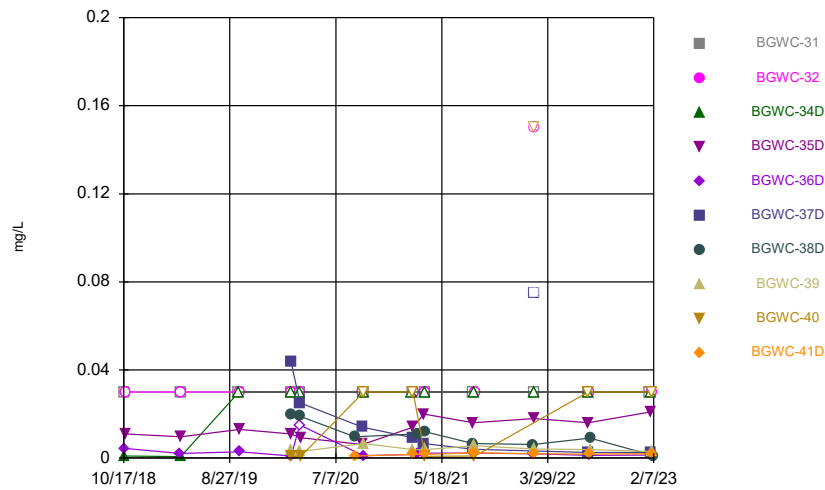
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



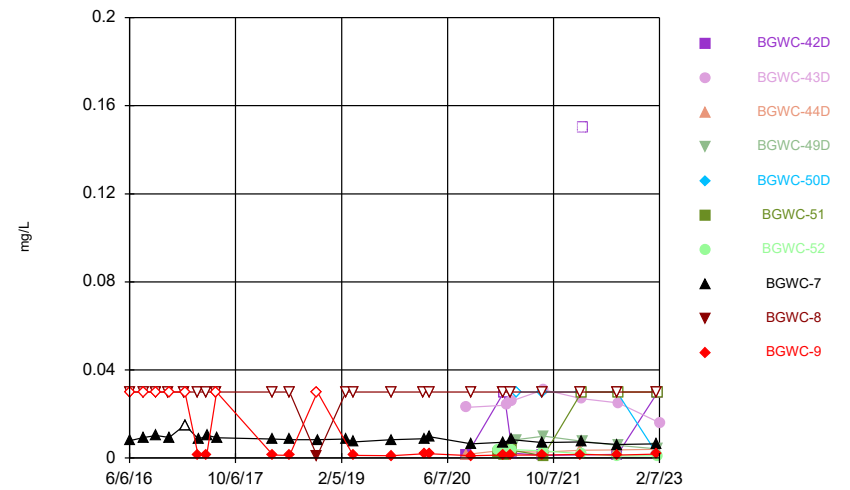
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



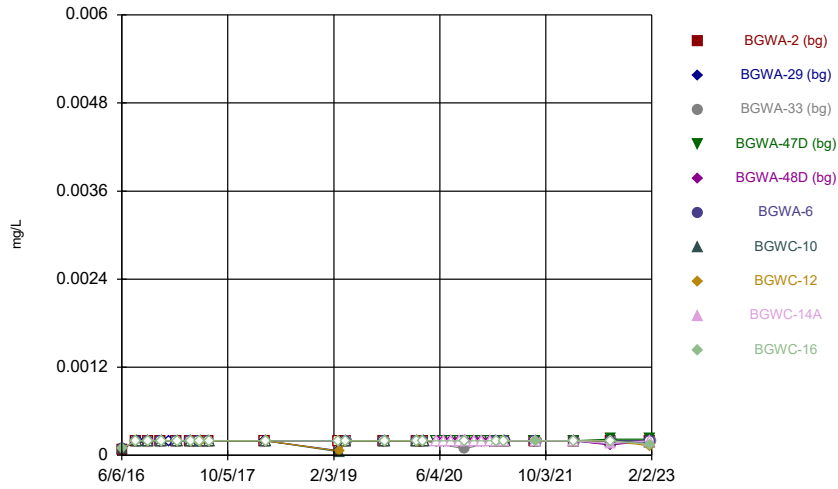
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



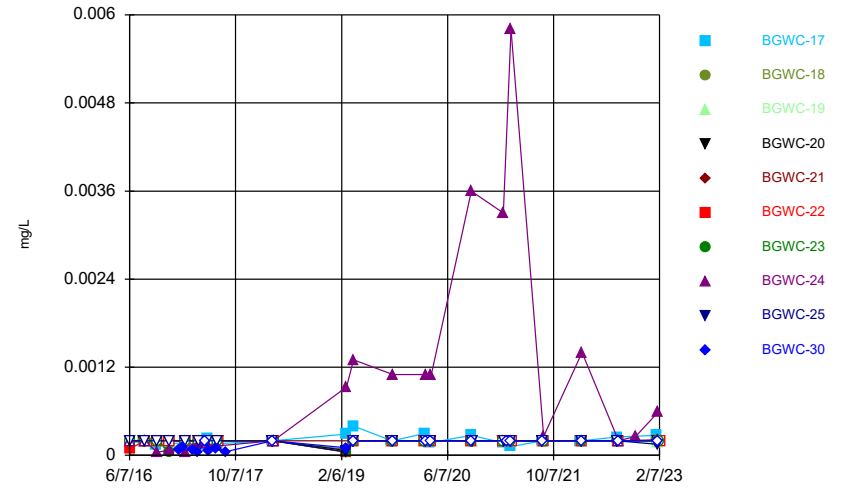
Constituent: Lithium Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



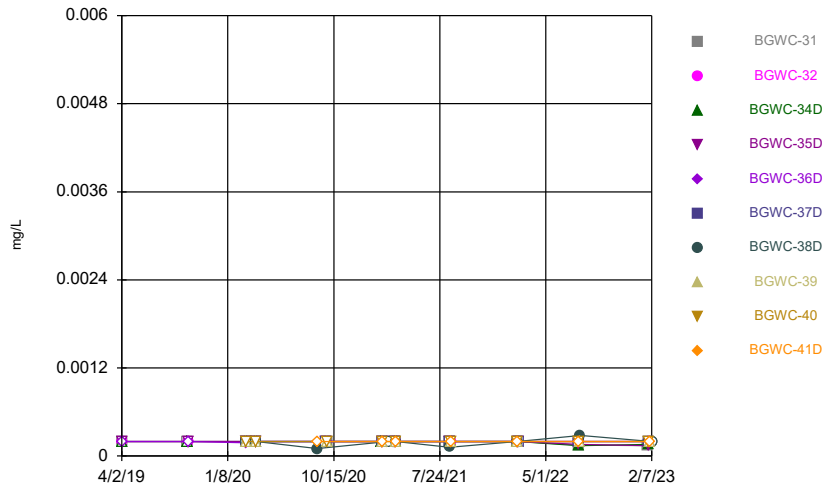
Constituent: Mercury Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



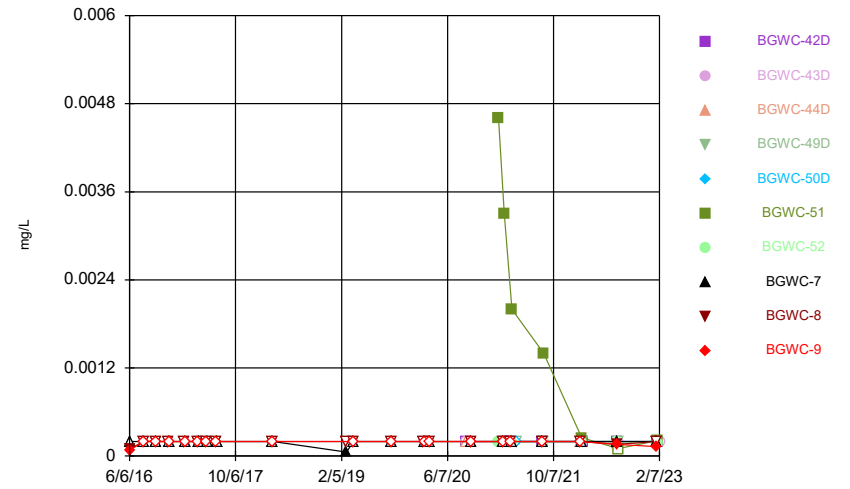
Constituent: Mercury Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



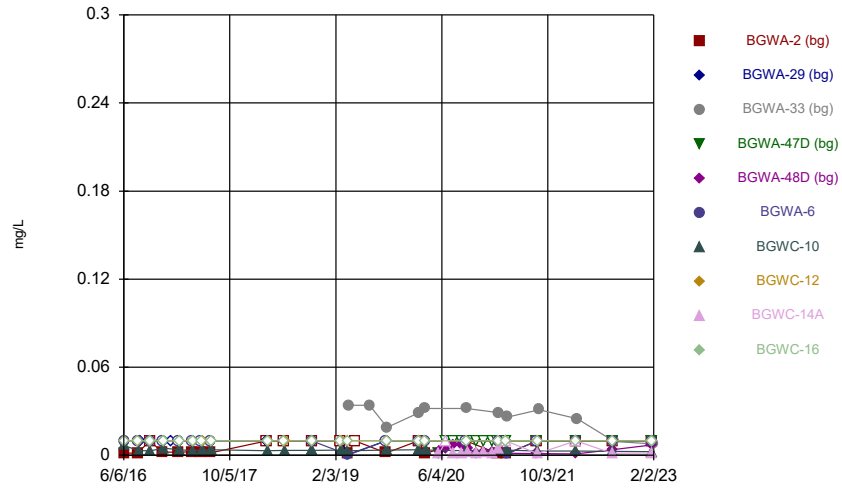
Constituent: Mercury Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



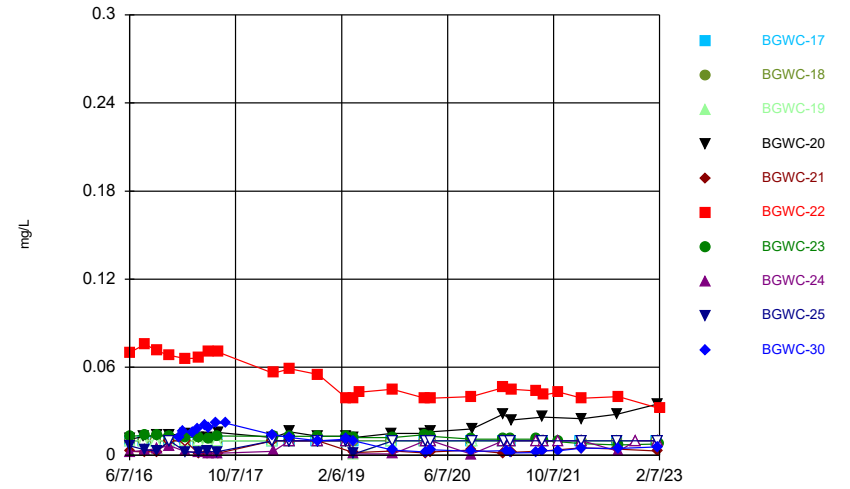
Constituent: Mercury Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



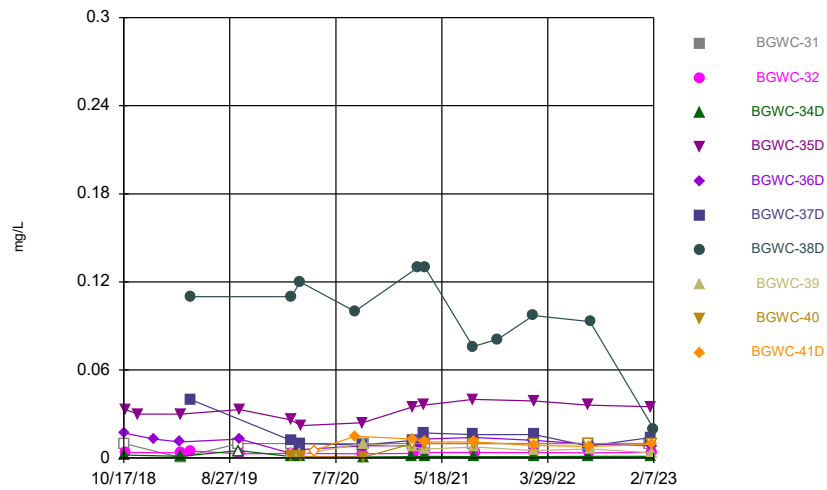
Constituent: Molybdenum Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



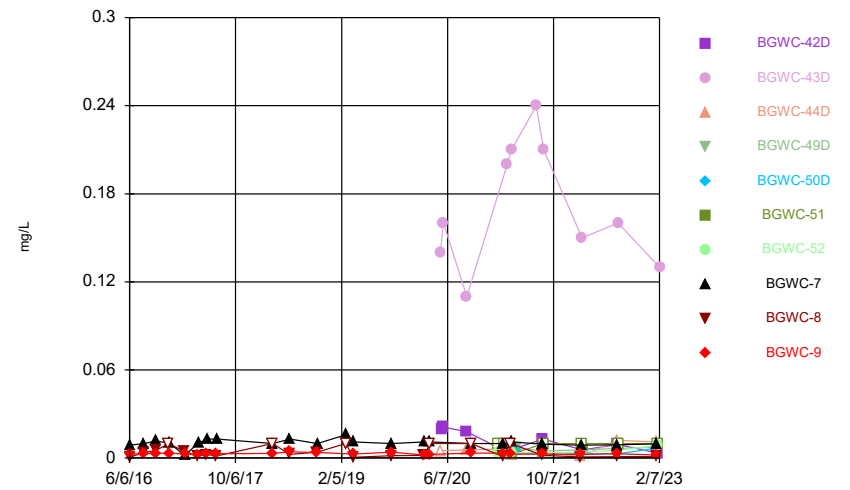
Constituent: Molybdenum Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



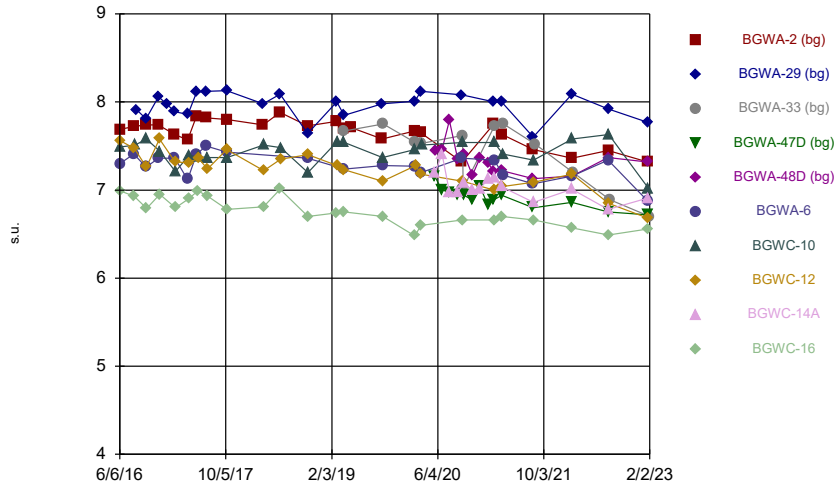
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



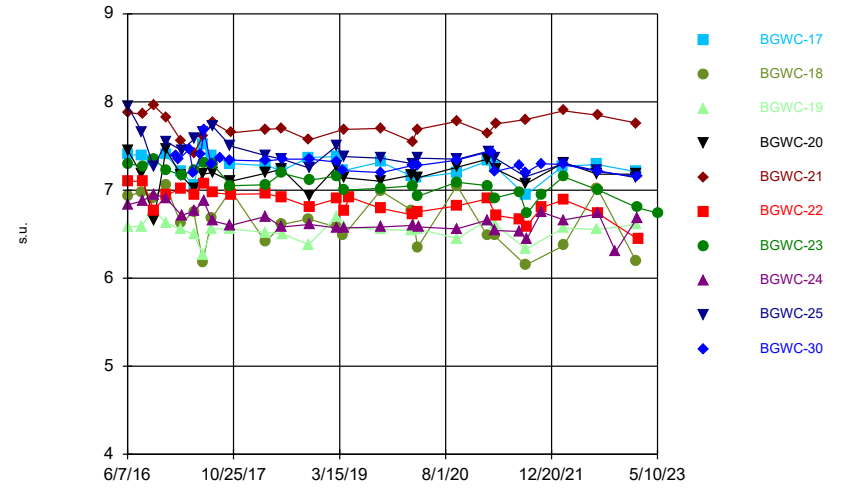
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



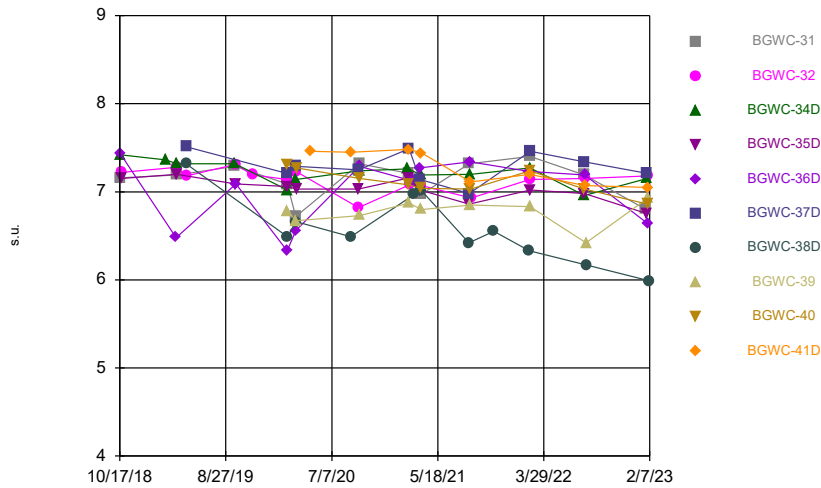
Constituent: pH Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



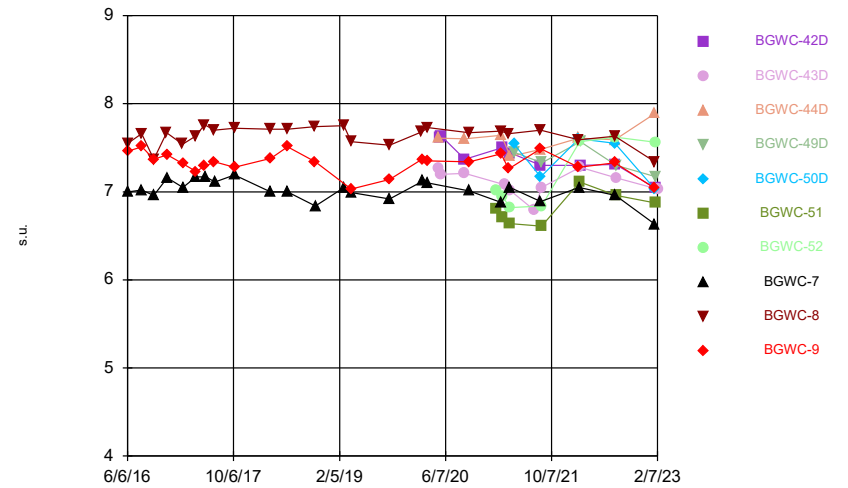
Constituent: pH Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



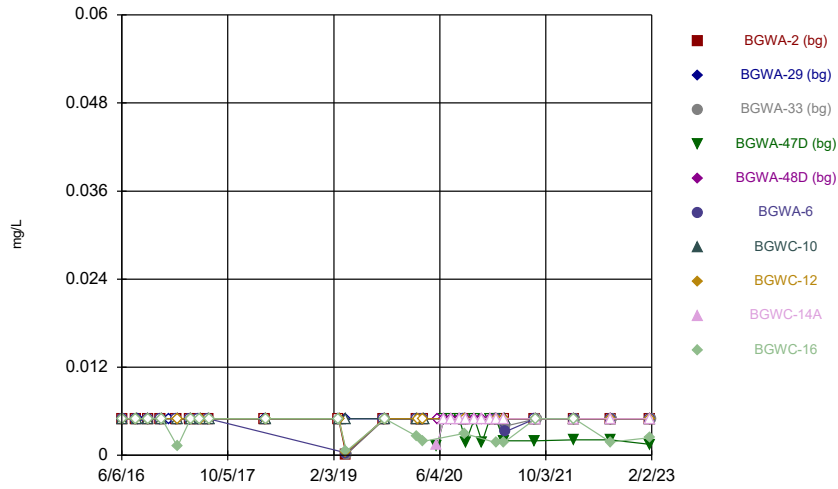
Constituent: pH Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



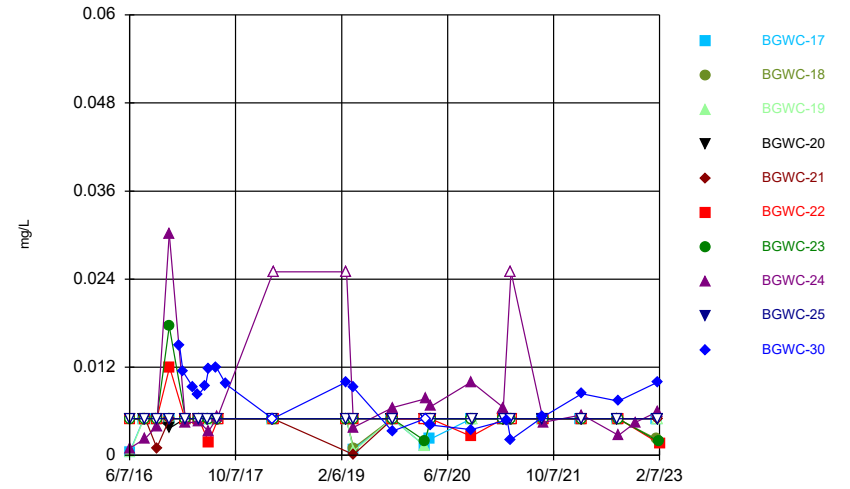
Constituent: pH Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



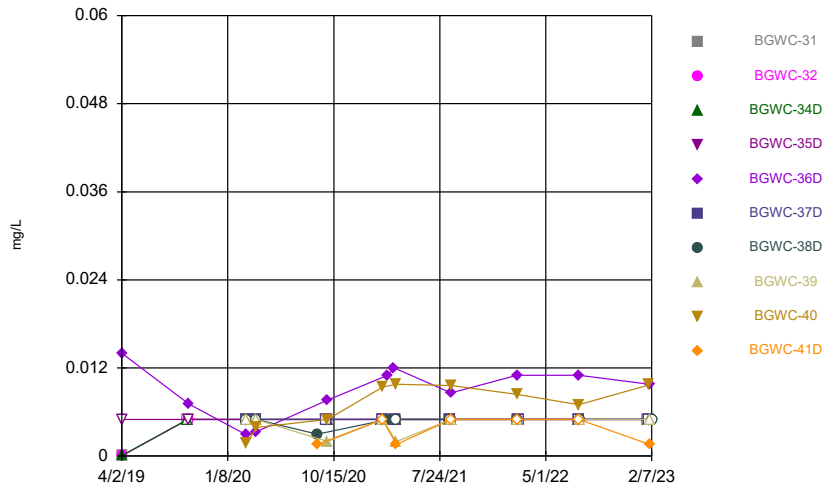
Constituent: Selenite Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



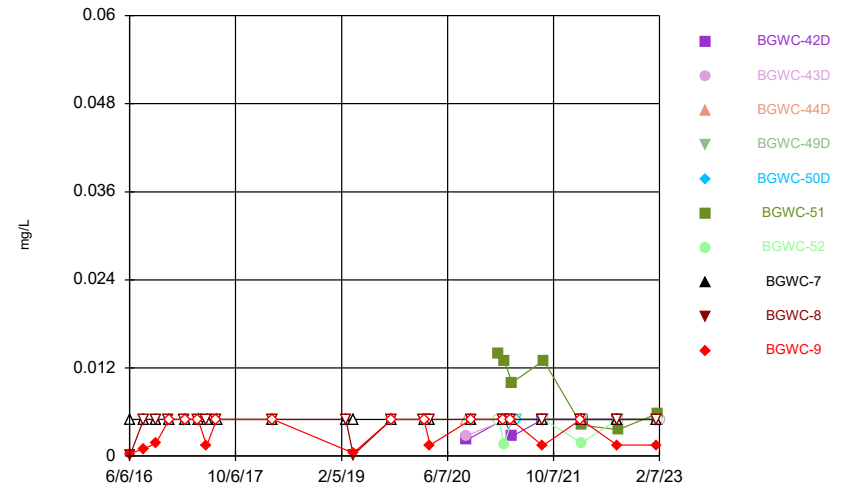
Constituent: Selenite Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



Constituent: Selenite Analysis Run 5/25/2023 11:46 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

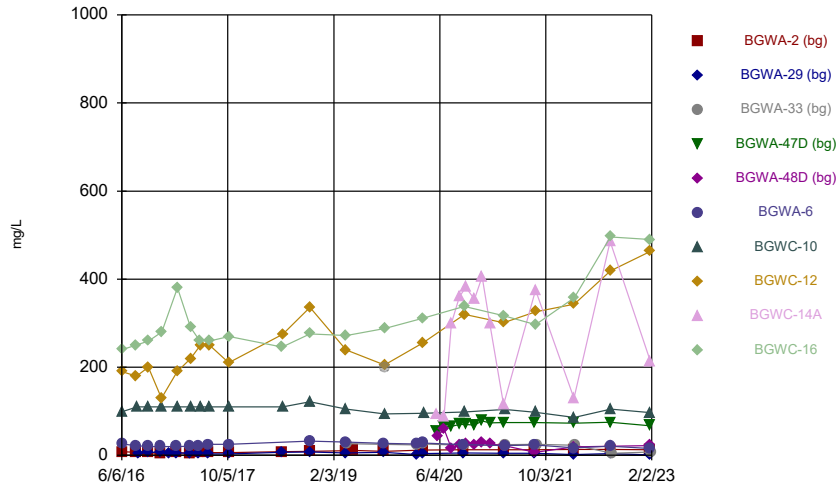
Time Series



Constituent: Selenite Analysis Run 5/25/2023 11:47 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

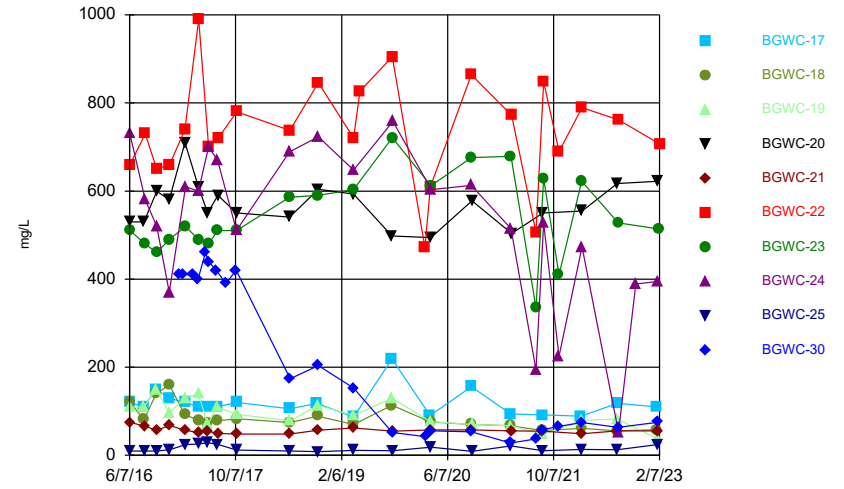


### Time Series



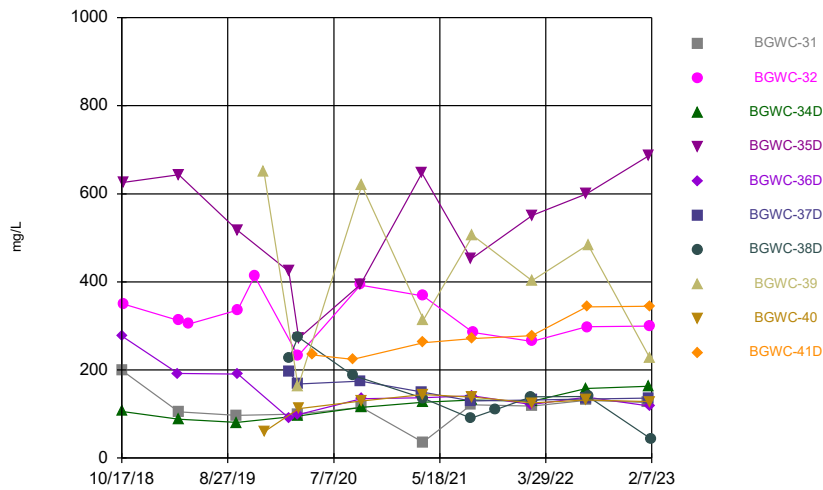
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



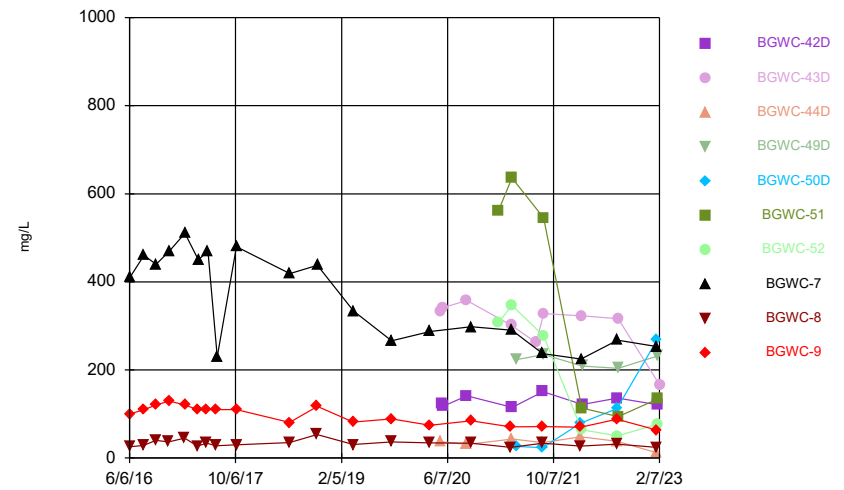
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### Time Series



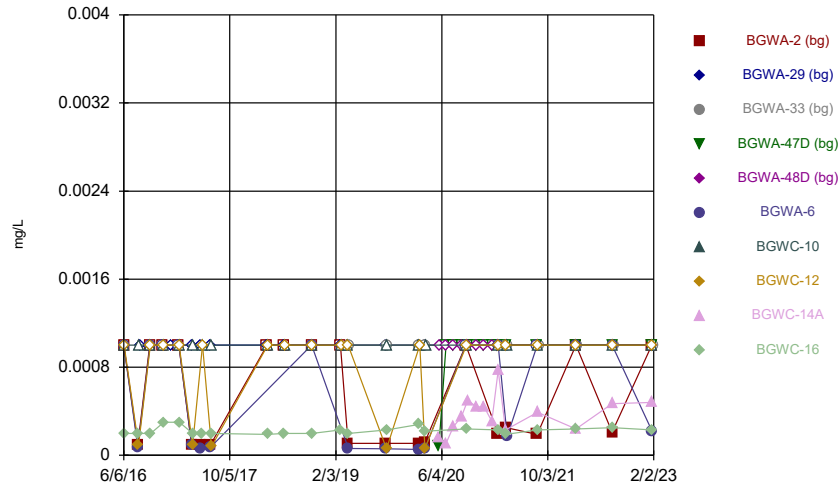
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



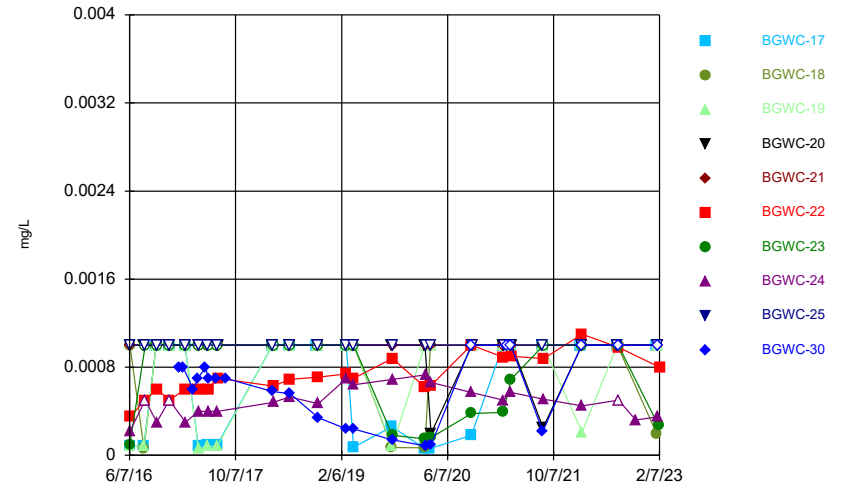
Constituent: Sulfate Analysis Run 5/25/2023 11:47 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



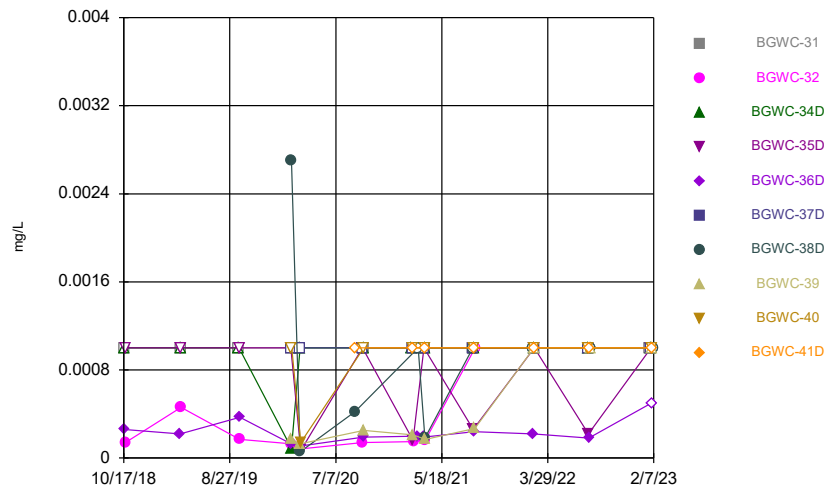
Constituent: Thallium Analysis Run 5/25/2023 11:47 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



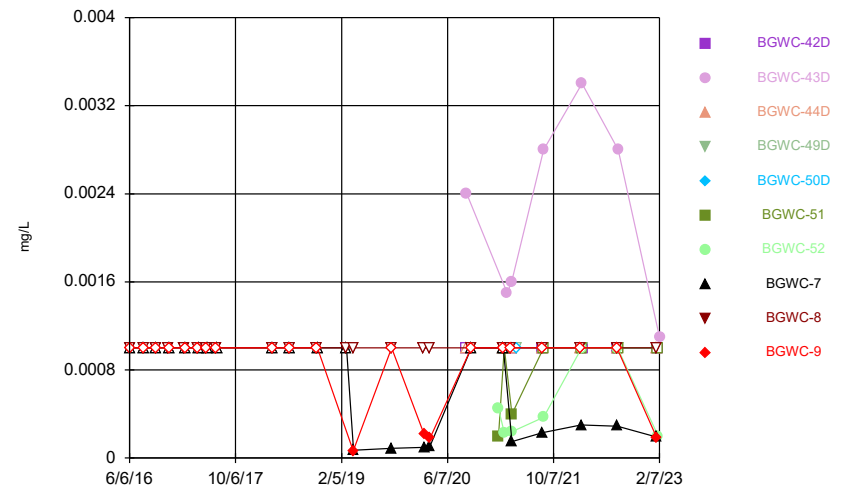
Constituent: Thallium Analysis Run 5/25/2023 11:47 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



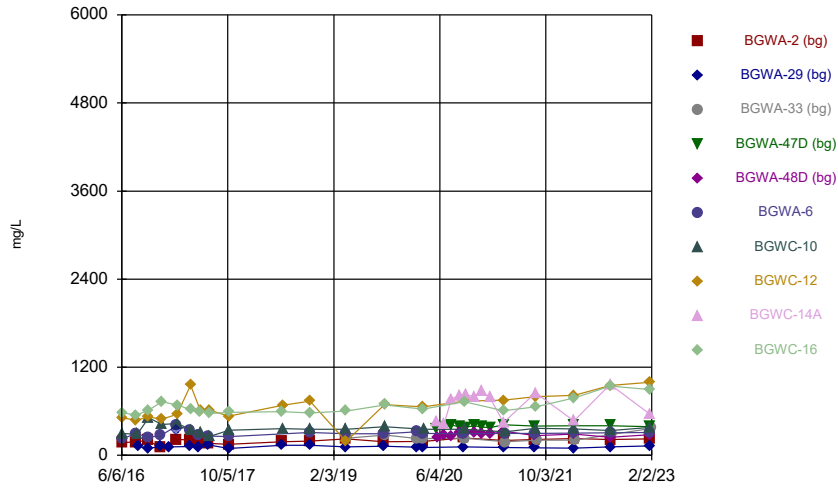
Constituent: Thallium Analysis Run 5/25/2023 11:47 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



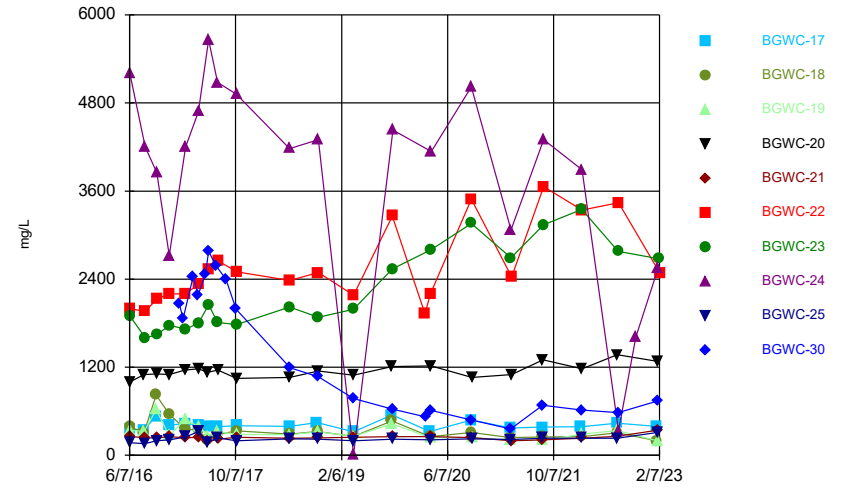
Constituent: Thallium Analysis Run 5/25/2023 11:47 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



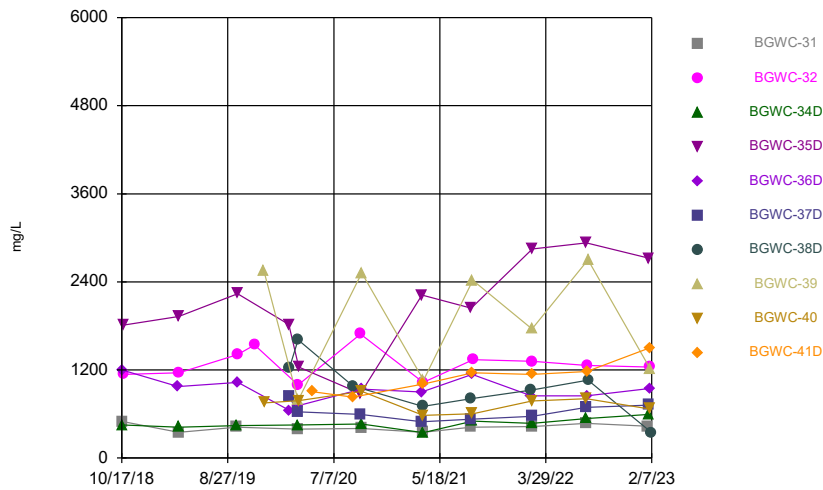
Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:47 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



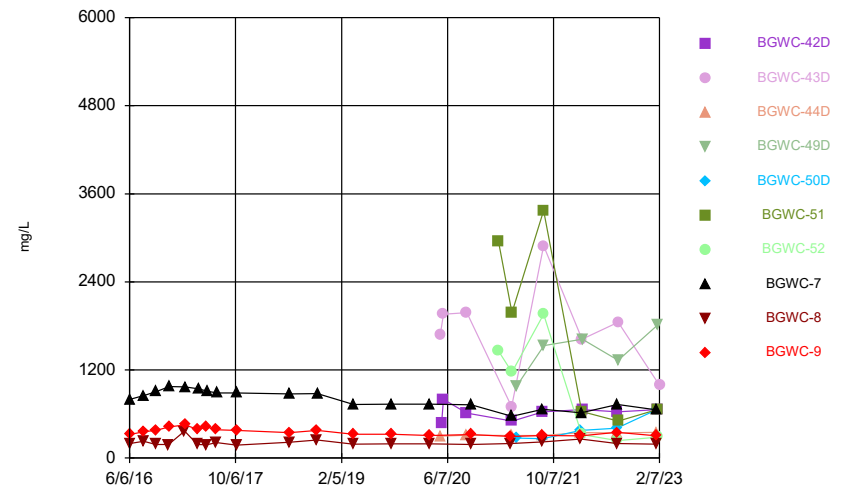
Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:47 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

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

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	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

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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

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	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

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	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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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	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

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	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

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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

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	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

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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

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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

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	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

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	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

Date	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

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	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

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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

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	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

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	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

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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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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	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

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	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

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	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

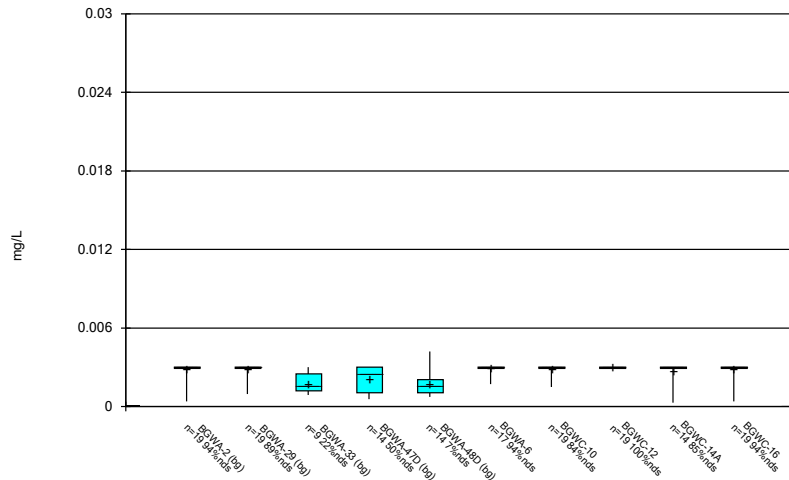
Constituent: Total Dissolved Solids (mg/L) Analysis Run 5/25/2023 11:49 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

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	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	

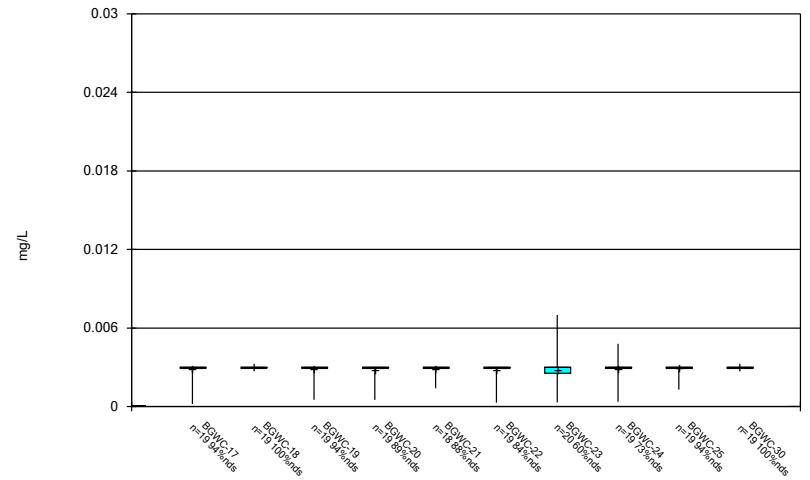
FIGURE B.

### Box & Whiskers Plot



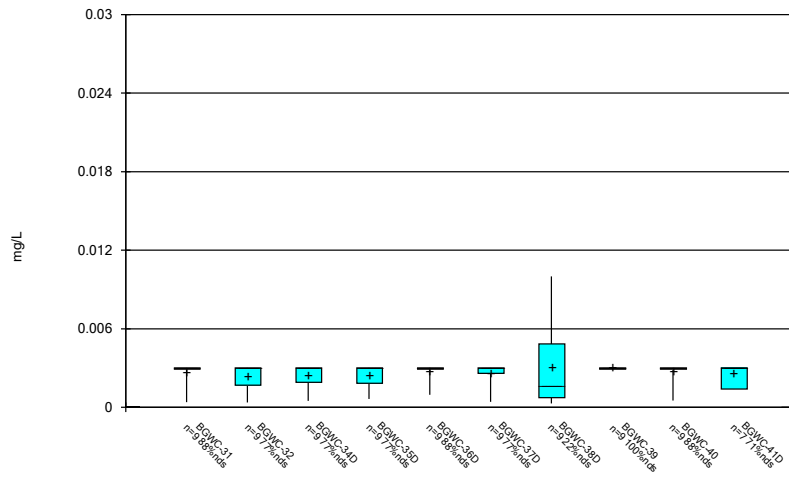
Constituent: Antimony Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



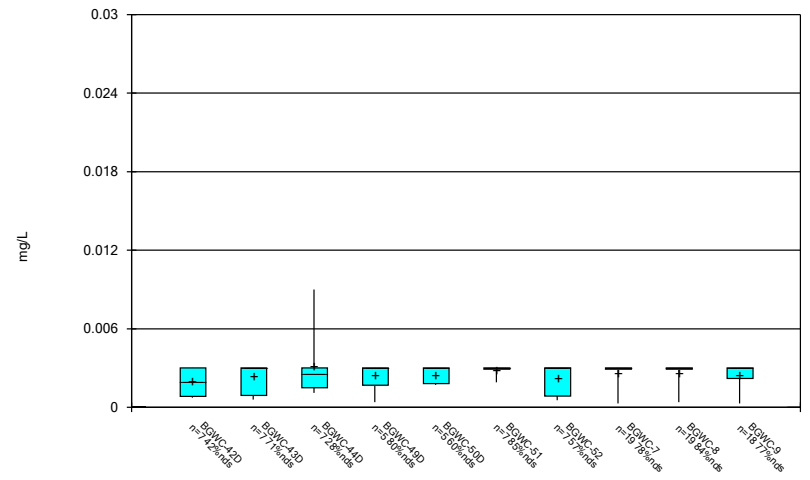
Constituent: Antimony Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



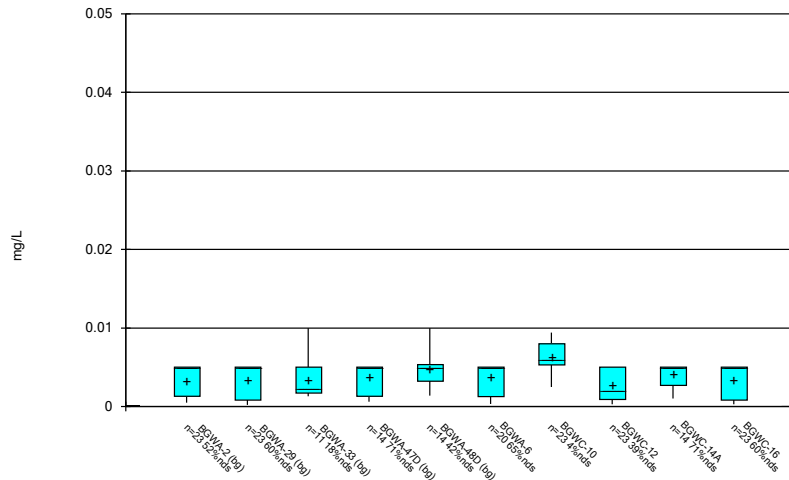
Constituent: Antimony Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



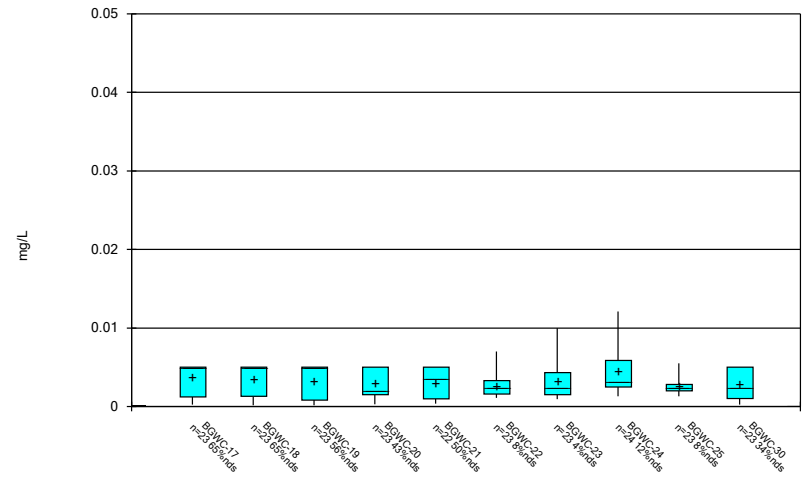
Constituent: Antimony Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



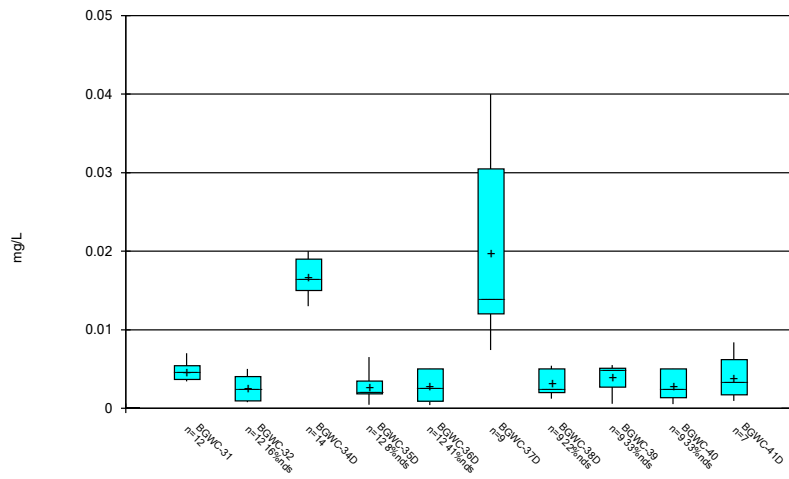
Constituent: Arsenic Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



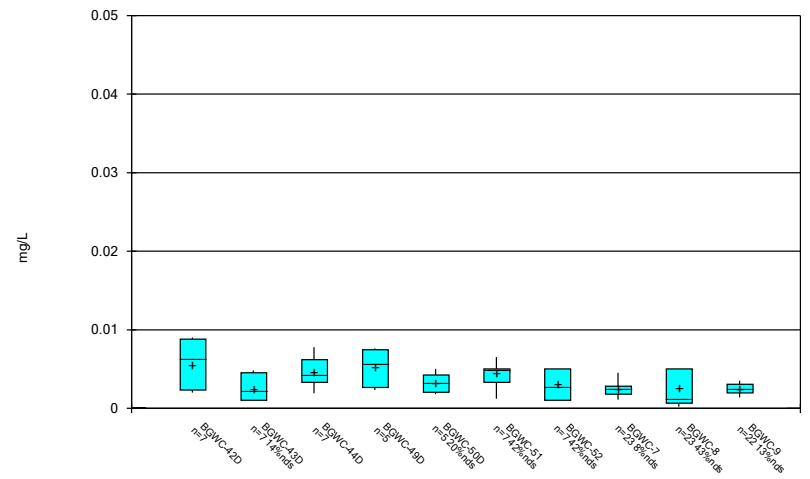
Constituent: Arsenic Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



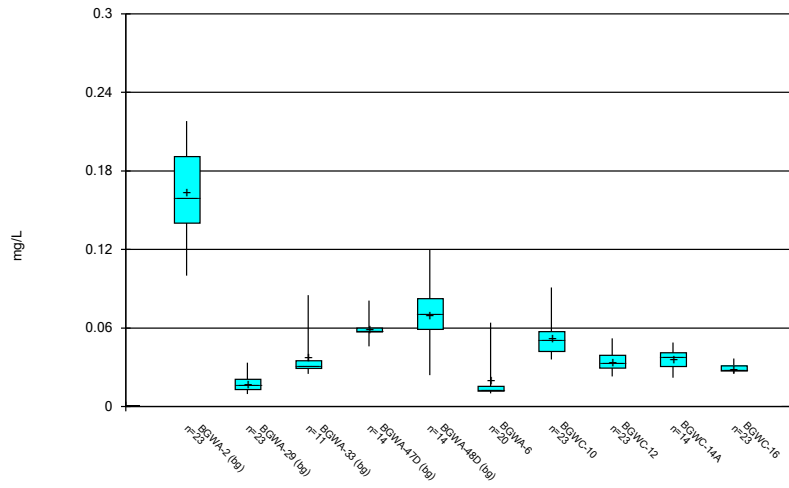
Constituent: Arsenic Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



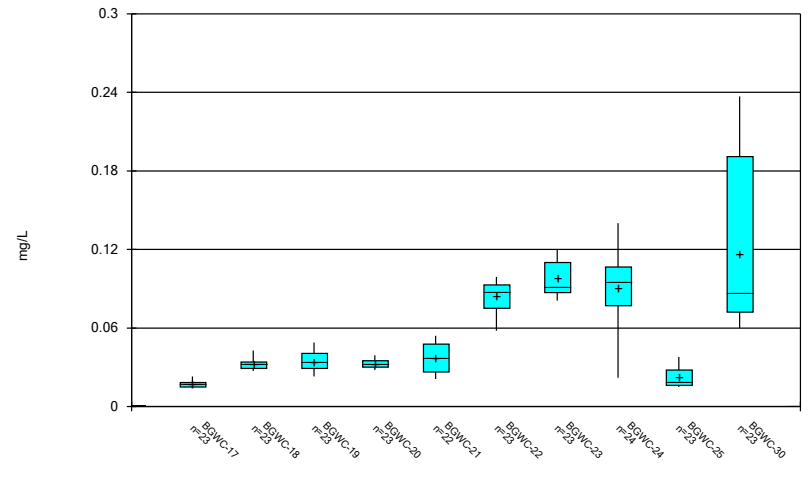
Constituent: Arsenic Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



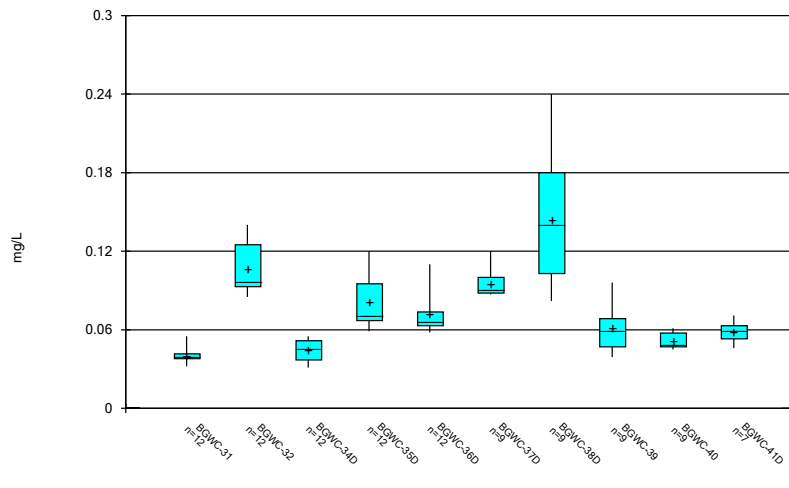
Constituent: Barium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



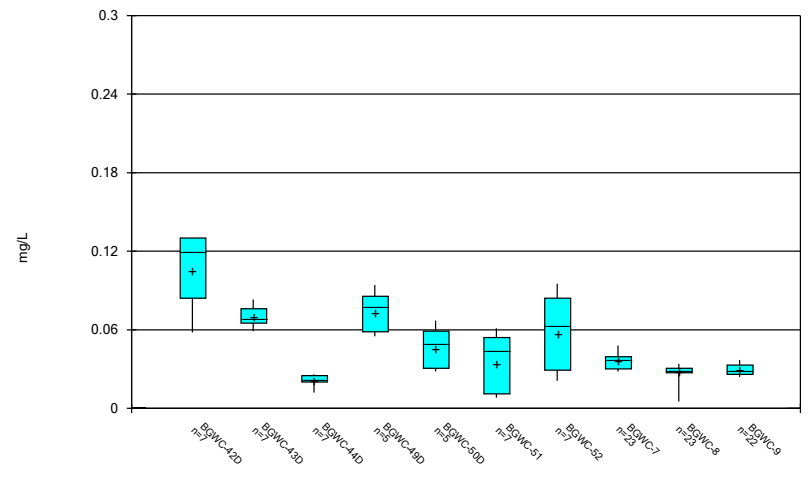
Constituent: Barium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



Constituent: Barium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

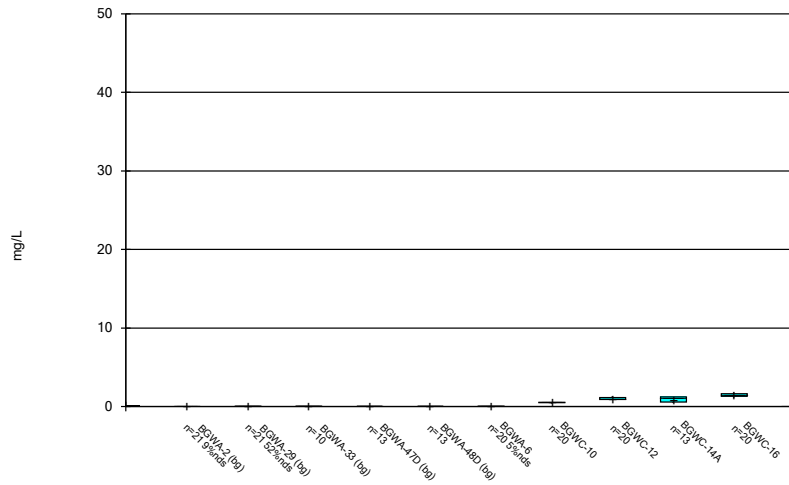
### Box & Whiskers Plot



Constituent: Barium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

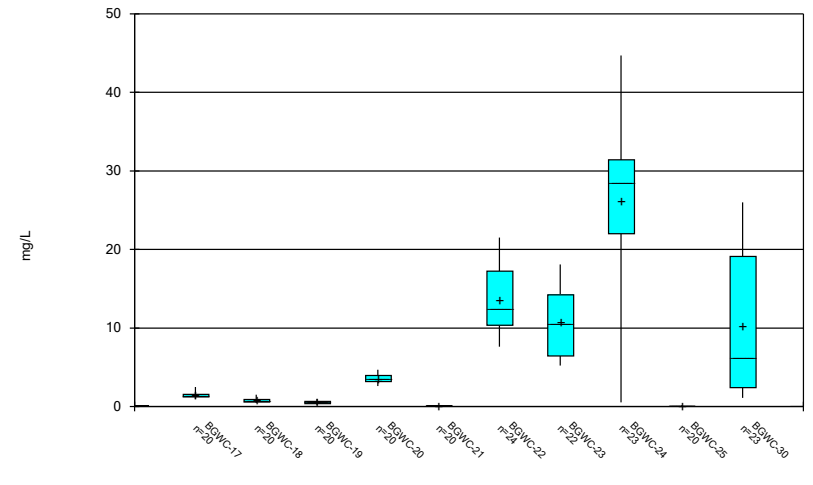


Box & Whiskers Plot



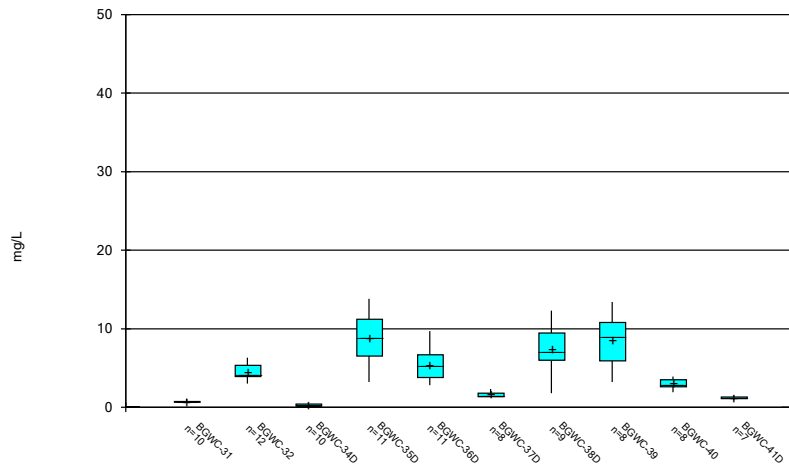
Constituent: Boron Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



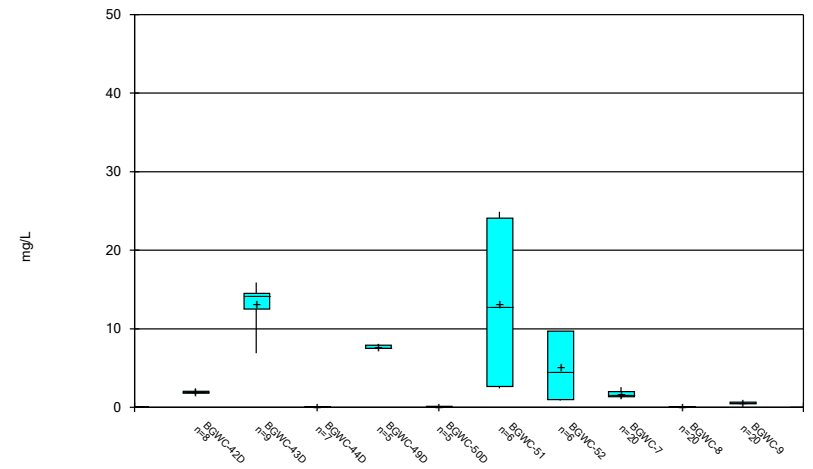
Constituent: Boron Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



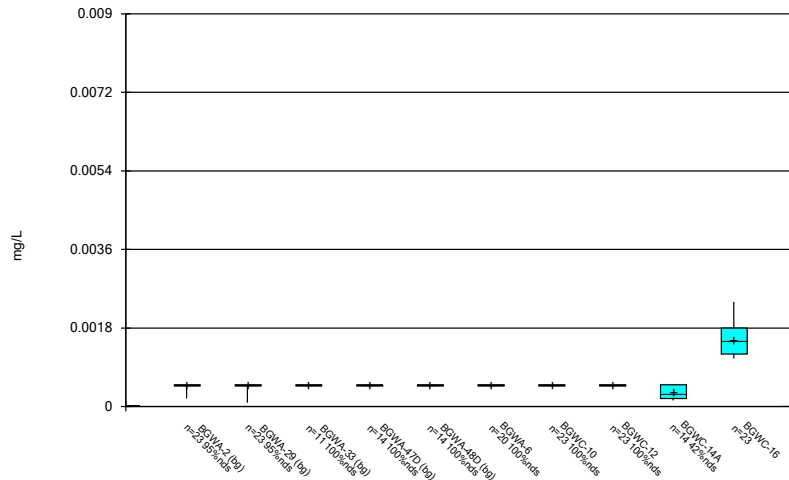
Constituent: Boron Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



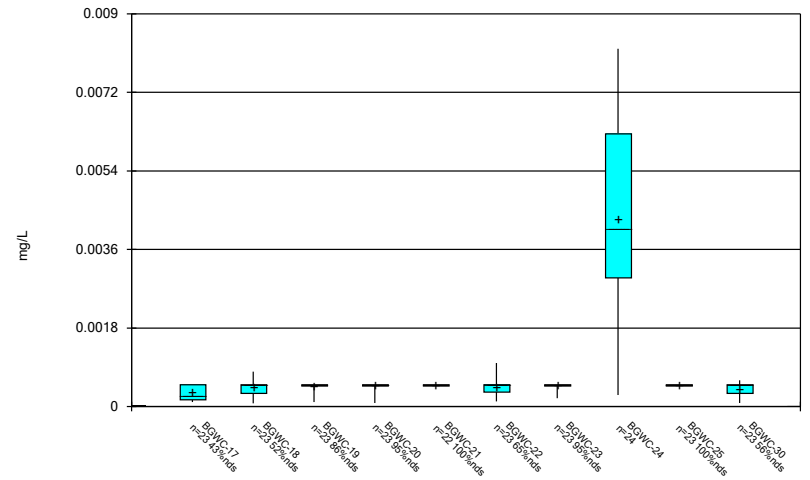
Constituent: Boron Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



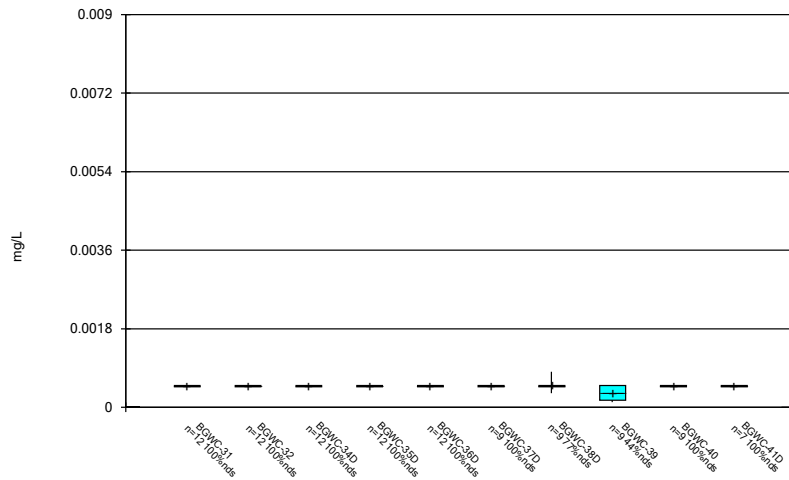
Constituent: Cadmium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



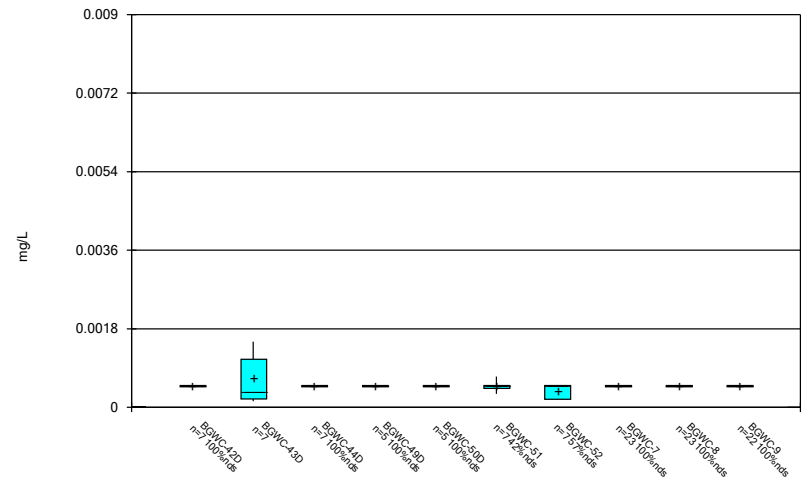
Constituent: Cadmium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

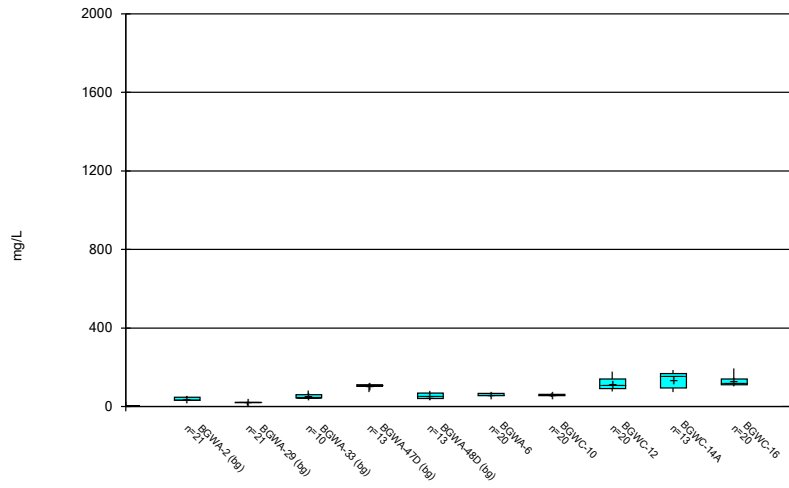
### Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

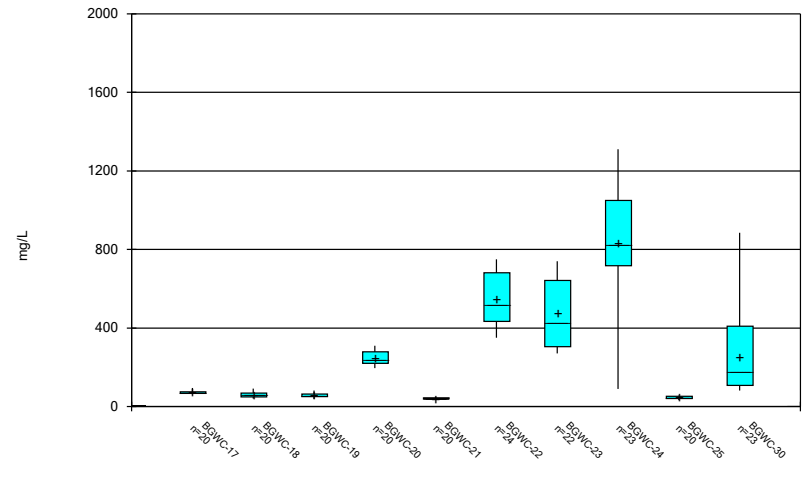


### Box & Whiskers Plot



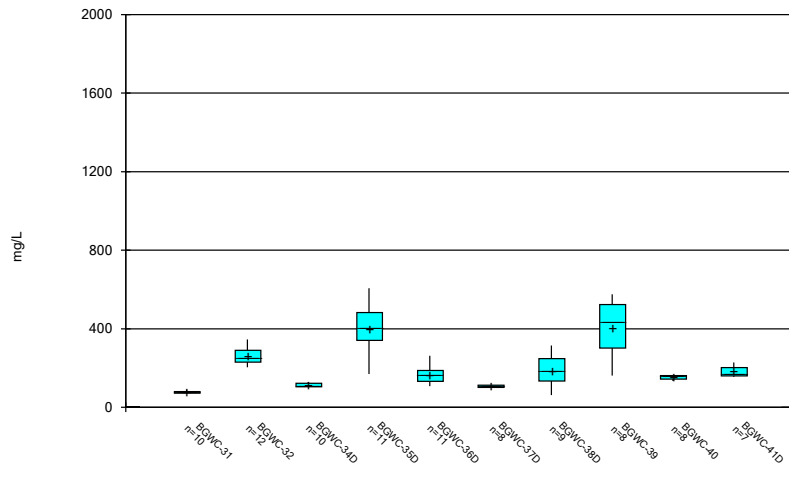
Constituent: Calcium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



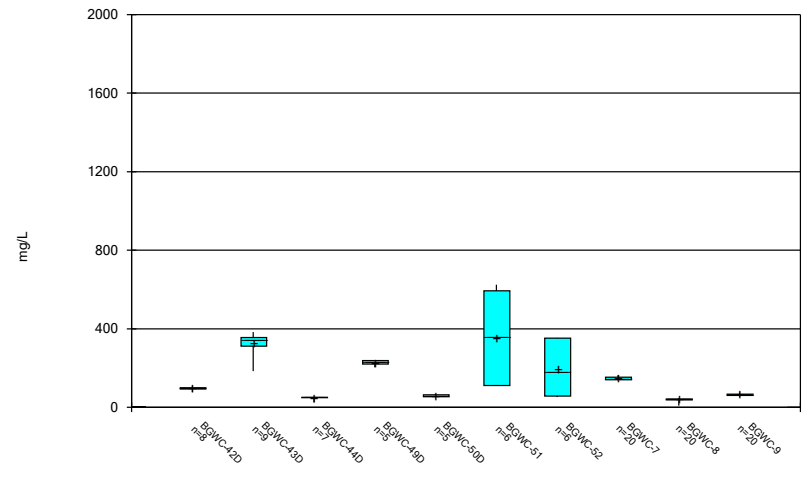
Constituent: Calcium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



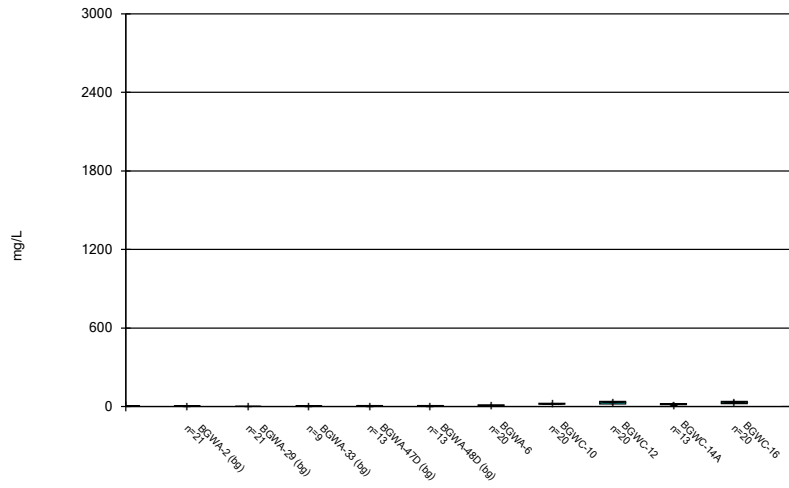
Constituent: Calcium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



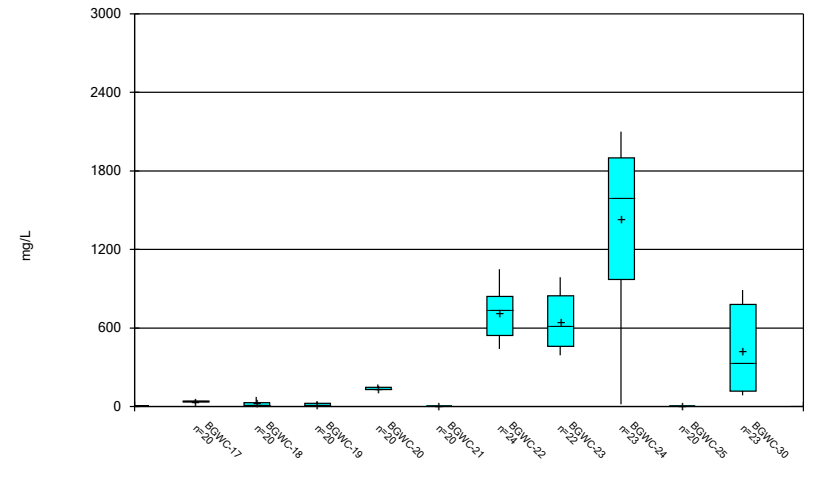
Constituent: Calcium Analysis Run 5/25/2023 11:50 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



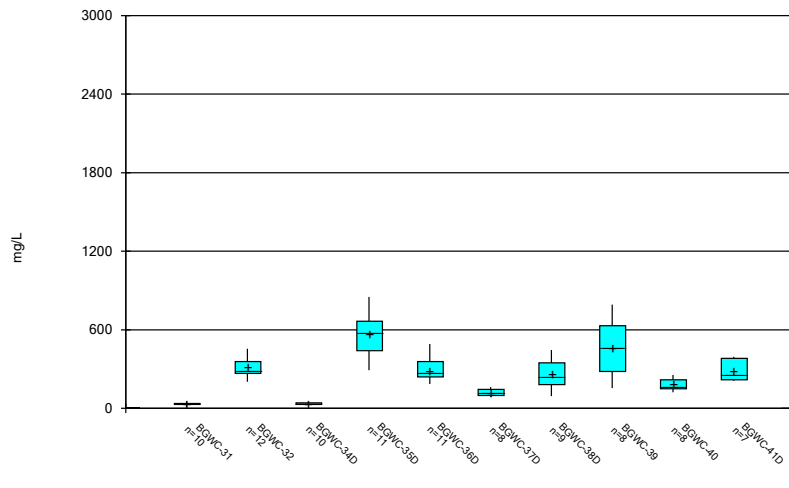
Constituent: Chloride Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



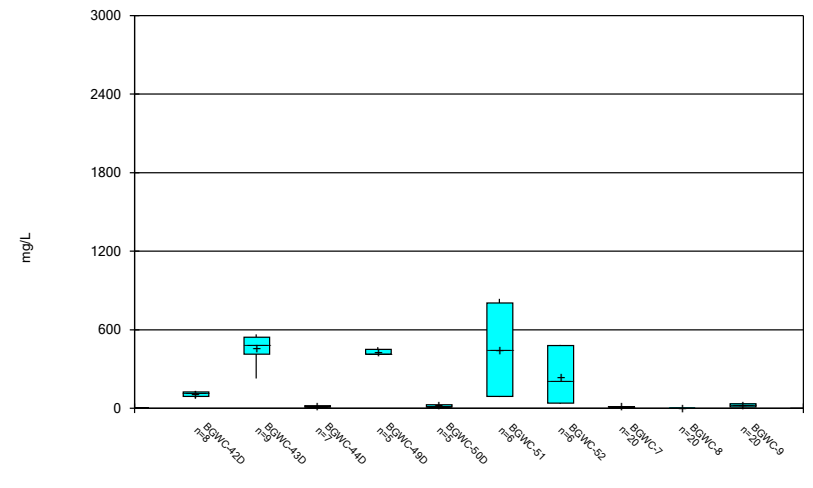
Constituent: Chloride Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



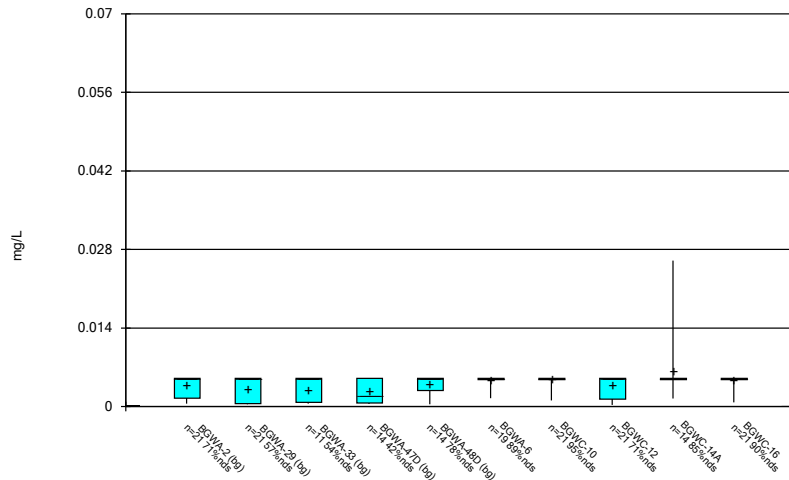
Constituent: Chloride Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



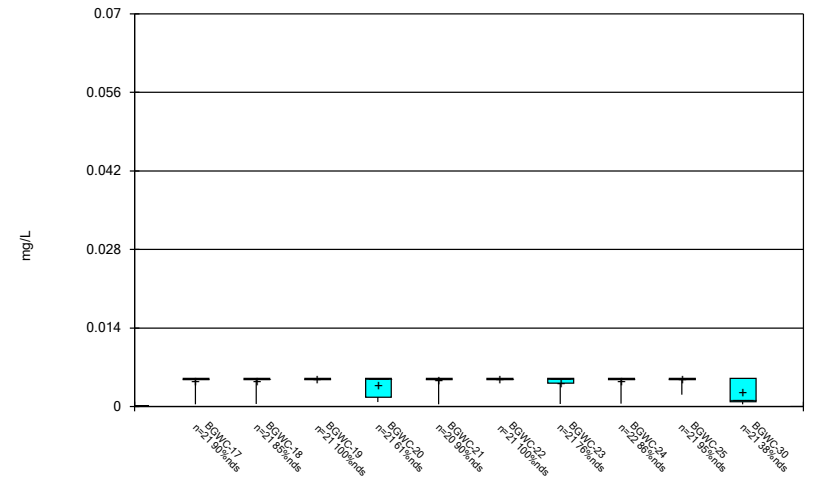
Constituent: Chloride Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



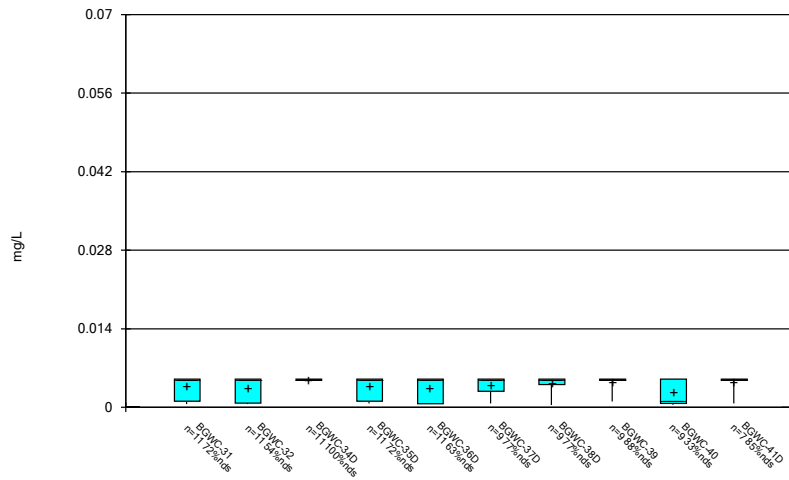
Constituent: Chromium Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



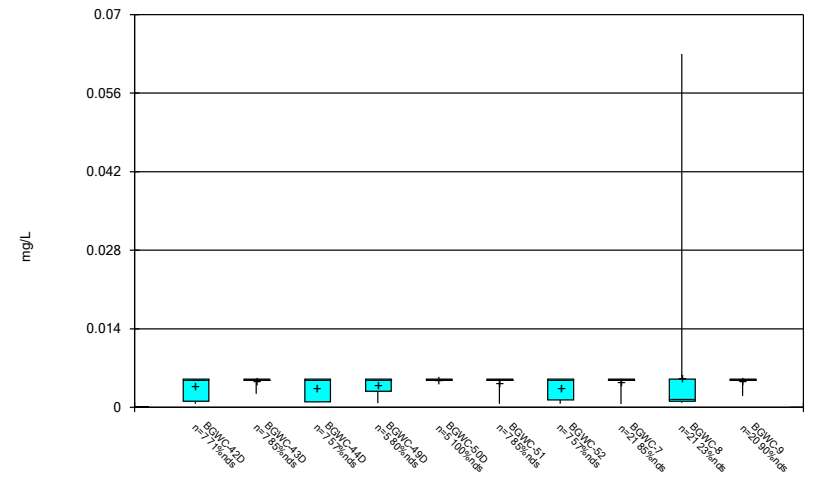
Constituent: Chromium Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



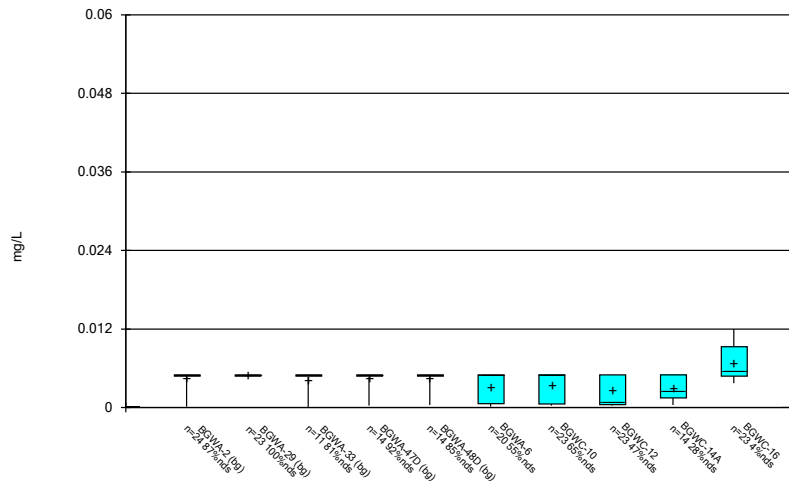
Constituent: Chromium Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



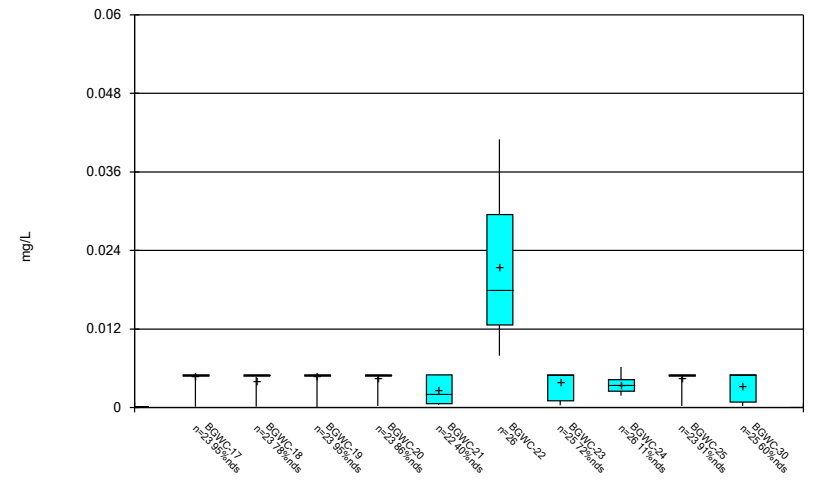
Constituent: Chromium Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



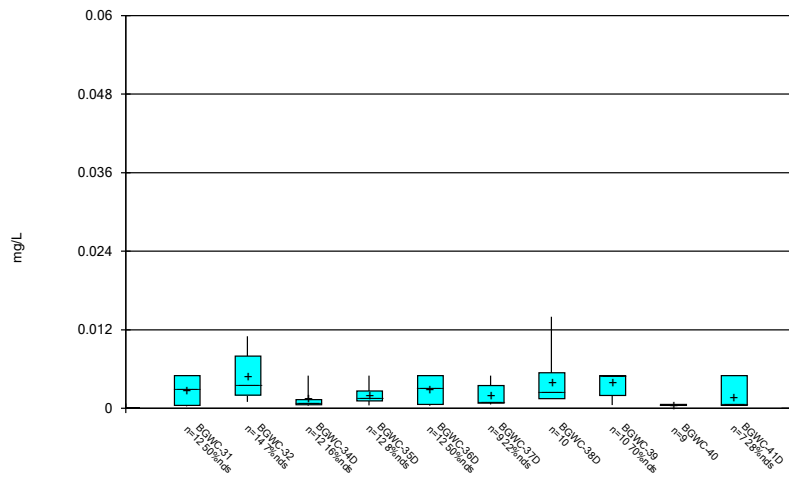
Constituent: Cobalt Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



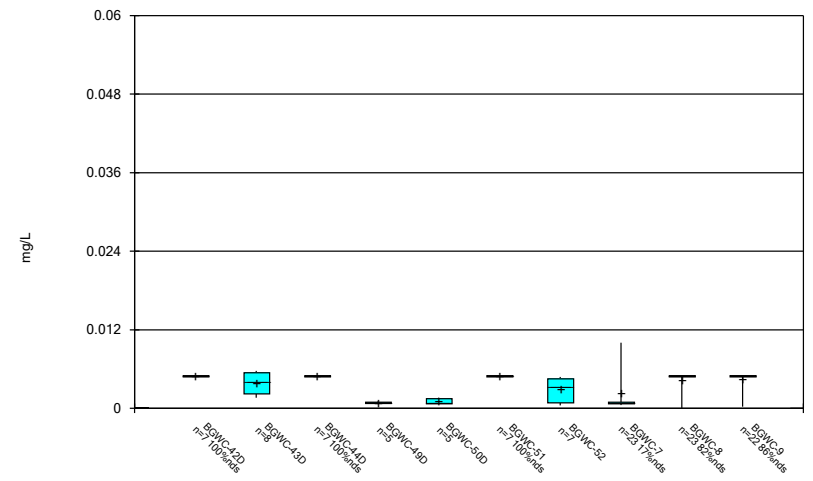
Constituent: Cobalt Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



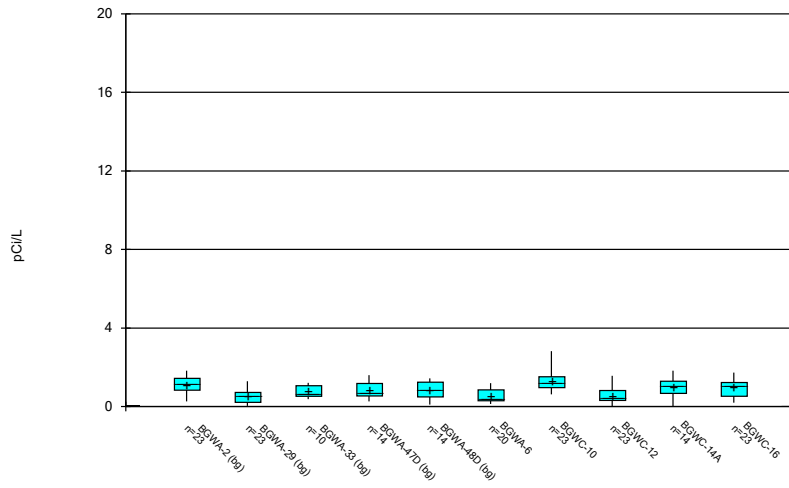
Constituent: Cobalt Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



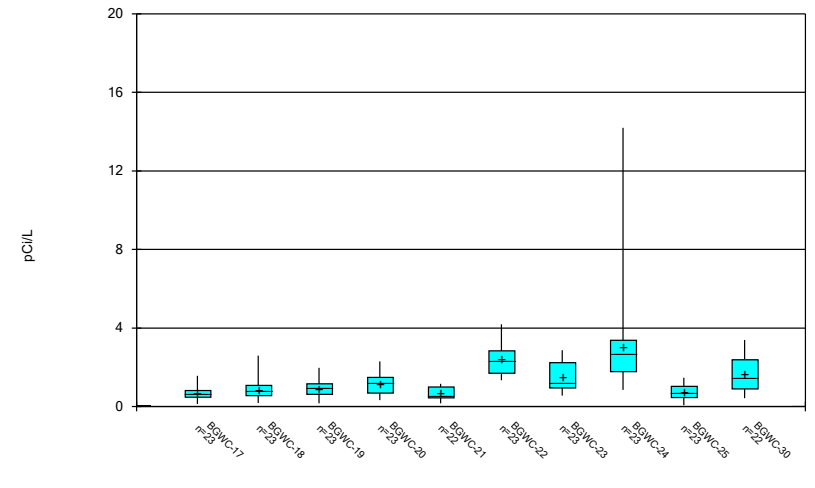
Constituent: Cobalt Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



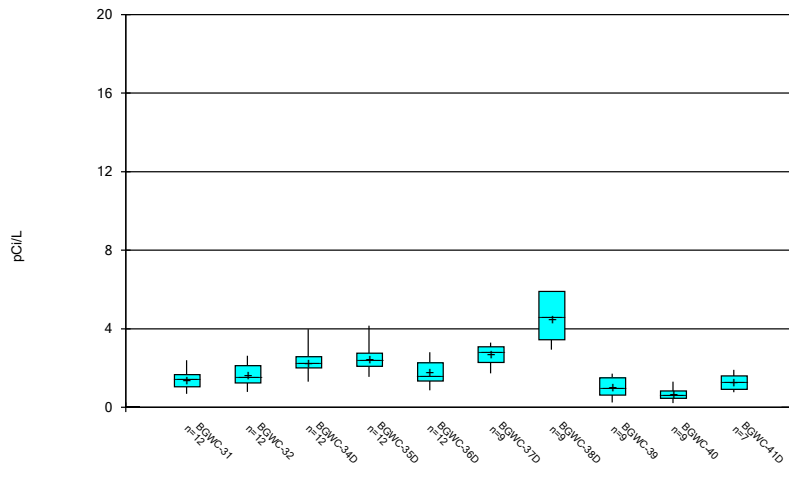
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



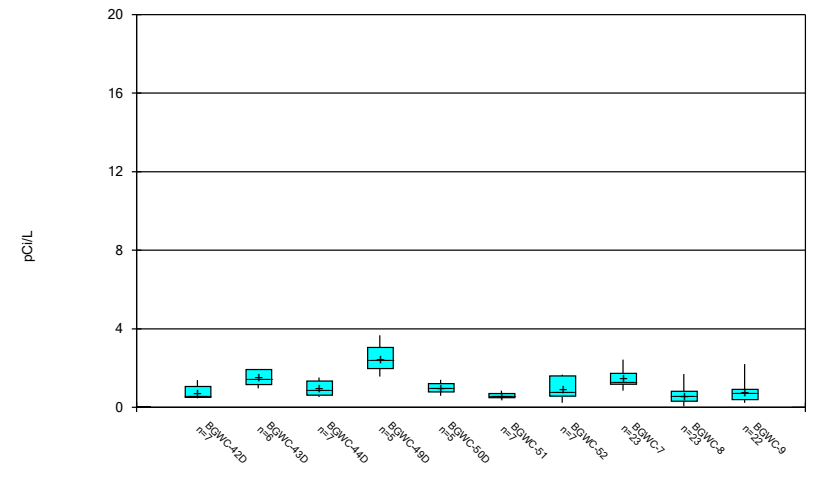
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



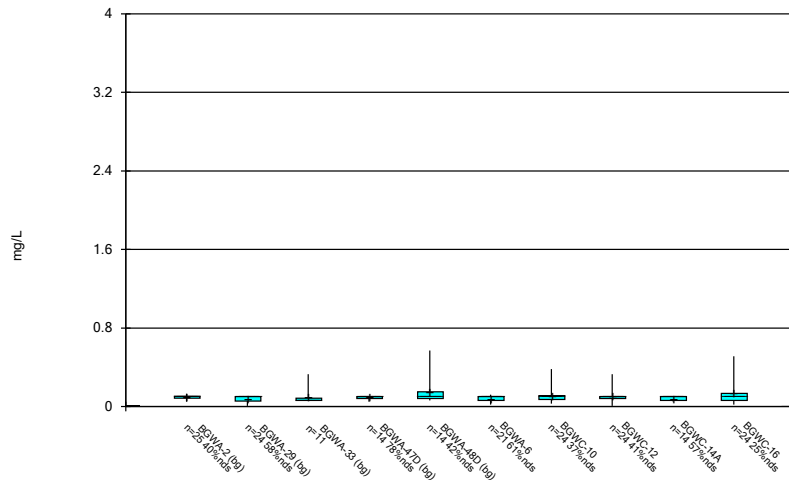
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



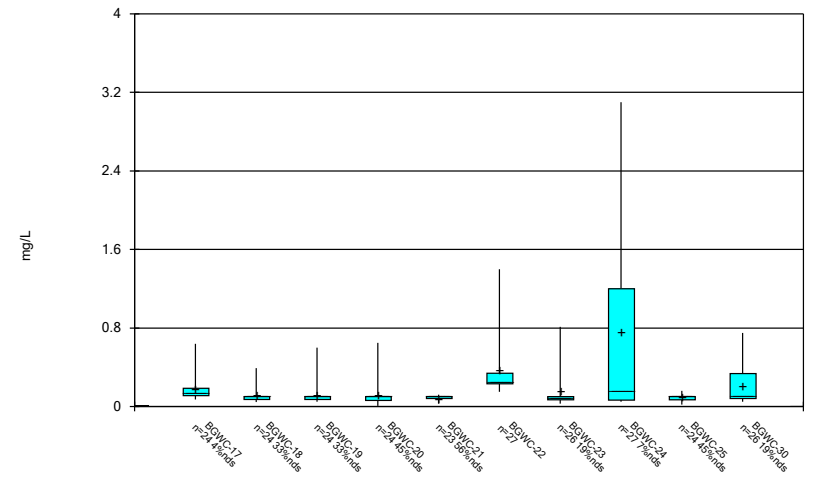
Constituent: Combined Radium 226 + 228 Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



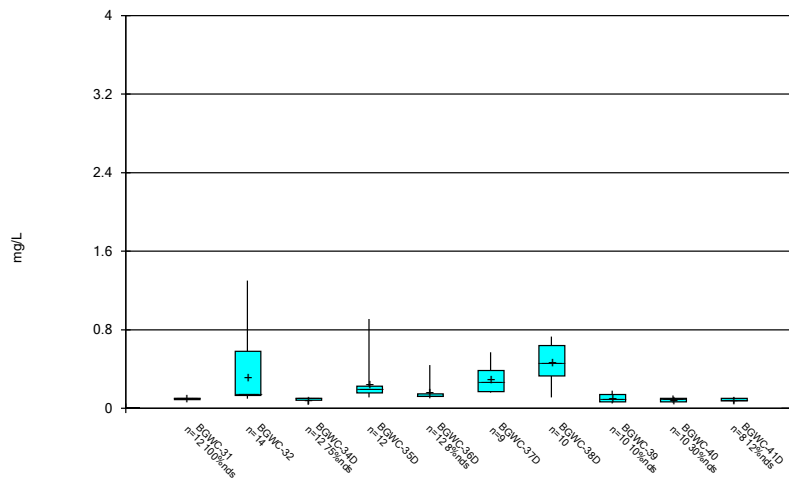
Constituent: Fluoride Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



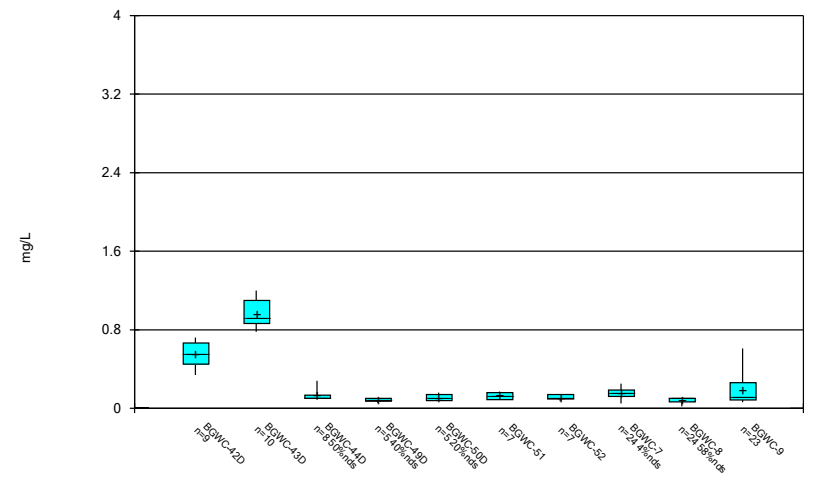
Constituent: Fluoride Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



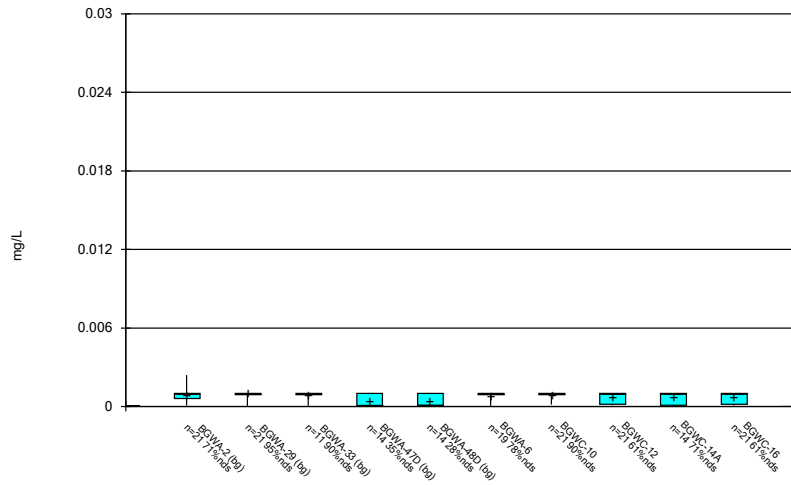
Constituent: Fluoride Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



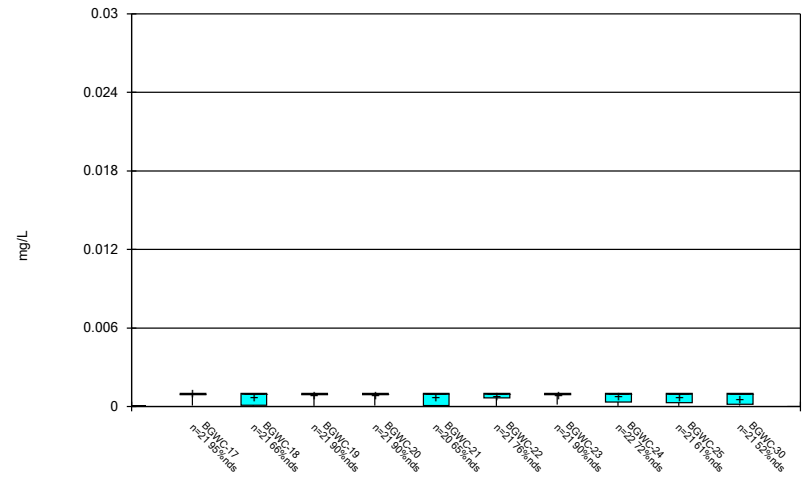
Constituent: Fluoride Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



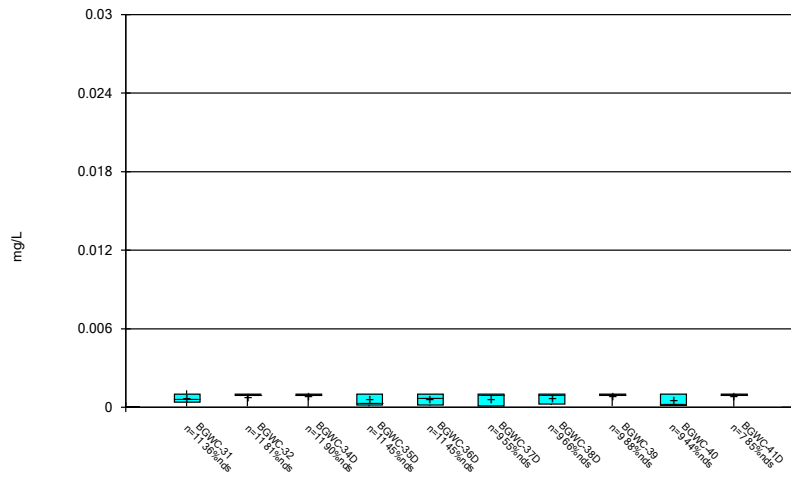
Constituent: Lead Analysis Run 5/25/2023 11:50 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



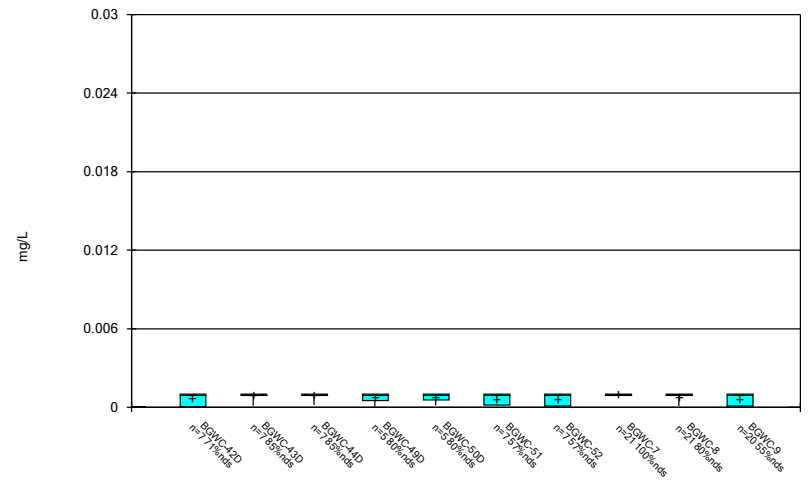
Constituent: Lead Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



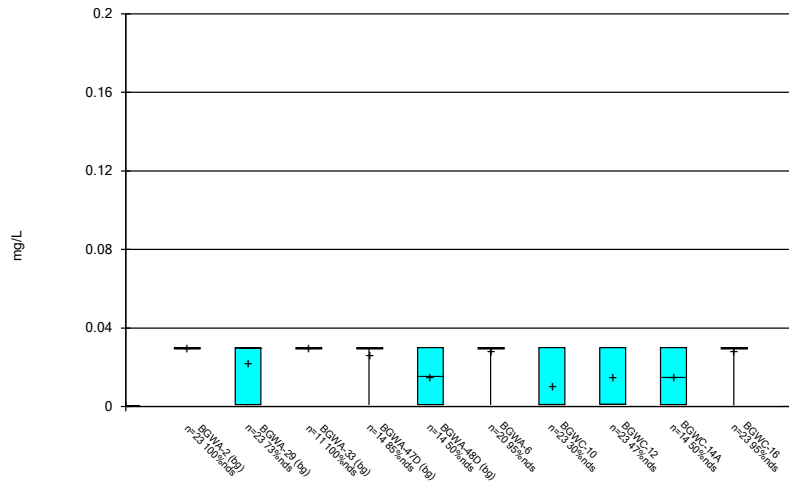
Constituent: Lead Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



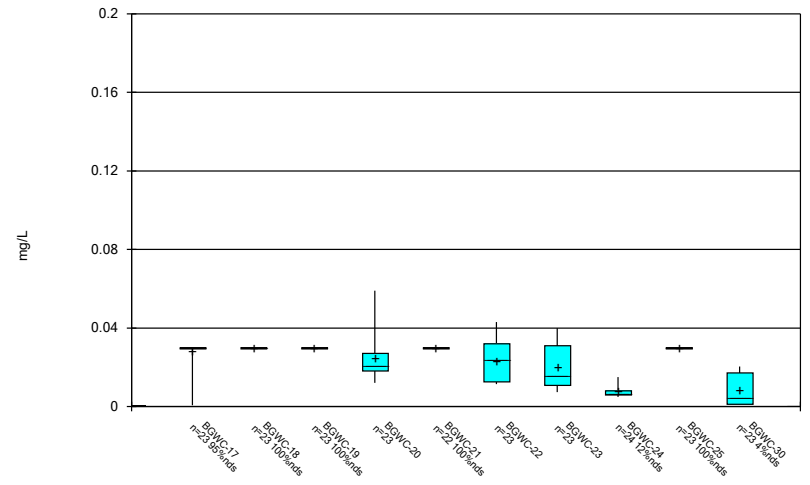
Constituent: Lead Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



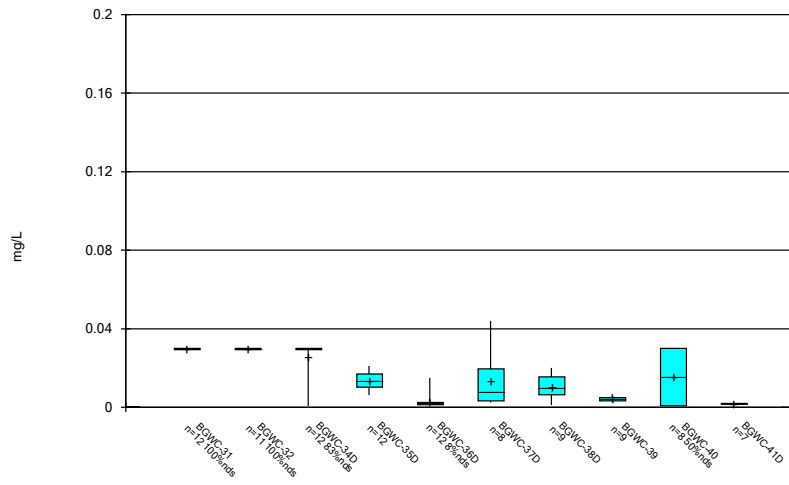
Constituent: Lithium Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



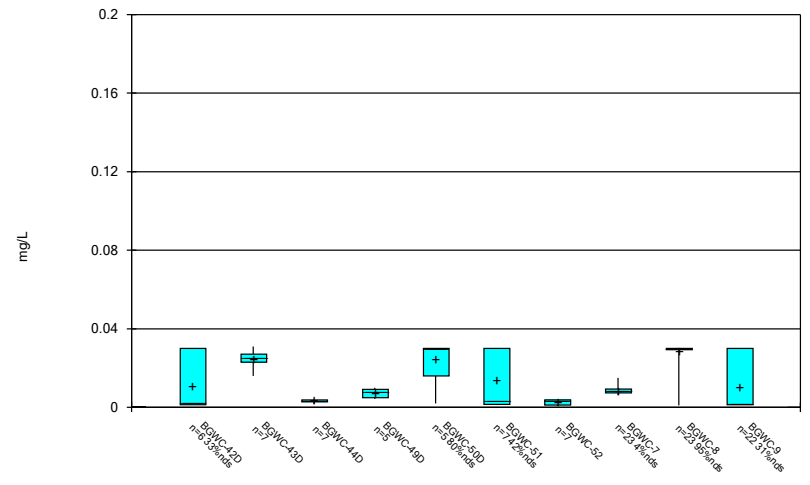
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



Constituent: Lithium Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

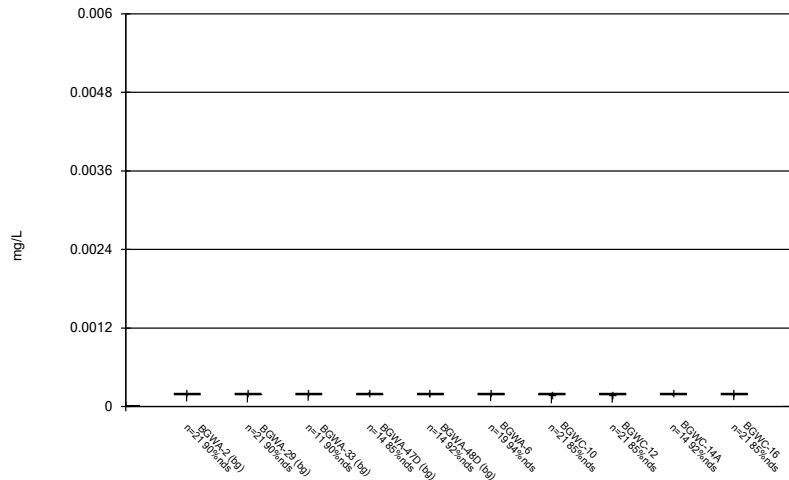
Box & Whiskers Plot



Constituent: Lithium Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

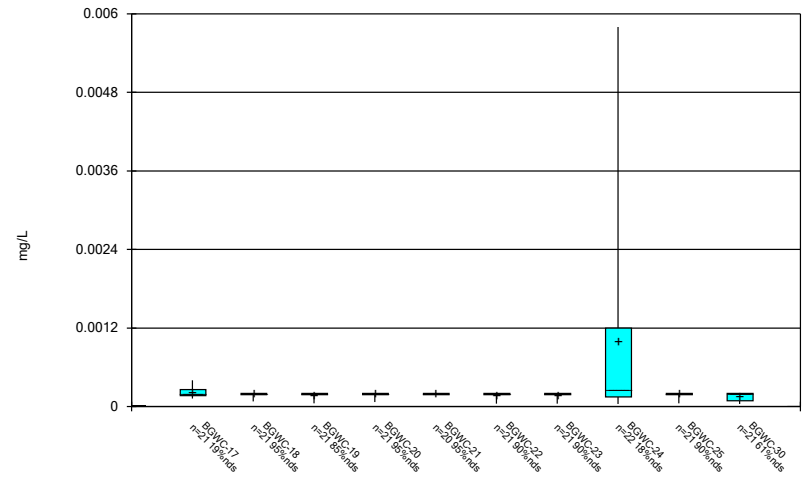


### Box & Whiskers Plot



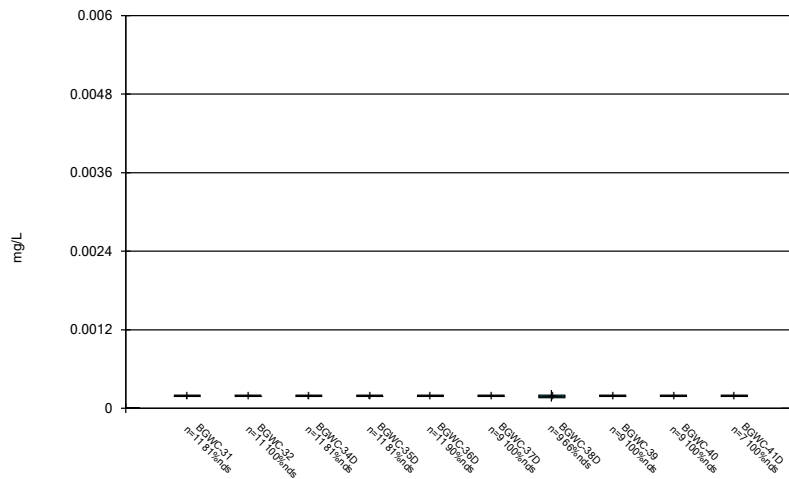
Constituent: Mercury Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



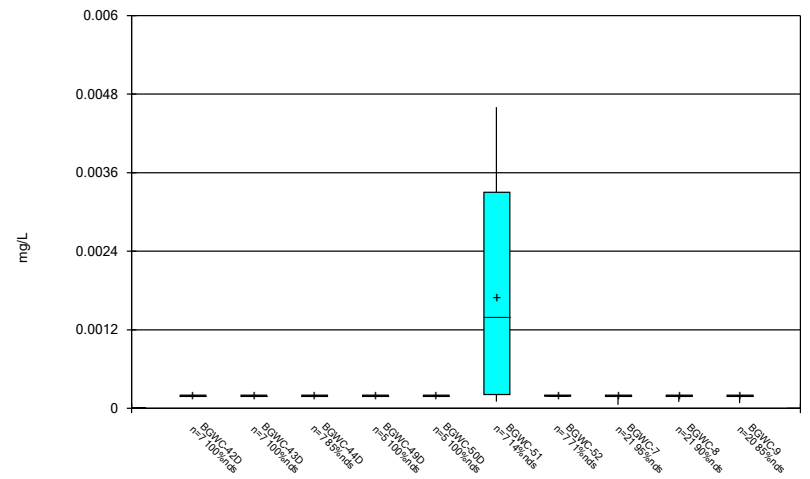
Constituent: Mercury Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



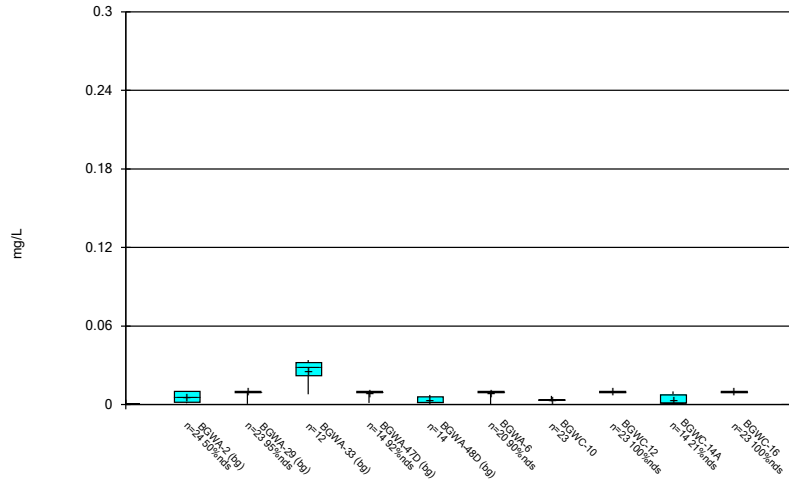
Constituent: Mercury Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



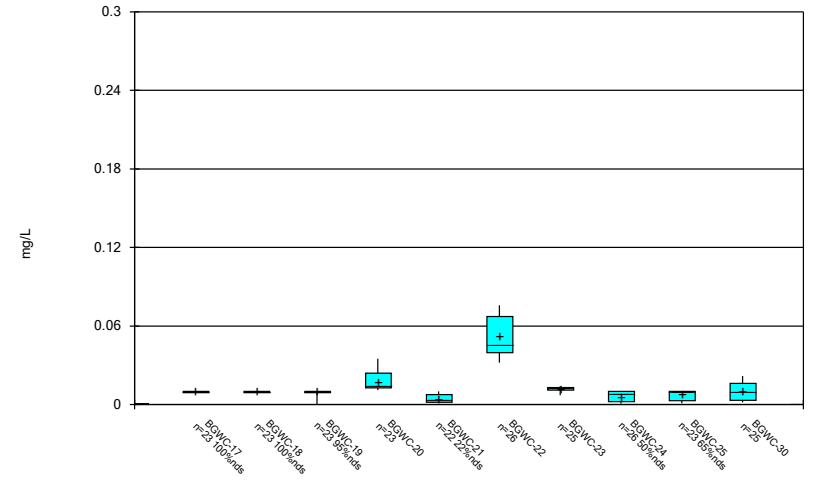
Constituent: Mercury Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



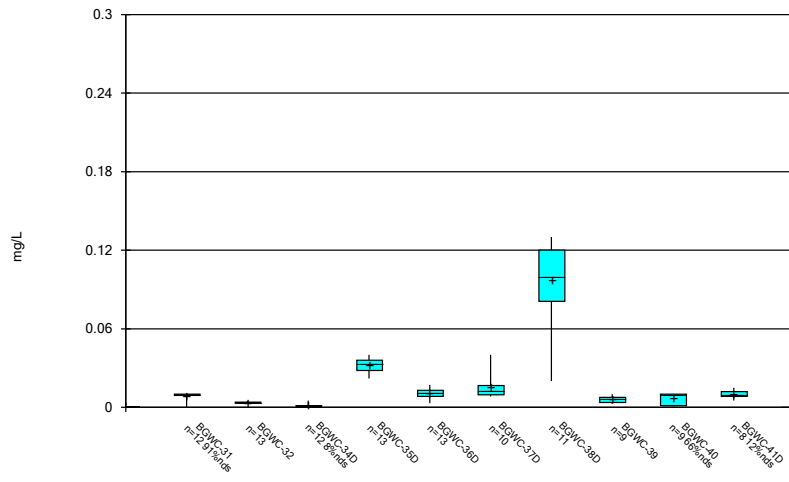
Constituent: Molybdenum Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



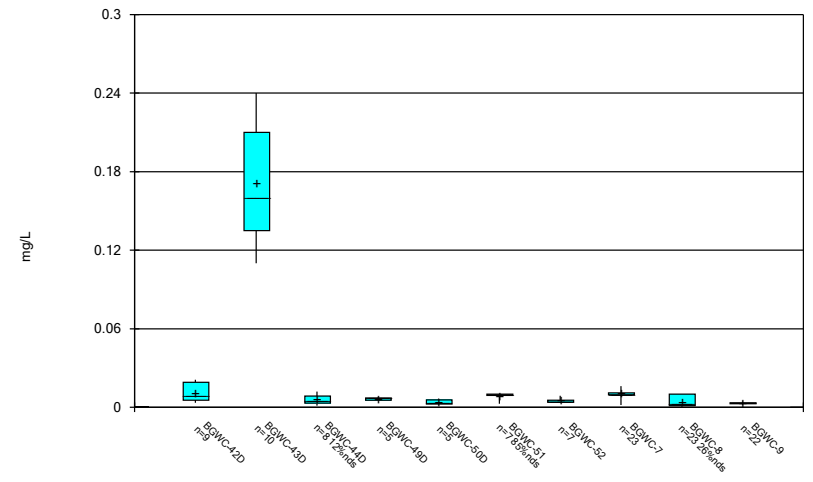
Constituent: Molybdenum Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



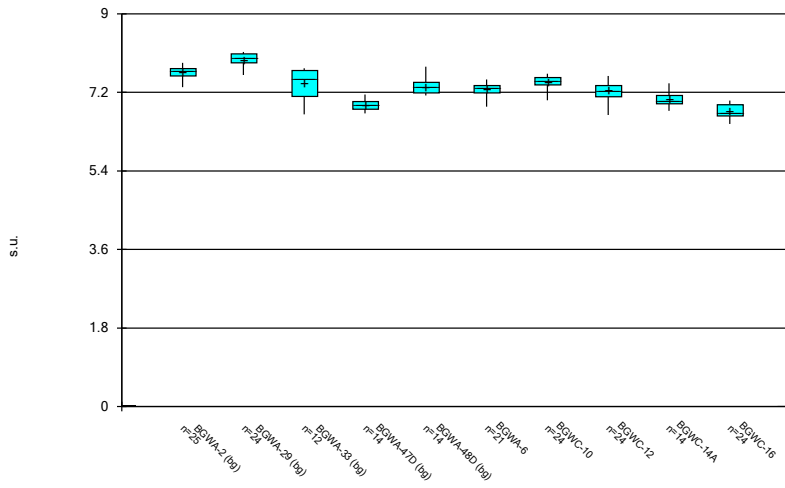
Constituent: Molybdenum Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



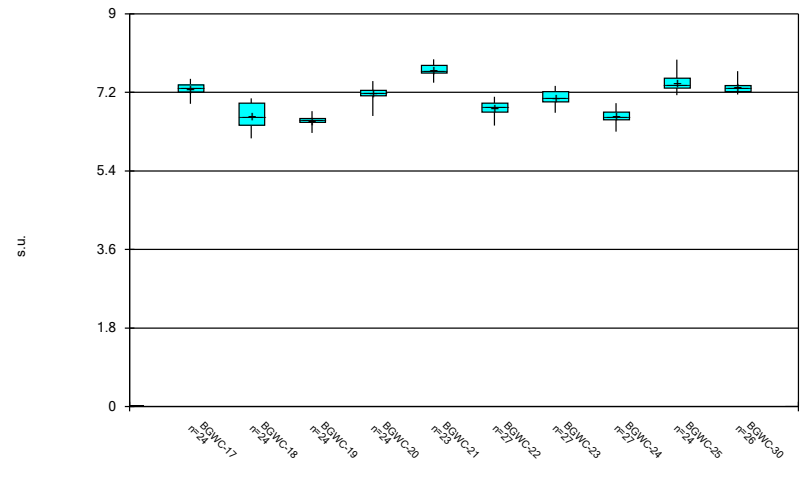
Constituent: Molybdenum Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



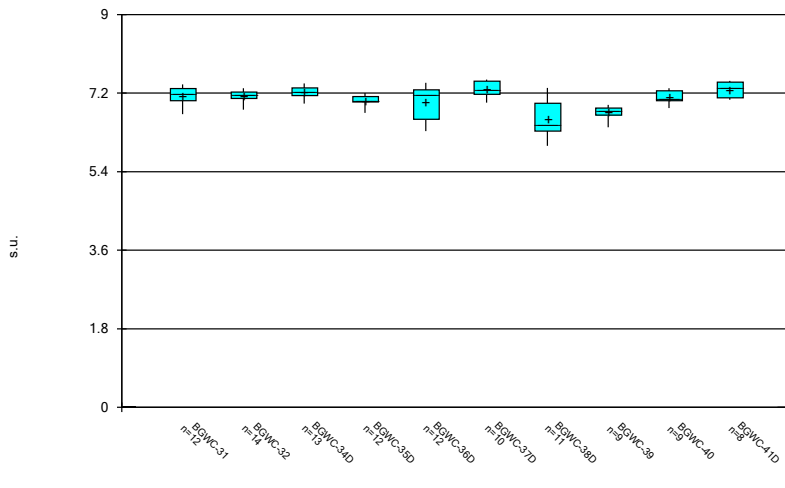
Constituent: pH Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



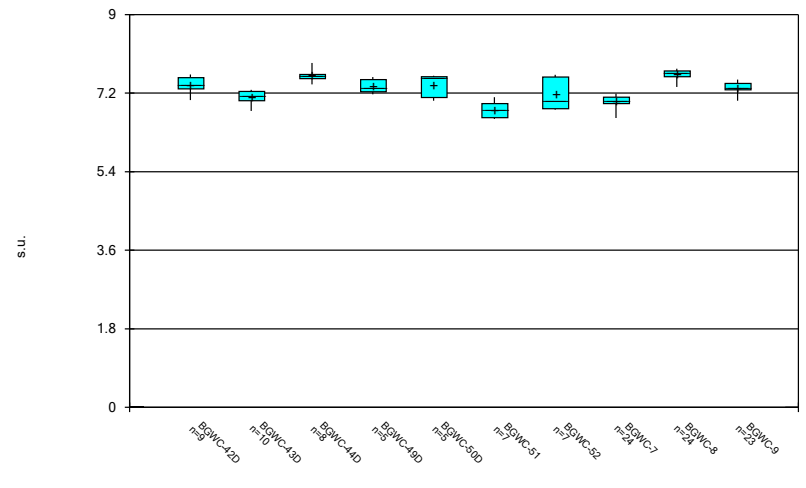
Constituent: pH Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



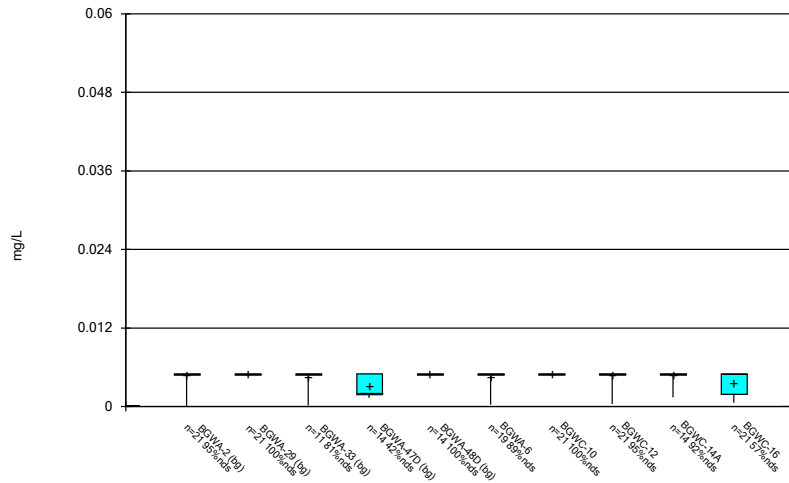
Constituent: pH Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



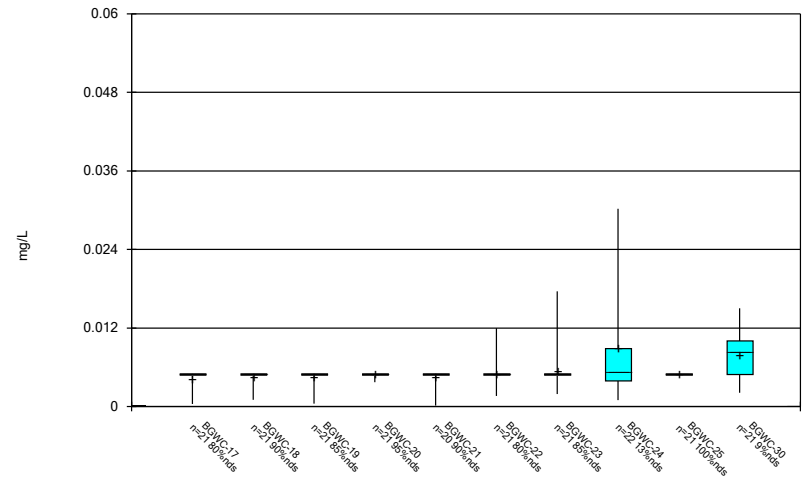
Constituent: pH Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



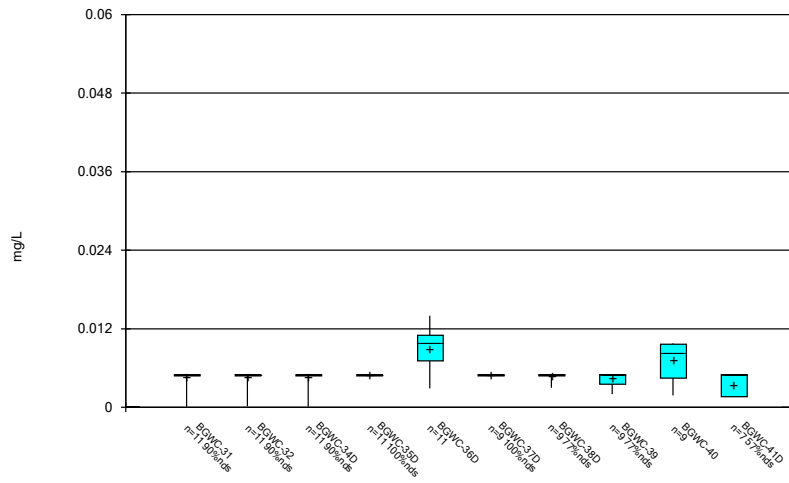
Constituent: Selenium Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



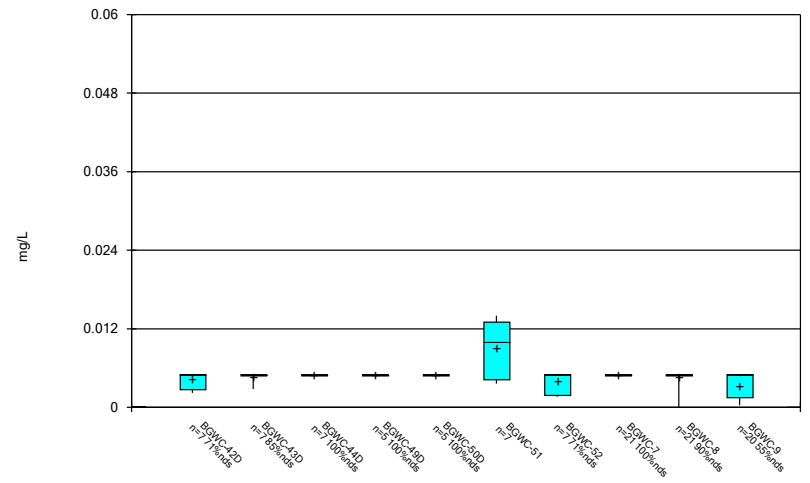
Constituent: Selenium Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



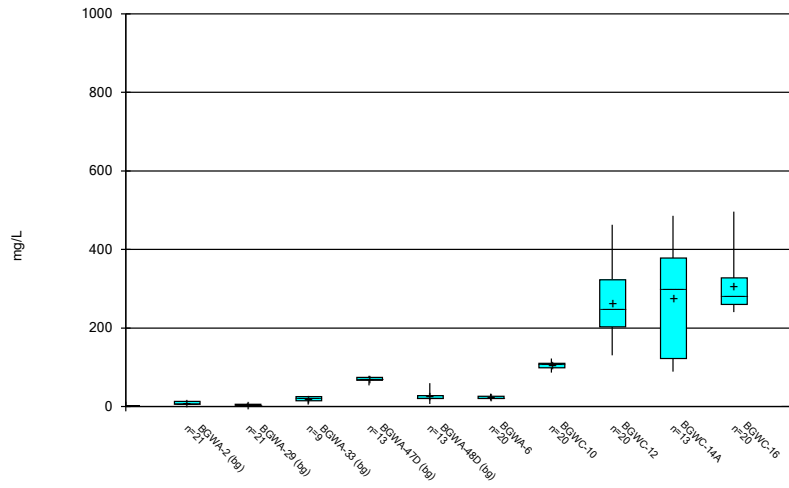
Constituent: Selenium Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



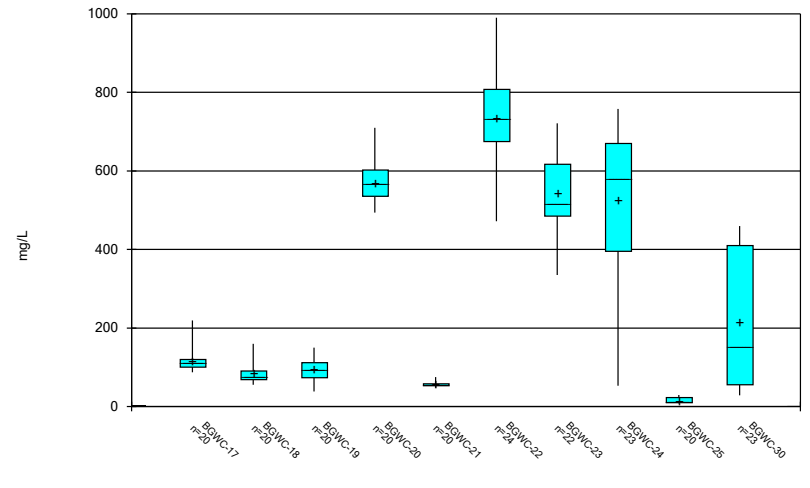
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



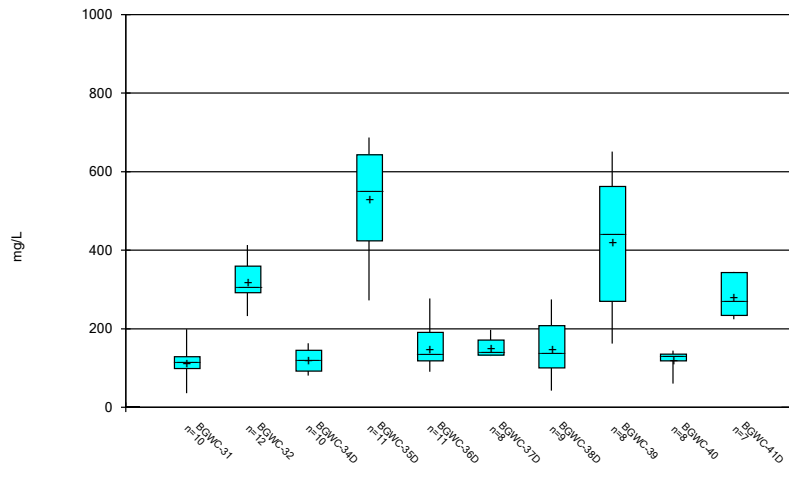
Constituent: Sulfate Analysis Run 5/25/2023 11:51 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



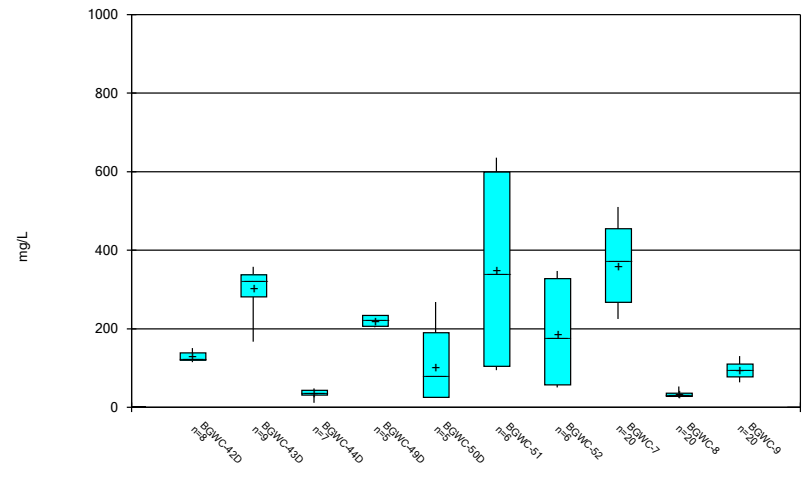
Constituent: Sulfate Analysis Run 5/25/2023 11:51 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



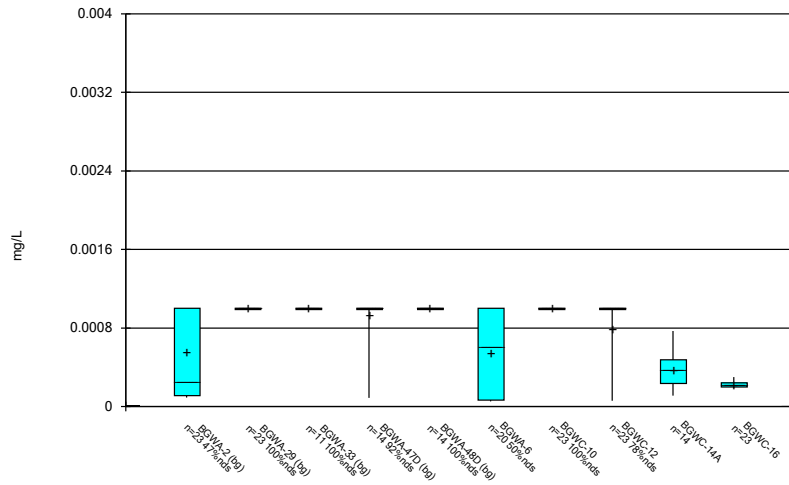
Constituent: Sulfate Analysis Run 5/25/2023 11:51 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



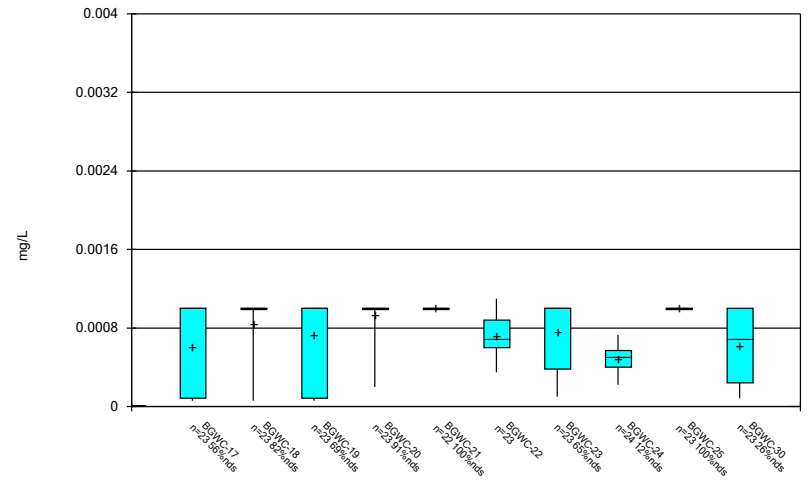
Constituent: Sulfate Analysis Run 5/25/2023 11:51 AM  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



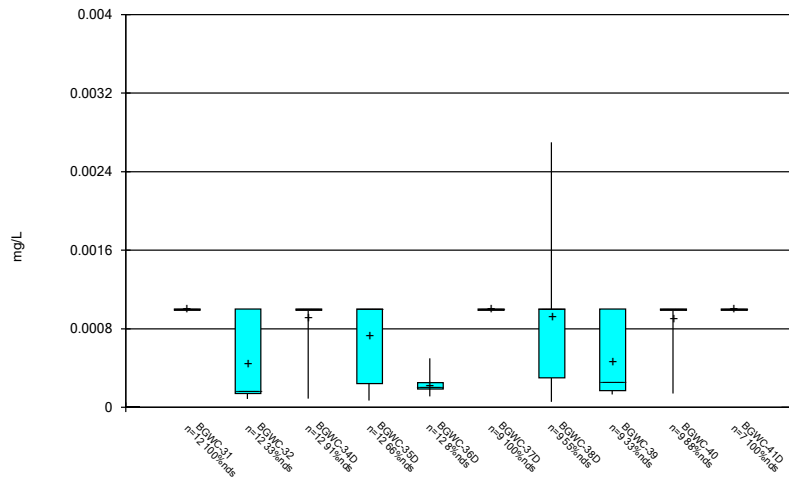
Constituent: Thallium Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



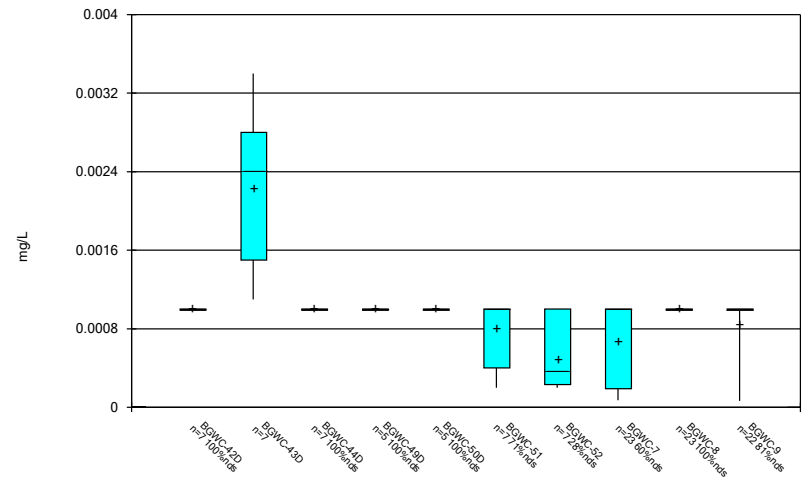
Constituent: Thallium Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



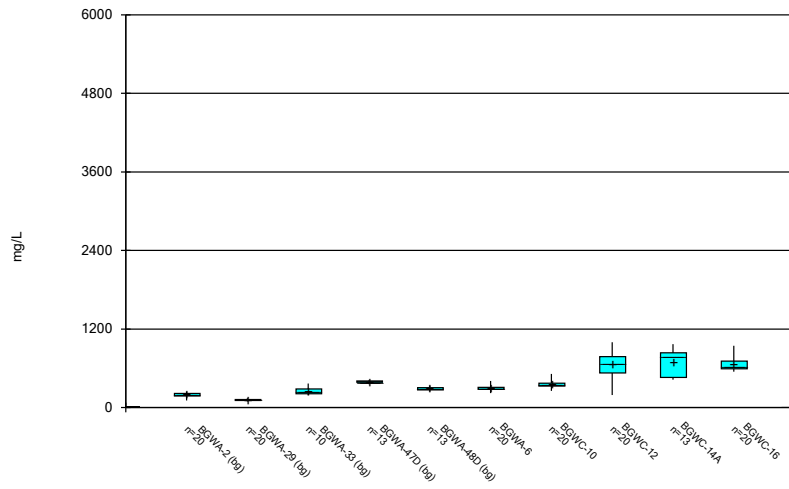
Constituent: Thallium Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



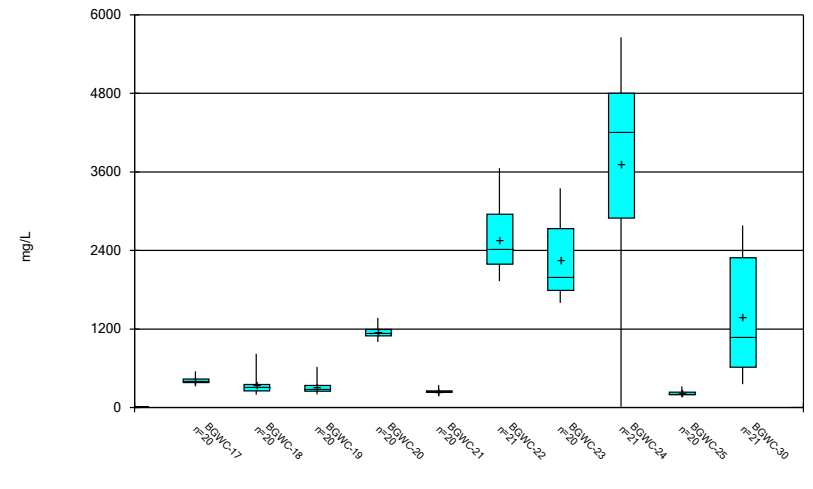
Constituent: Thallium Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



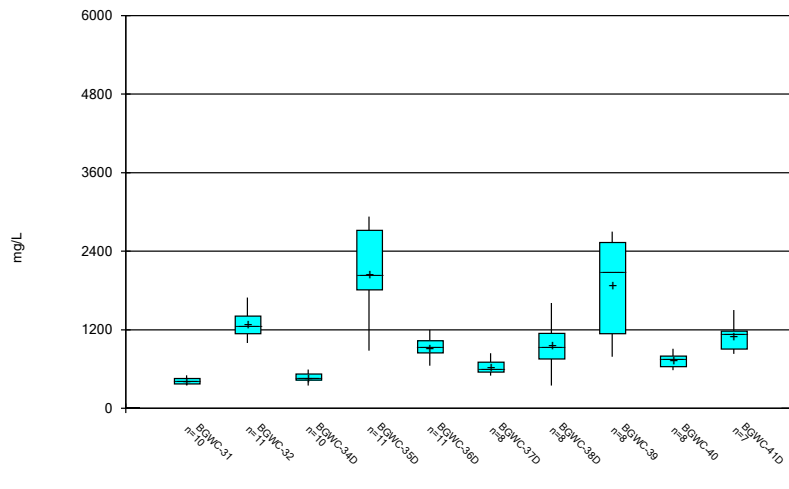
Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



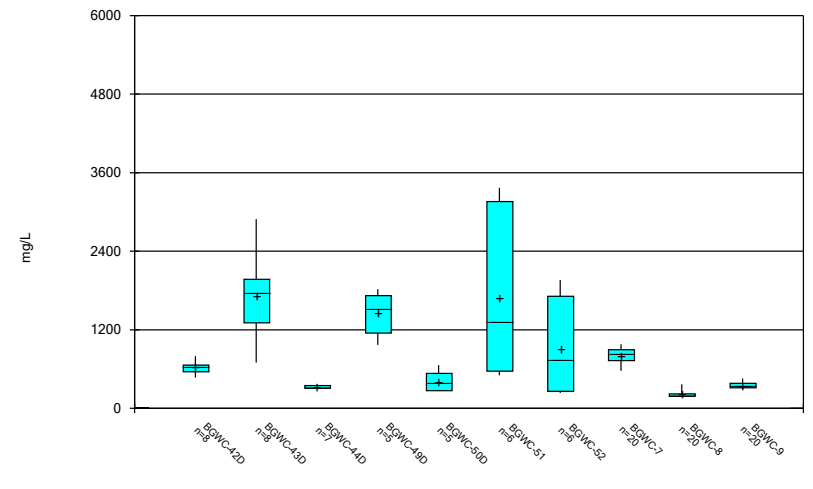
Constituent: Total Dissolved Solids Analysis Run 5/25/2023 11:51 AM  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### 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

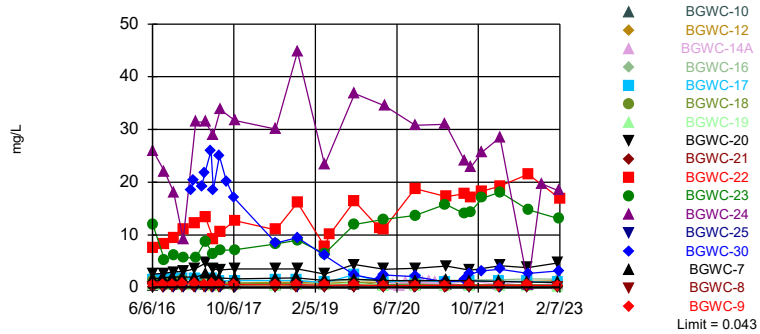
# Appendix III - Interwell Prediction Limits - All Results

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
<b>pH (s.u.)</b>	<b>BGWC-16</b>	<b>8.34</b>	<b>6.658</b>	<b>1/26/2023</b>	<b>6.56</b>	<b>Yes</b>	<b>89</b>	<b>56.94</b>	<b>5.928</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>pH (s.u.)</b>	<b>BGWC-18</b>	<b>8.34</b>	<b>6.658</b>	<b>1/26/2023</b>	<b>6.2</b>	<b>Yes</b>	<b>89</b>	<b>56.94</b>	<b>5.928</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
<b>pH (s.u.)</b>	<b>BGWC-19</b>	<b>8.34</b>	<b>6.658</b>	<b>1/27/2023</b>	<b>6.61</b>	<b>Yes</b>	<b>89</b>	<b>56.94</b>	<b>5.928</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>pH (s.u.)</b>	<b>BGWC-22</b>	<b>8.34</b>	<b>6.658</b>	<b>2/7/2023</b>	<b>6.44</b>	<b>Yes</b>	<b>89</b>	<b>56.94</b>	<b>5.928</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>pH (s.u.)</b>	<b>BGWC-7</b>	<b>8.34</b>	<b>6.658</b>	<b>1/26/2023</b>	<b>6.63</b>	<b>Yes</b>	<b>89</b>	<b>56.94</b>	<b>5.928</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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)	<b>BGWC-10</b>	<b>78</b>	<b>n/a</b>	<b>1/27/2023</b>	<b>97.3</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-12</b>	<b>78</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>463</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-14A</b>	<b>78</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>213</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-16</b>	<b>78</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>490</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-17</b>	<b>78</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>110</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
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)	<b>BGWC-20</b>	<b>78</b>	<b>n/a</b>	<b>1/30/2023</b>	<b>622</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
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)	<b>BGWC-22</b>	<b>78</b>	<b>n/a</b>	<b>2/7/2023</b>	<b>707</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-23</b>	<b>78</b>	<b>n/a</b>	<b>2/2/2023</b>	<b>514</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
Sulfate (mg/L)	<b>BGWC-24</b>	<b>78</b>	<b>n/a</b>	<b>2/1/2023</b>	<b>395</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
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)	<b>BGWC-7</b>	<b>78</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>253</b>	<b>Yes</b>	<b>77</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.000319</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-12</b>	<b>474.8</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>995</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-14A</b>	<b>474.8</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>554</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-16</b>	<b>474.8</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>895</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-20</b>	<b>474.8</b>	<b>n/a</b>	<b>1/30/2023</b>	<b>1280</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-22</b>	<b>474.8</b>	<b>n/a</b>	<b>2/7/2023</b>	<b>2490</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-23</b>	<b>474.8</b>	<b>n/a</b>	<b>2/2/2023</b>	<b>2680</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-24</b>	<b>474.8</b>	<b>n/a</b>	<b>2/1/2023</b>	<b>2550</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-30</b>	<b>474.8</b>	<b>n/a</b>	<b>2/1/2023</b>	<b>745</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-7</b>	<b>474.8</b>	<b>n/a</b>	<b>1/26/2023</b>	<b>657</b>	<b>Yes</b>	<b>76</b>	<b>14.8</b>	<b>3.264</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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

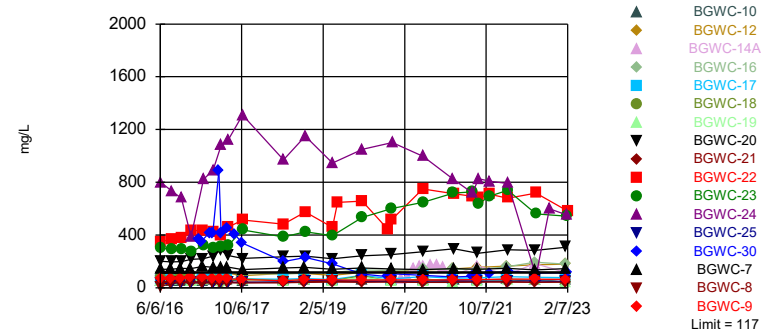


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 78 background values. 16.67% NDs. Annual per-constituent alpha = 0.01173. Individual comparison alpha = 0.0003105 (1 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

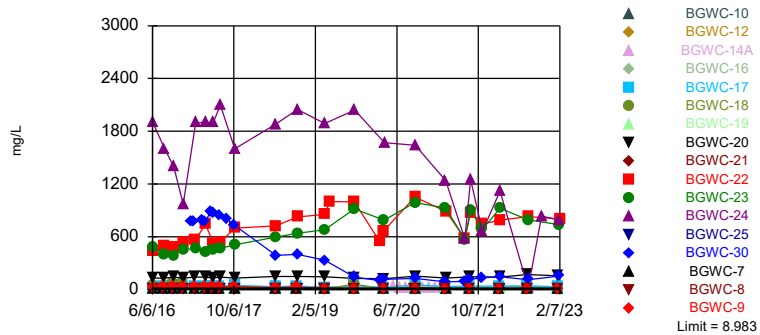


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 78 background values. Annual per-constituent alpha = 0.01173. Individual comparison alpha = 0.0003105 (1 of 2). Comparing 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

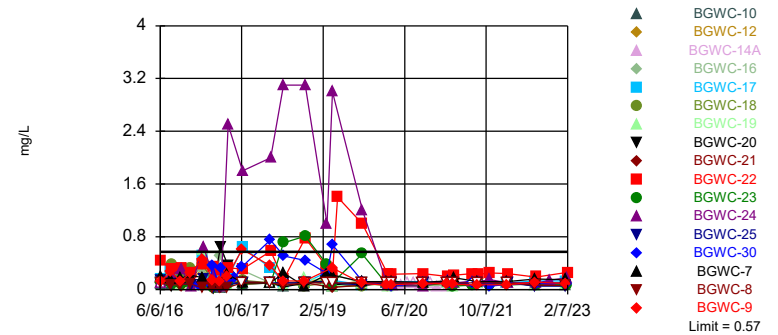


Background Data Summary (based on square root transformation): Mean=1.861, Std. Dev.=0.531, n=77. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9727, critical = 0.957. Kappa = 2.141 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. 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

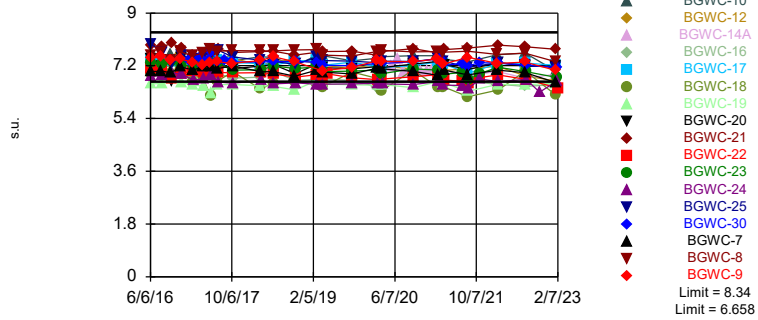


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 88 background values. 46.59% NDs. Annual per-constituent alpha = 0.009303. Individual comparison alpha = 0.0002459 (1 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 Limit: BGWC-16, BGWC-18, BGWC-19, BGWC-22, BGWC-7

Prediction Limit  
Interwell Parametric

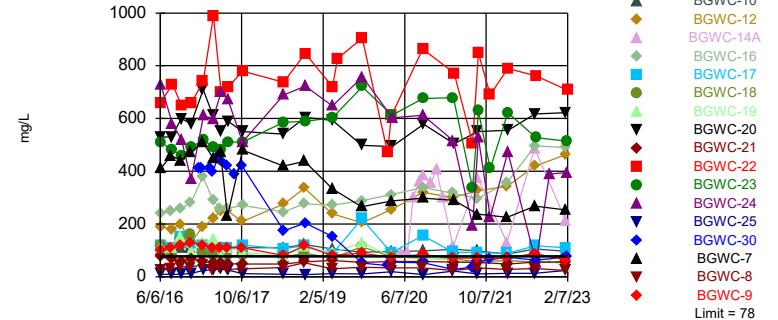


Background Data Summary (based on square transformation): Mean=56.94, Std. Dev.=5.928, n=89. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9631, critical = 0.961. Kappa = 2.127 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000198. 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

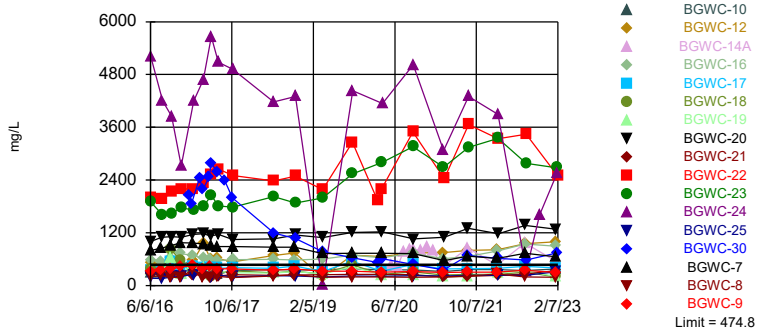


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 77 background values. Annual per-constituent alpha = 0.01205. Individual comparison alpha = 0.000319 (1 of 2). Comparing 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

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	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

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	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
<b>Boron (mg/L)</b>	<b>BGWC-12</b>	<b>0.05638</b>	<b>109</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Boron (mg/L)</b>	<b>BGWC-17</b>	<b>-0.07724</b>	<b>-84</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-18</b>	<b>-0.07522</b>	<b>-114</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-19</b>	<b>-0.05615</b>	<b>-84</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-20</b>	<b>0.1801</b>	<b>86</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-22</b>	<b>1.721</b>	<b>169</b>	<b>105</b>	<b>Yes</b>	<b>24</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-23</b>	<b>1.781</b>	<b>161</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron (mg/L)	BGWC-24	-0.7355	-36	-98	No	23	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>BGWC-30</b>	<b>-3.633</b>	<b>-136</b>	<b>-98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-7</b>	<b>-0.1575</b>	<b>-132</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron (mg/L)	BGWC-8	-0.003648	-56	-81	No	20	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>BGWC-9</b>	<b>-0.03986</b>	<b>-110</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWA-2 (bg)</b>	<b>2.99</b>	<b>133</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Calcium (mg/L)</b>	<b>BGWC-12</b>	<b>14.44</b>	<b>165</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-16</b>	<b>7.825</b>	<b>104</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-20</b>	<b>14.42</b>	<b>132</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-22</b>	<b>57.52</b>	<b>187</b>	<b>105</b>	<b>Yes</b>	<b>24</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-23</b>	<b>76.87</b>	<b>165</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Chloride (mg/L)</b>	<b>BGWA-29 (bg)</b>	<b>-0.1394</b>	<b>-136</b>	<b>-87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	BGWA-33 (bg)	-0.05685	-2	-25	No	9	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>BGWA-47D (bg)</b>	<b>-0.3104</b>	<b>-46</b>	<b>-43</b>	<b>Yes</b>	<b>13</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	BGWA-48D (bg)	1.602	23	43	No	13	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>BGWC-10</b>	<b>1.249</b>	<b>129</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-12</b>	<b>-5.069</b>	<b>-177</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	BGWC-14A	-3.326	-25	-43	No	13	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>BGWC-16</b>	<b>-3.932</b>	<b>-129</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Chloride (mg/L)</b>	<b>BGWC-22</b>	<b>54.33</b>	<b>137</b>	<b>105</b>	<b>Yes</b>	<b>24</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-23</b>	<b>91.25</b>	<b>145</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-24</b>	<b>-156.3</b>	<b>-110</b>	<b>-98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-30</b>	<b>-138.8</b>	<b>-145</b>	<b>-98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>pH (s.u.)</b>	<b>BGWA-2 (bg)</b>	<b>-0.05116</b>	<b>-127</b>	<b>-111</b>	<b>Yes</b>	<b>25</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>pH (s.u.)</b>	<b>BGWA-47D (bg)</b>	<b>-0.1313</b>	<b>-67</b>	<b>-48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (s.u.)	BGWA-48D (bg)	-0.1821	-42	-48	No	14	0	n/a	n/a	0.01	NP
<b>pH (s.u.)</b>	<b>BGWC-16</b>	<b>-0.06314</b>	<b>-180</b>	<b>-105</b>	<b>Yes</b>	<b>24</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>pH (s.u.)</b>	<b>BGWC-22</b>	<b>-0.06121</b>	<b>-216</b>	<b>-124</b>	<b>Yes</b>	<b>27</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (s.u.)	BGWC-7	-0.02517	-73	-105	No	24	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>BGWA-2 (bg)</b>	<b>1.374</b>	<b>141</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-12</b>	<b>33.16</b>	<b>138</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	BGWC-14A	46.4	16	43	No	13	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>BGWC-16</b>	<b>16.89</b>	<b>113</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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

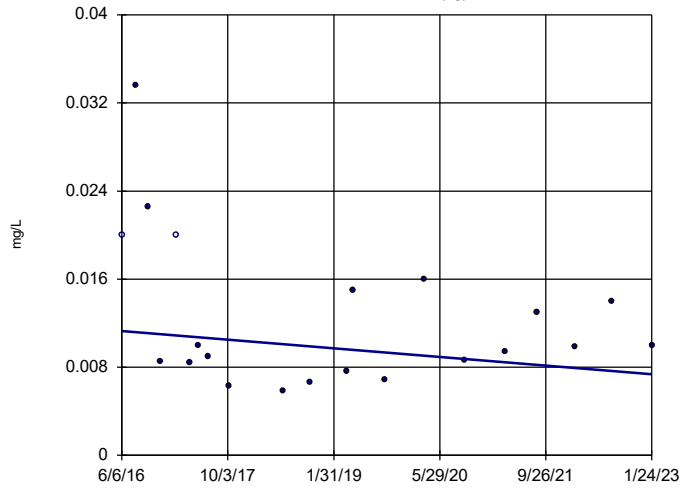
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/6/2023, 1:40 PM

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
<b>Sulfate (mg/L)</b>	<b>BGWC-7</b>	<b>-36.63</b>	<b>-99</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWA-2 (bg)</b>	<b>8.03</b>	<b>86</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-12</b>	<b>63.06</b>	<b>124</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids (mg/L)	BGWC-14A	53.18	18	43	No	13	0	n/a	n/a	0.01	NP
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-16</b>	<b>22.88</b>	<b>86</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids (mg/L)	BGWC-20	29.53	78	81	No	20	0	n/a	n/a	0.01	NP
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-22</b>	<b>207.9</b>	<b>96</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-23</b>	<b>229.6</b>	<b>128</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids (mg/L)	BGWC-24	-247.1	-68	-87	No	21	0	n/a	n/a	0.01	NP
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-30</b>	<b>-346.1</b>	<b>-124</b>	<b>-87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-7</b>	<b>-48</b>	<b>-118</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>



### Sen's Slope Estimator

BGWA-2 (bg)

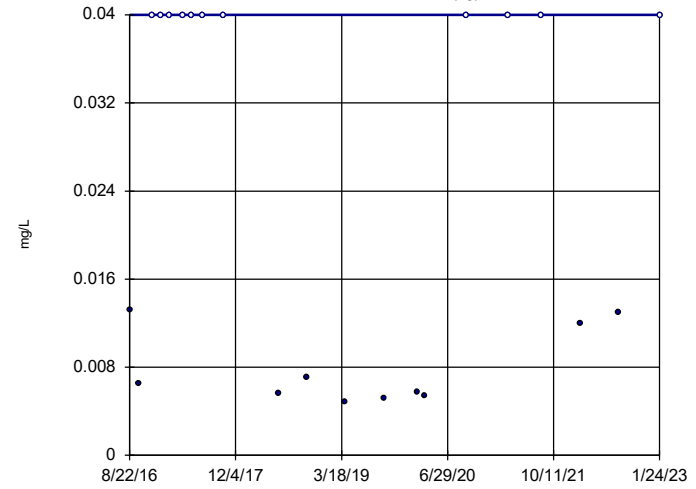


n = 21  
Slope = -0.0005906  
units per year.  
Mann-Kendall  
statistic = -20  
critical = -87  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

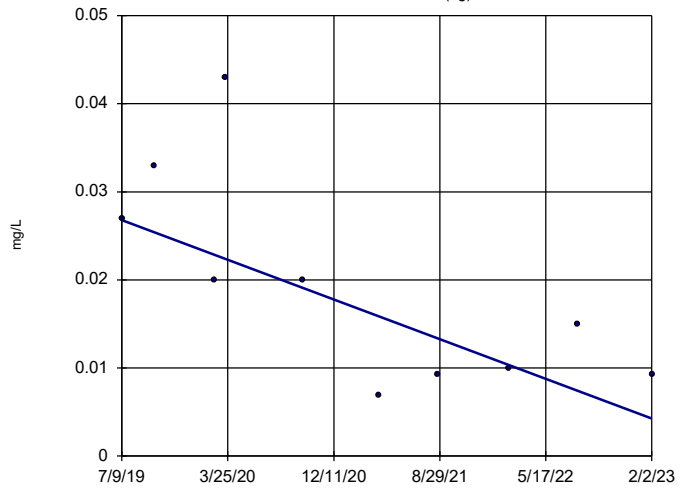


n = 21  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = -13  
critical = -87  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

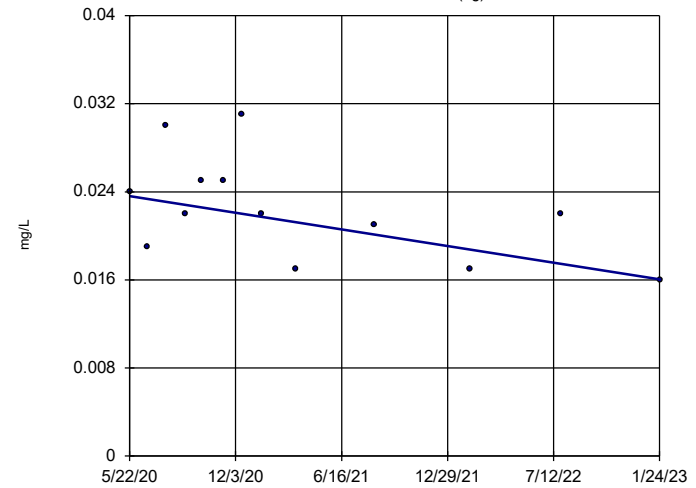


n = 10  
Slope = -0.006311  
units per year.  
Mann-Kendall  
statistic = -22  
critical = -30  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

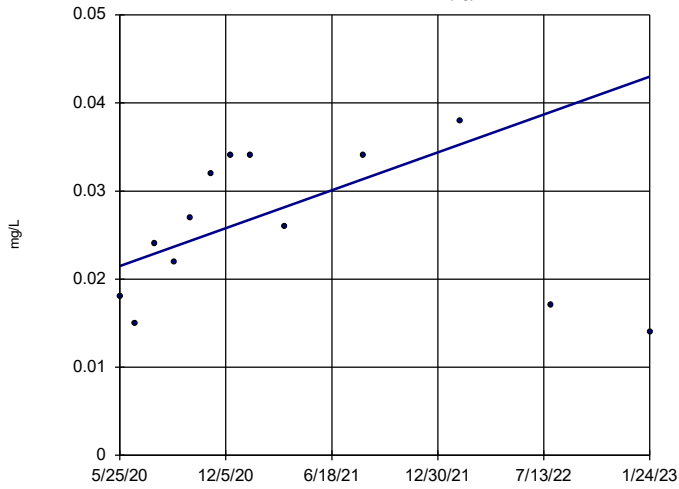


n = 13  
Slope = -0.002819  
units per year.  
Mann-Kendall  
statistic = -29  
critical = -43  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

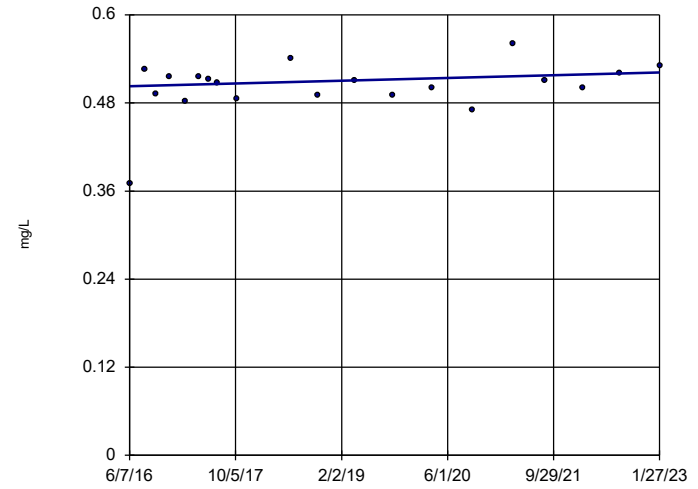


n = 13  
 Slope = 0.008052 units per year.  
 Mann-Kendall statistic = 19  
 critical = 43  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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

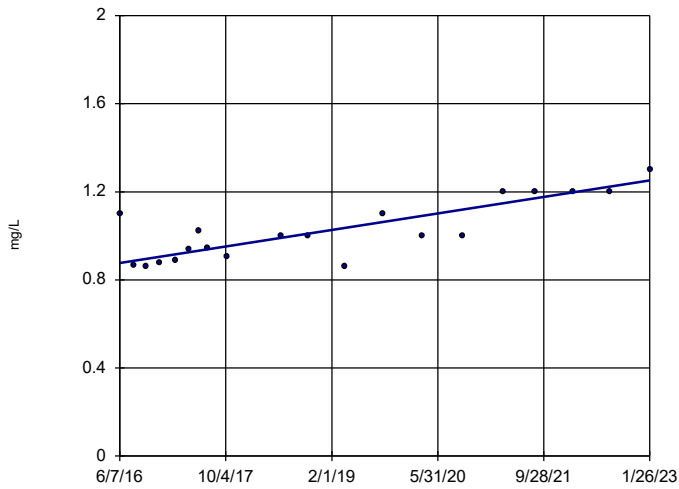


n = 20  
 Slope = 0.0028 units per year.  
 Mann-Kendall statistic = 28  
 critical = 81  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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-12

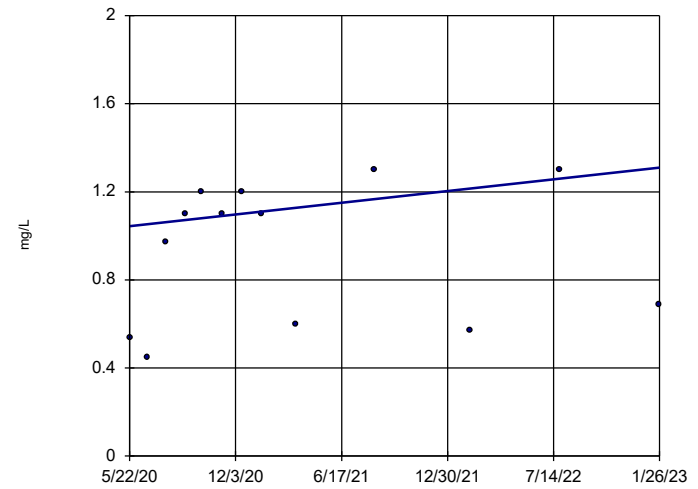


n = 20  
 Slope = 0.05638 units per year.  
 Mann-Kendall statistic = 109  
 critical = 81  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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-14A

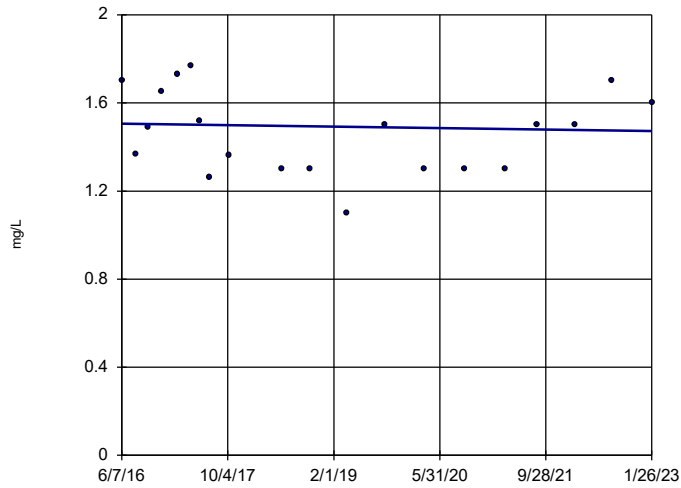


n = 13  
 Slope = 0.099 units per year.  
 Mann-Kendall statistic = 21  
 critical = 43  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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-16

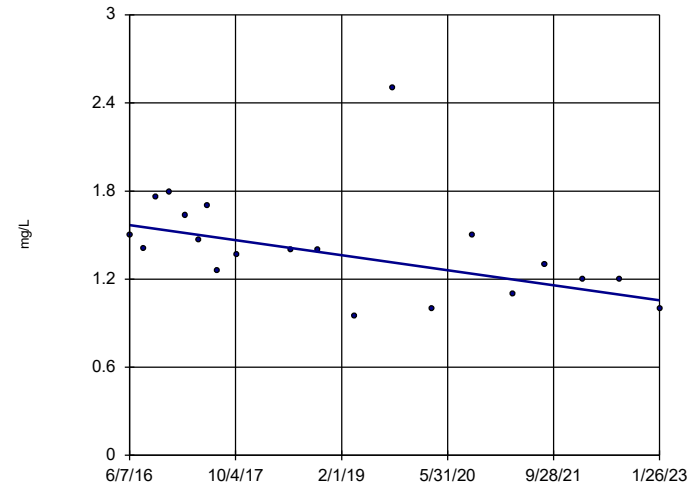


n = 20  
 Slope = -0.005124  
 units per year.  
 Mann-Kendall  
 statistic = -18  
 critical = -81  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

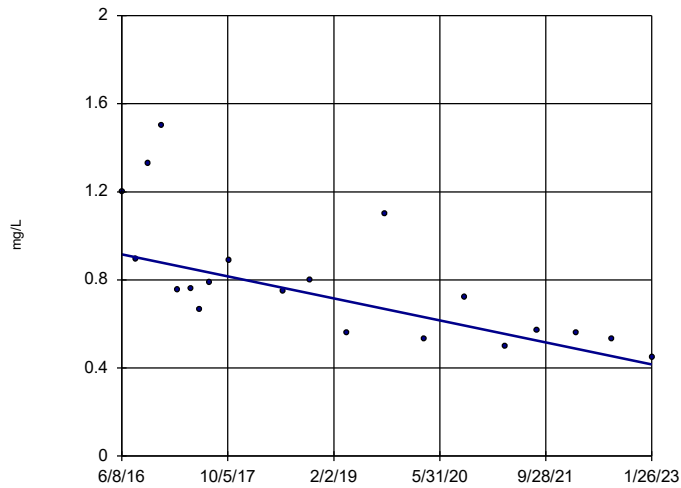


n = 20  
 Slope = -0.07724  
 units per year.  
 Mann-Kendall  
 statistic = -84  
 critical = -81  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

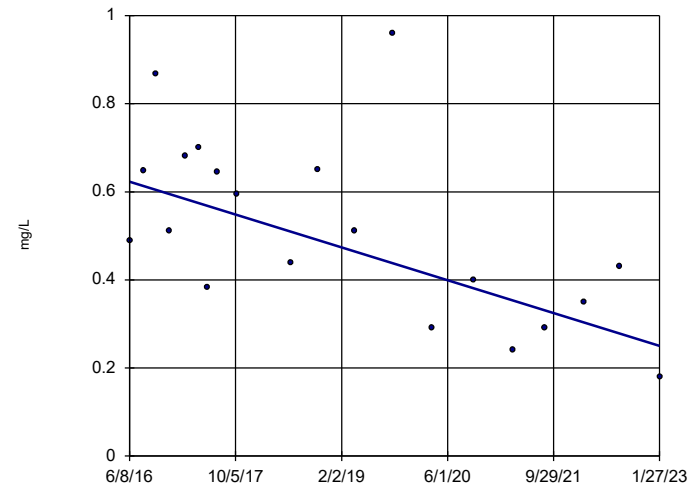


n = 20  
 Slope = -0.07522  
 units per year.  
 Mann-Kendall  
 statistic = -114  
 critical = -81  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

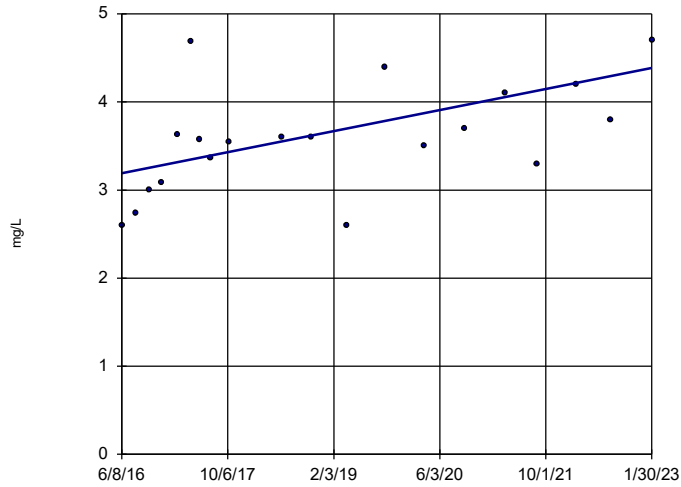


n = 20  
 Slope = -0.05615  
 units per year.  
 Mann-Kendall  
 statistic = -84  
 critical = -81  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

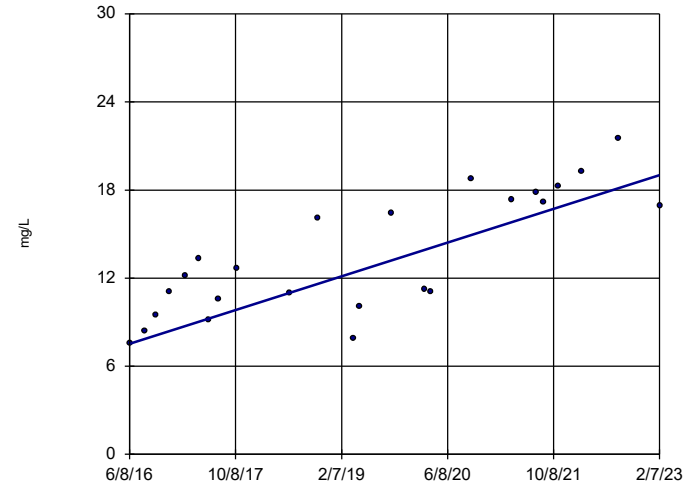


n = 20  
 Slope = 0.1801  
 units per year.  
 Mann-Kendall  
 statistic = 86  
 critical = 81  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

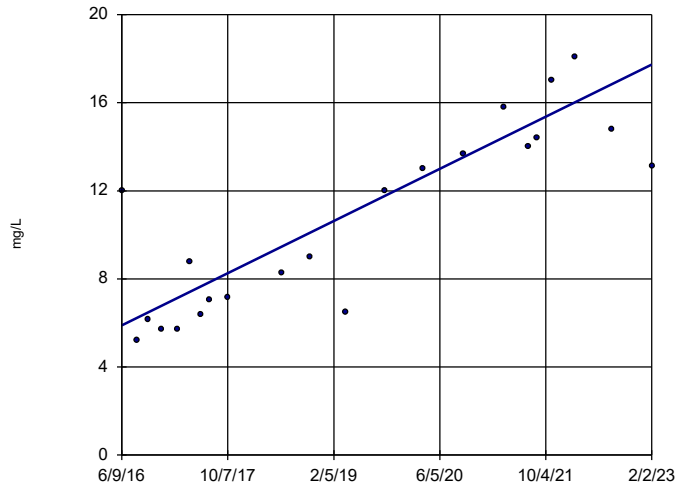


n = 24  
 Slope = 1.721  
 units per year.  
 Mann-Kendall  
 statistic = 169  
 critical = 105  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

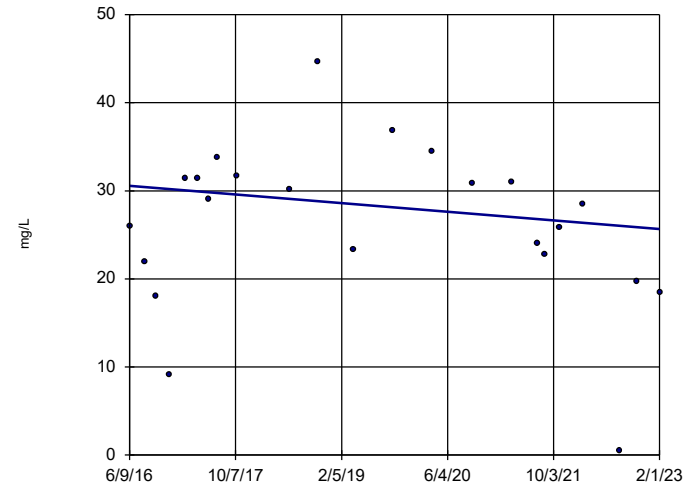


n = 22  
 Slope = 1.781  
 units per year.  
 Mann-Kendall  
 statistic = 161  
 critical = 92  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

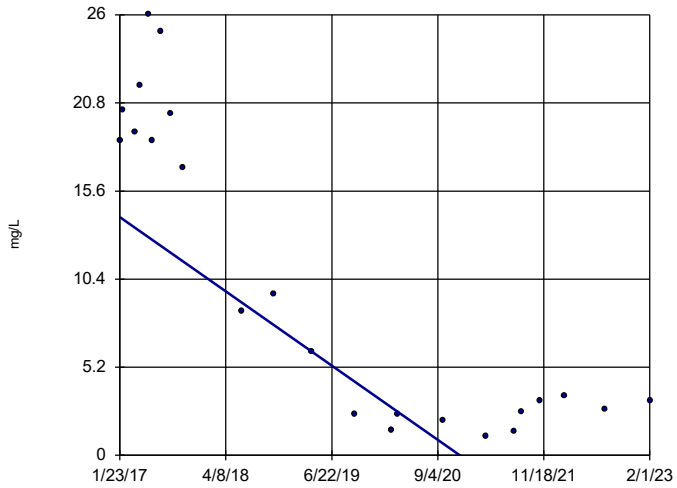


n = 23  
 Slope = -0.7355  
 units per year.  
 Mann-Kendall  
 statistic = -36  
 critical = -98  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

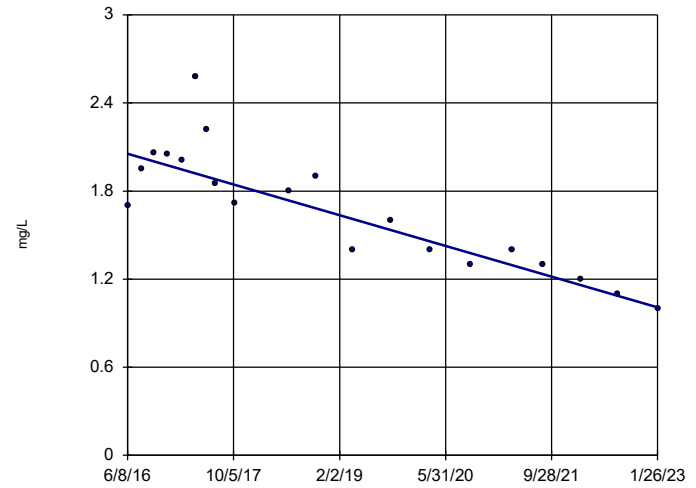


n = 23  
 Slope = -3.633  
 units per year.  
 Mann-Kendall  
 statistic = -136  
 critical = -98  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

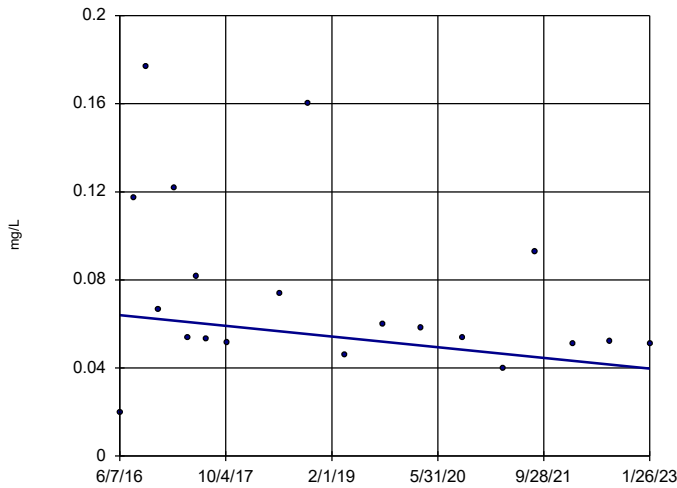


n = 20  
 Slope = -0.1575  
 units per year.  
 Mann-Kendall  
 statistic = -132  
 critical = -81  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

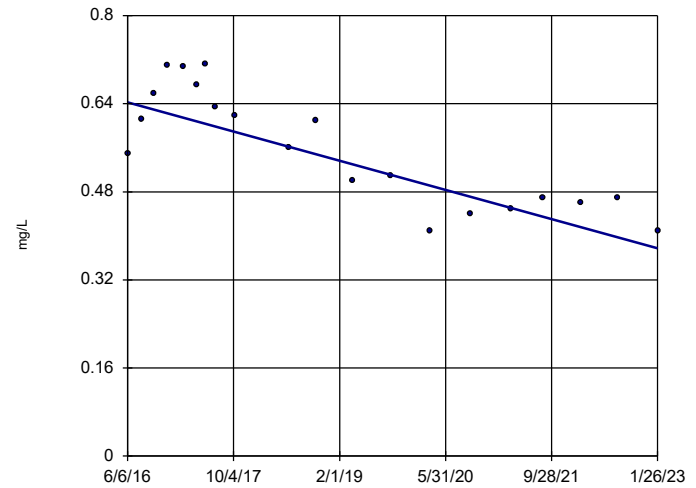


n = 20  
 Slope = -0.003648  
 units per year.  
 Mann-Kendall  
 statistic = -56  
 critical = -81  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

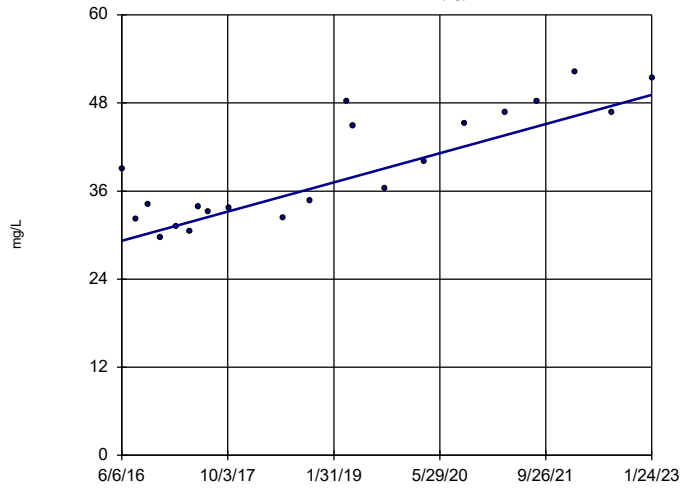


n = 20  
 Slope = -0.03986  
 units per year.  
 Mann-Kendall  
 statistic = -110  
 critical = -81  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

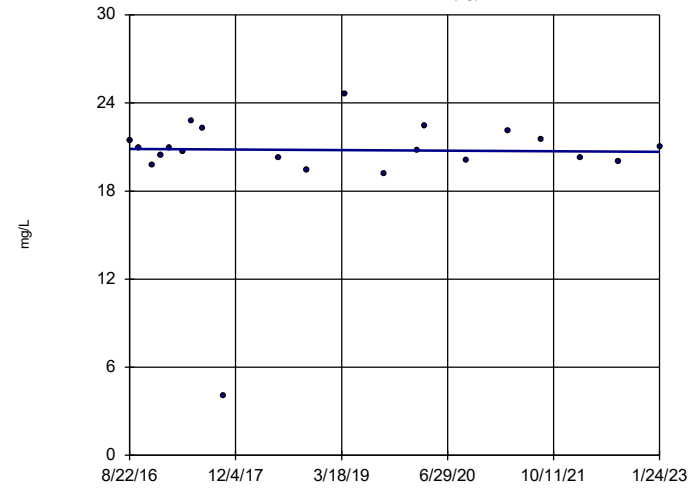


n = 21  
 Slope = 2.99  
 units per year.  
 Mann-Kendall  
 statistic = 133  
 critical = 87  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

BGWA-29 (bg)

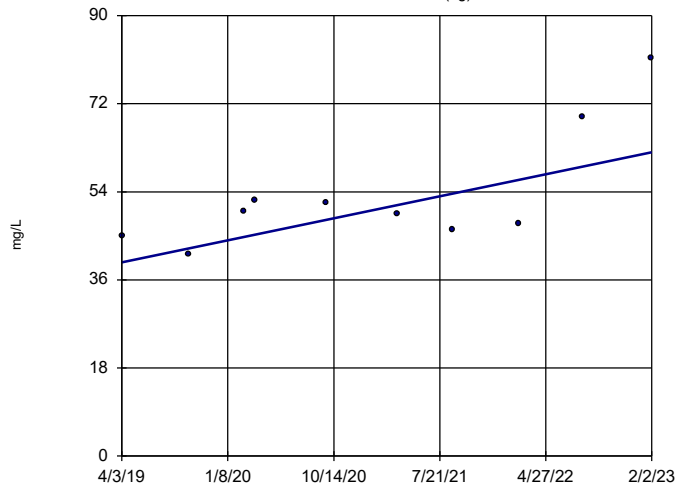


n = 21  
 Slope = -0.03139  
 units per year.  
 Mann-Kendall  
 statistic = -6  
 critical = -87  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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-33 (bg)

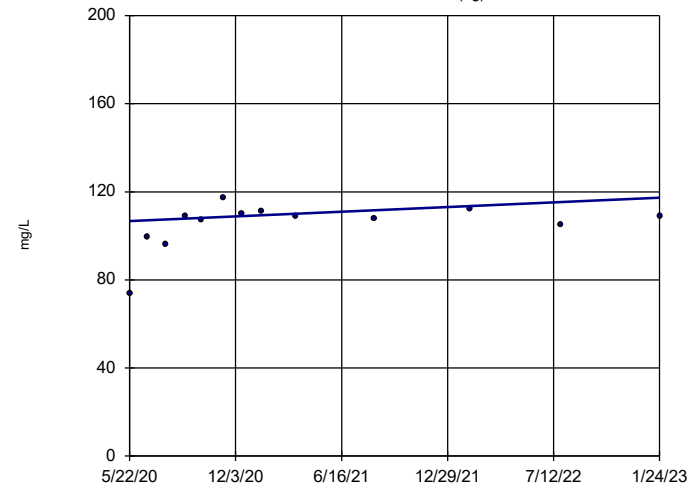


n = 10  
 Slope = 5.858  
 units per year.  
 Mann-Kendall  
 statistic = 19  
 critical = 30  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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-47D (bg)

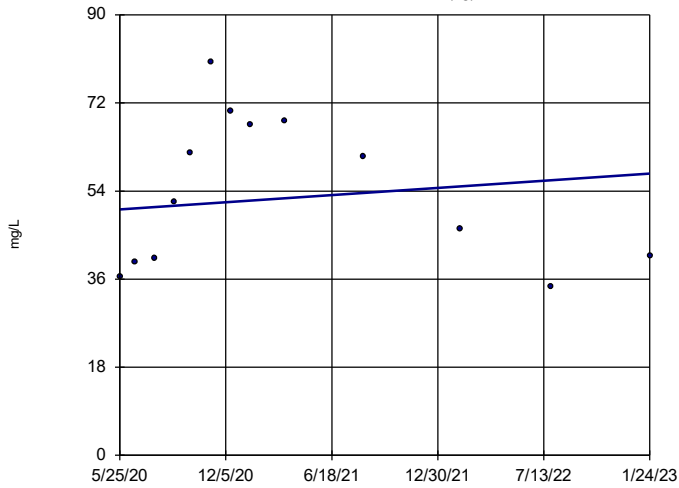


n = 13  
 Slope = 3.925  
 units per year.  
 Mann-Kendall  
 statistic = 25  
 critical = 43  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

BGWA-48D (bg)

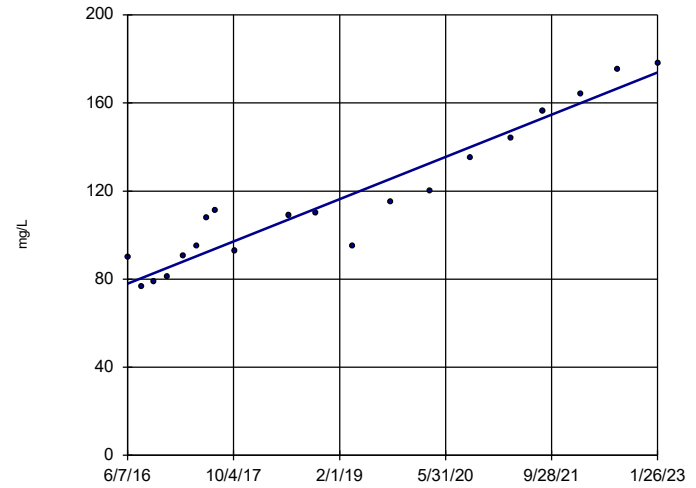


n = 13  
 Slope = 2.739  
 units per year.  
 Mann-Kendall  
 statistic = 6  
 critical = 43  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

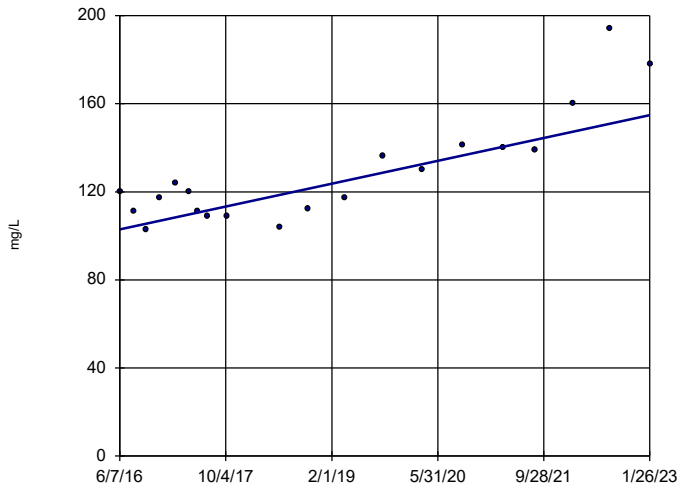


n = 20  
 Slope = 14.44  
 units per year.  
 Mann-Kendall  
 statistic = 165  
 critical = 81  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

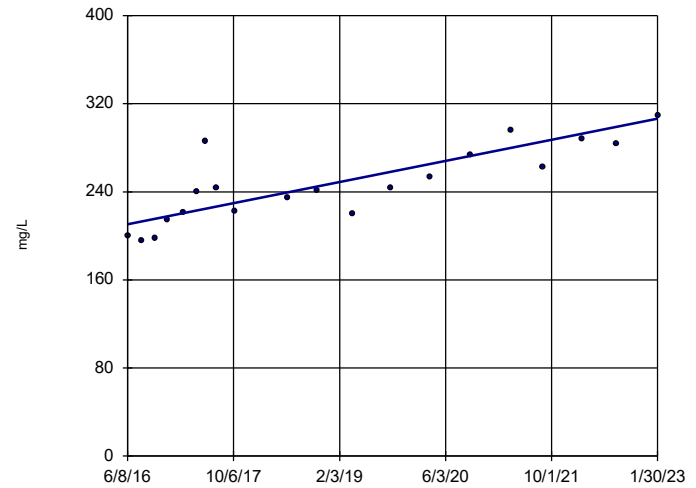


n = 20  
 Slope = 7.825  
 units per year.  
 Mann-Kendall  
 statistic = 104  
 critical = 81  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

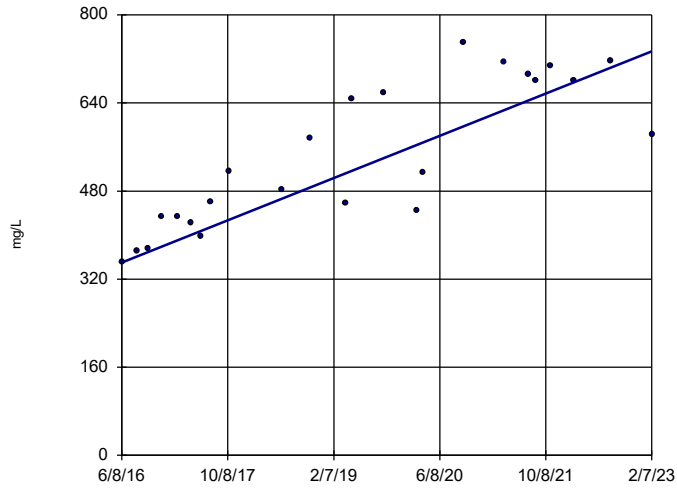


n = 20  
 Slope = 14.42  
 units per year.  
 Mann-Kendall  
 statistic = 132  
 critical = 81  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

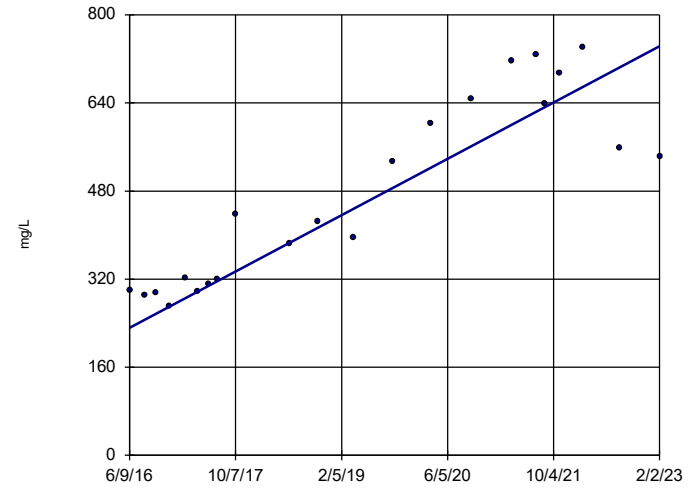


n = 24  
 Slope = 57.52 units per year.  
 Mann-Kendall statistic = 187  
 critical = 105  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

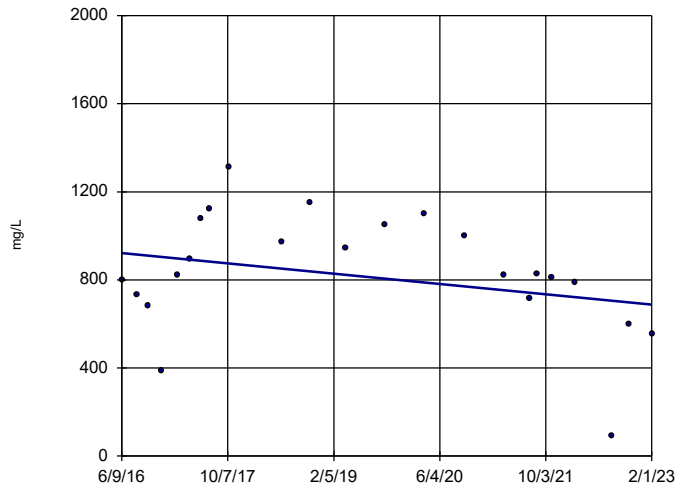


n = 22  
 Slope = 76.87 units per year.  
 Mann-Kendall statistic = 165  
 critical = 92  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

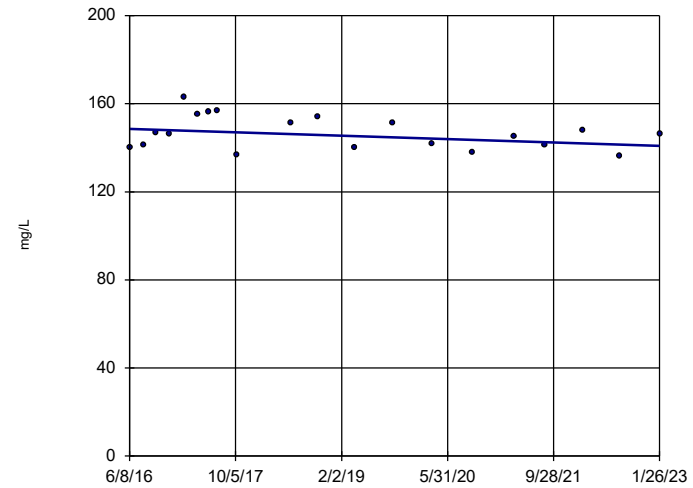


n = 23  
 Slope = -35.1 units per year.  
 Mann-Kendall statistic = -47  
 critical = -98  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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



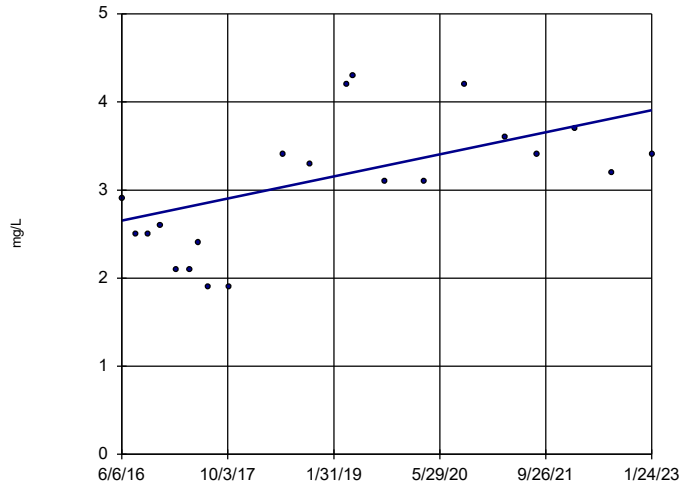
n = 20  
 Slope = -1.146 units per year.  
 Mann-Kendall statistic = -34  
 critical = -81  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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

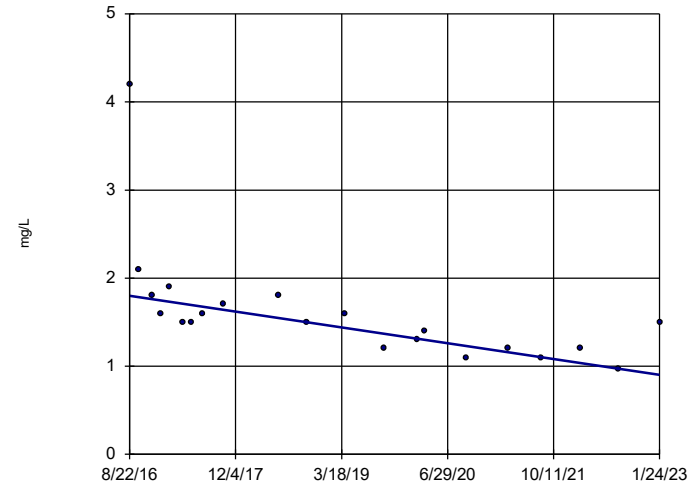
BGWA-2 (bg)



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

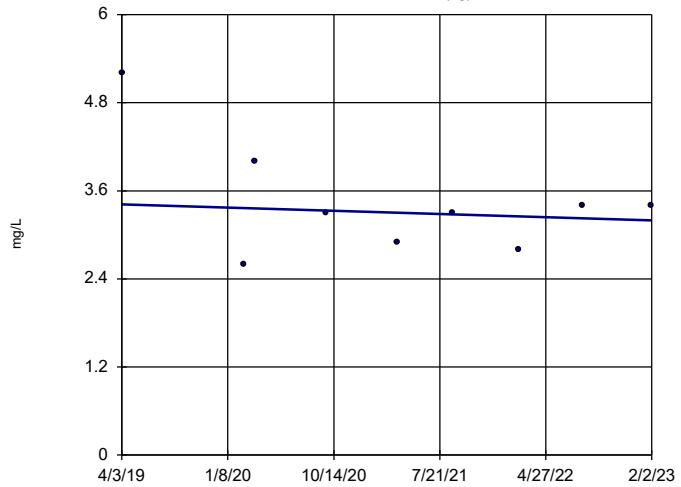
BGWA-29 (bg)



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

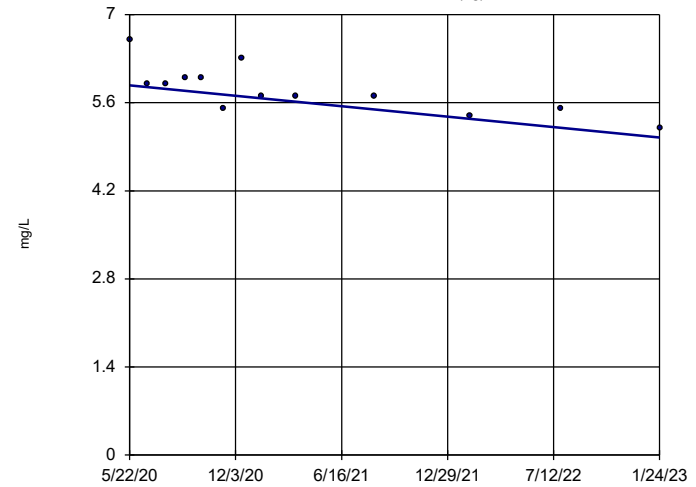
BGWA-33 (bg)



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

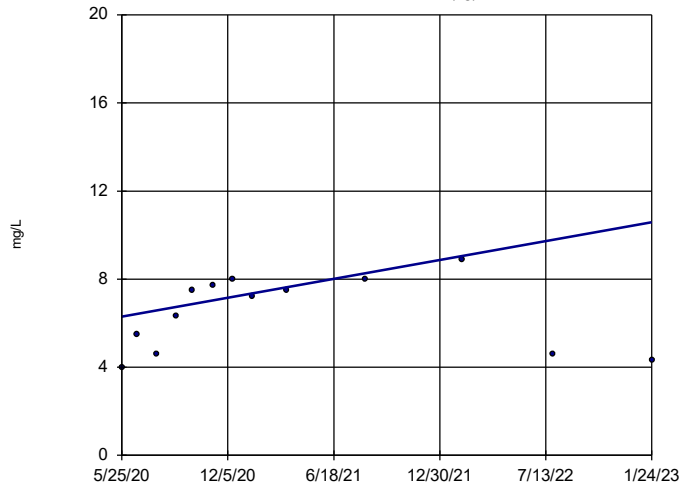
BGWA-47D (bg)



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-48D (bg)

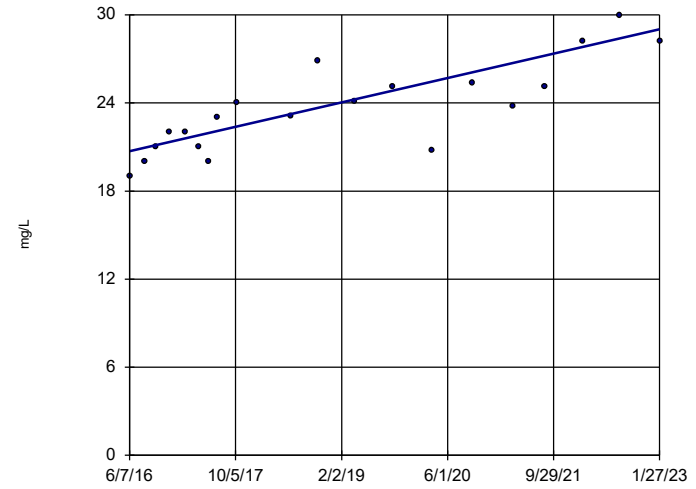


n = 13  
 Slope = 1.602  
 units per year.  
 Mann-Kendall  
 statistic = 23  
 critical = 43  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

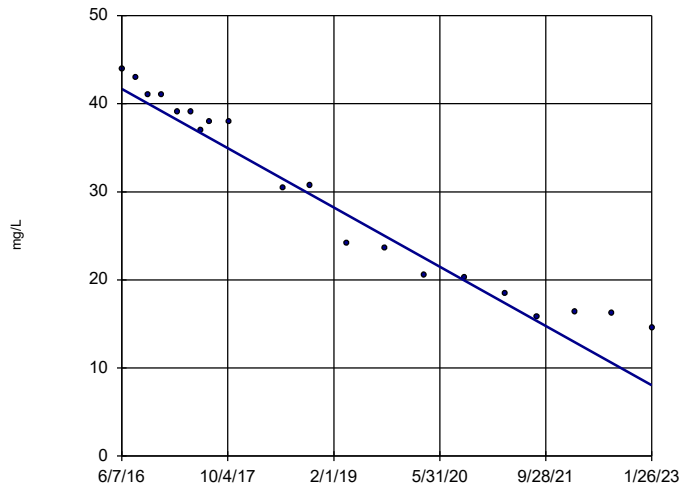


n = 20  
 Slope = 1.249  
 units per year.  
 Mann-Kendall  
 statistic = 129  
 critical = 81  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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-12

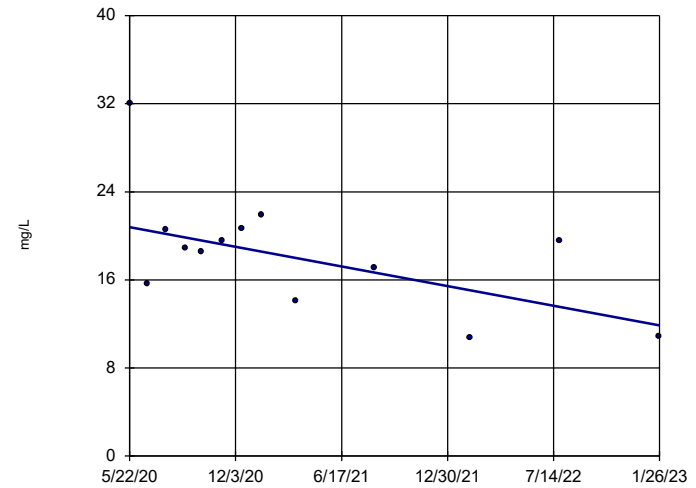


n = 20  
 Slope = -5.069  
 units per year.  
 Mann-Kendall  
 statistic = -177  
 critical = -81  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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-14A

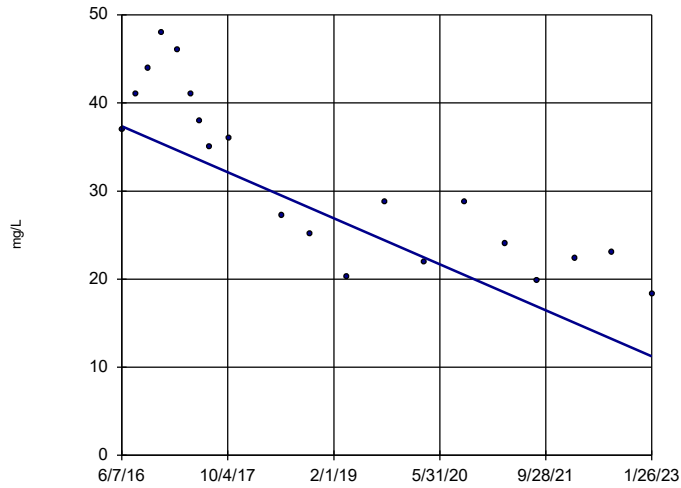


n = 13  
 Slope = -3.326  
 units per year.  
 Mann-Kendall  
 statistic = -25  
 critical = -43  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

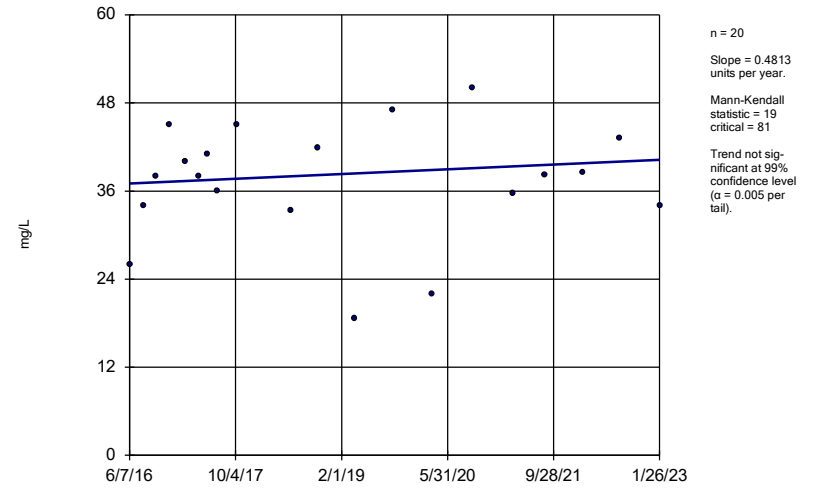
BGWC-16



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

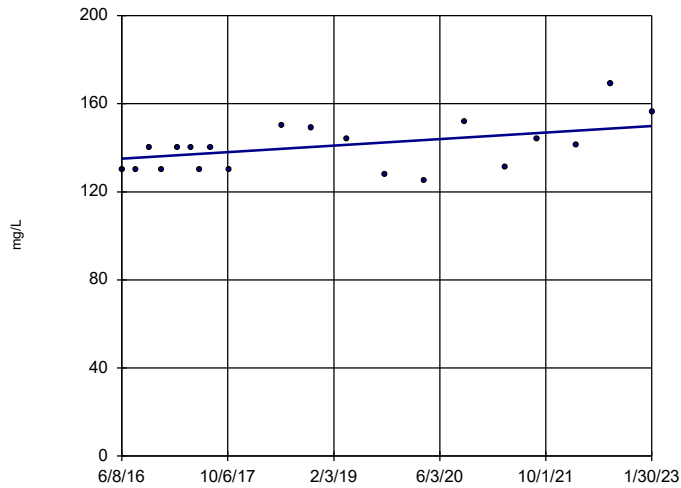
BGWC-17



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

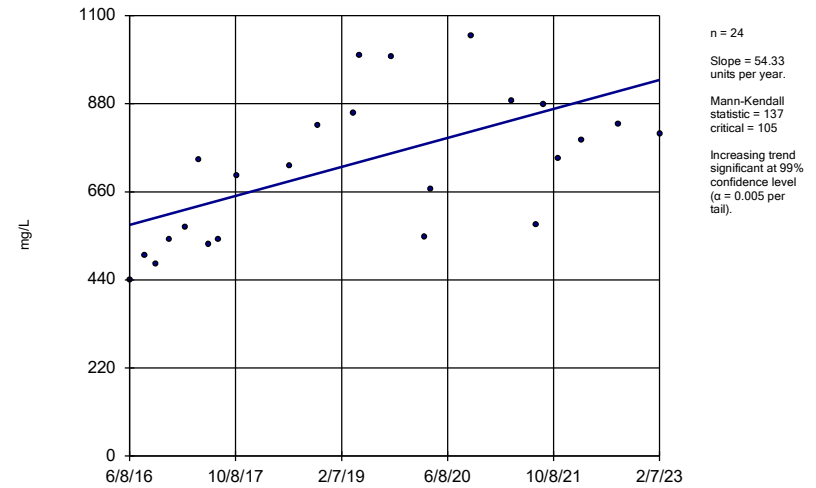
BGWC-20



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

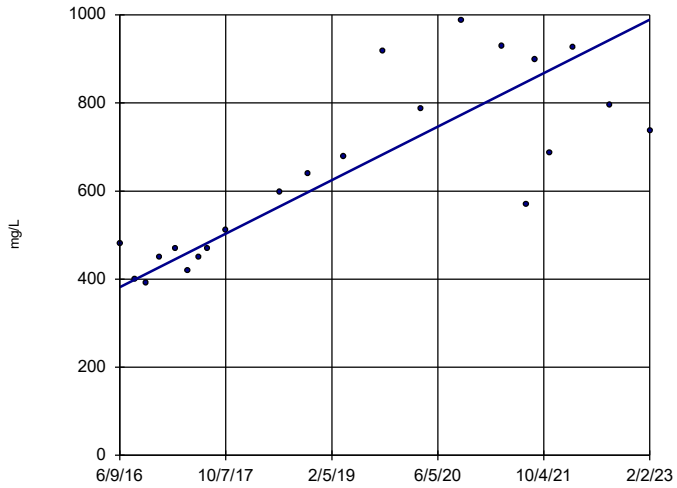
BGWC-22



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

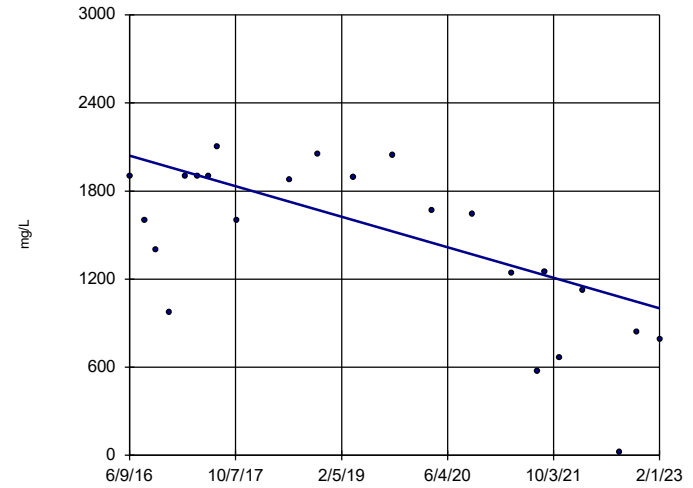


n = 22  
 Slope = 91.25  
 units per year.  
 Mann-Kendall  
 statistic = 145  
 critical = 92  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

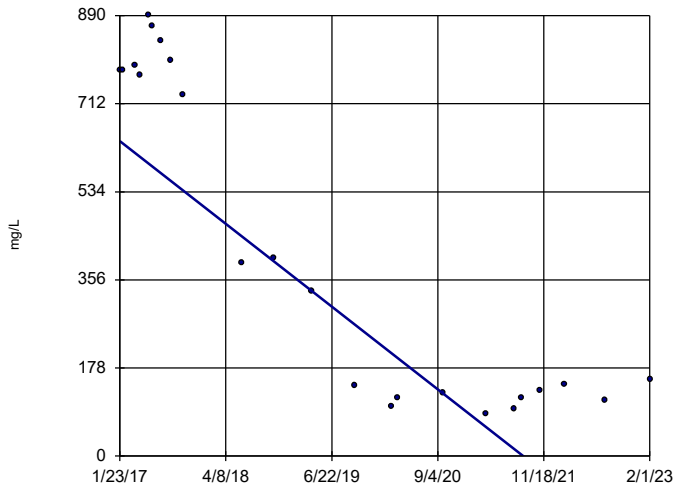


n = 23  
 Slope = -156.3  
 units per year.  
 Mann-Kendall  
 statistic = -110  
 critical = -98  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

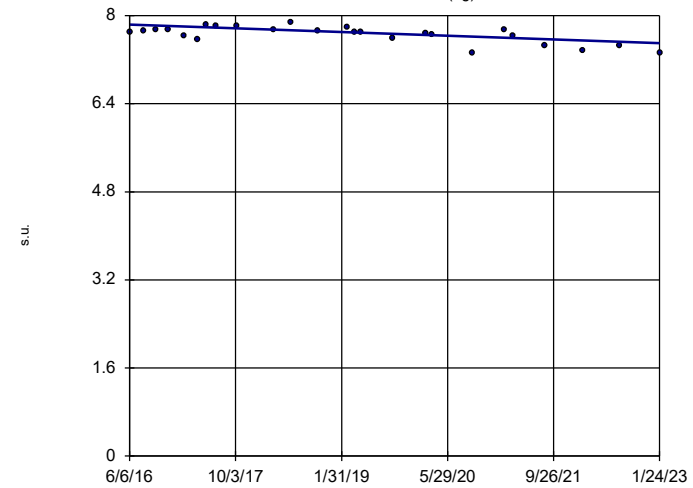


n = 23  
 Slope = -138.8  
 units per year.  
 Mann-Kendall  
 statistic = -145  
 critical = -98  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

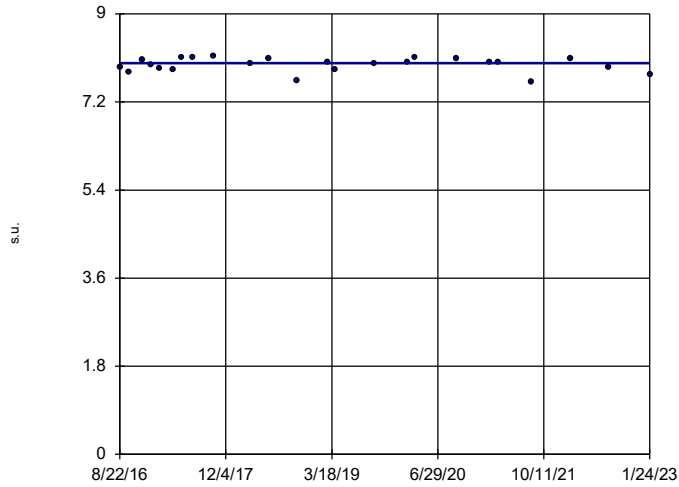


n = 25  
 Slope = -0.05116  
 units per year.  
 Mann-Kendall  
 statistic = -127  
 critical = -111  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

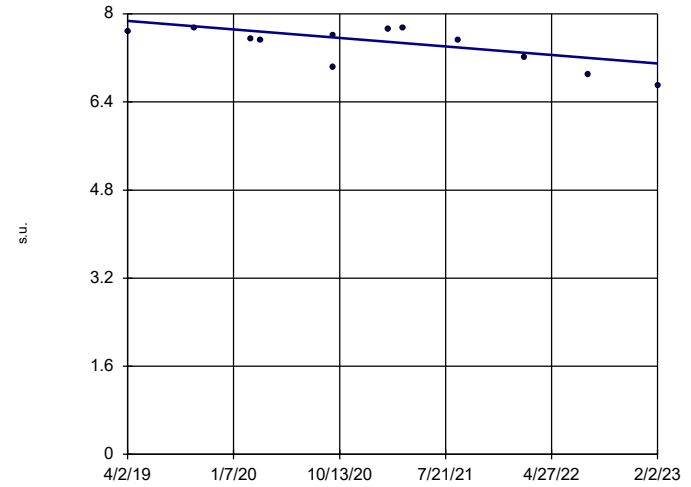


n = 24  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = -2  
 critical = -105  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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)

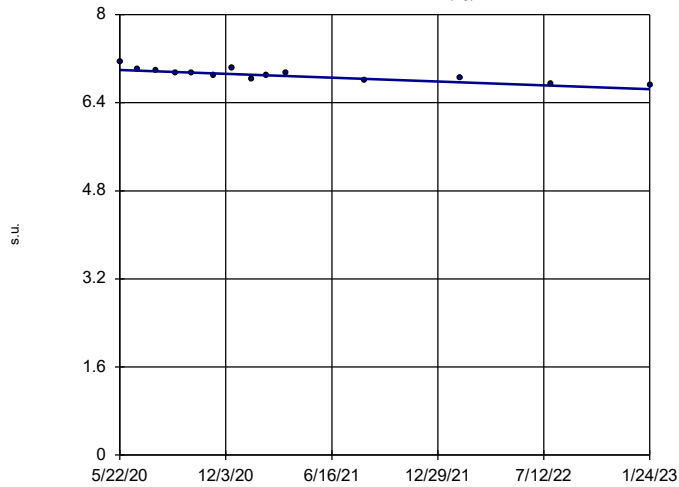


n = 12  
 Slope = -0.2013  
 units per year.  
 Mann-Kendall  
 statistic = -33  
 critical = -38  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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-47D (bg)

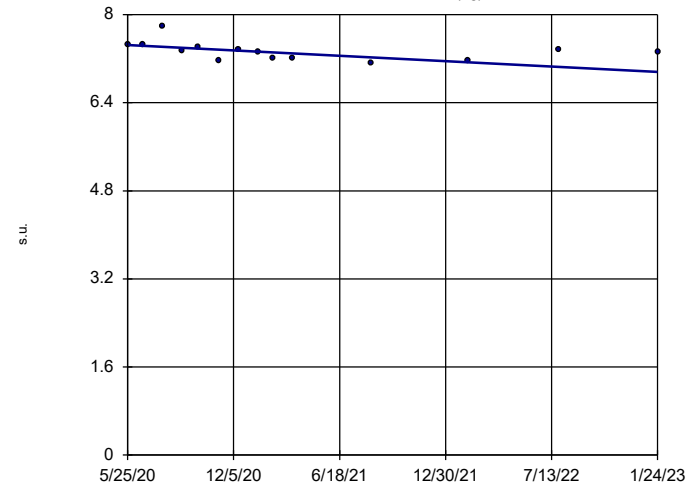


n = 14  
 Slope = -0.1313  
 units per year.  
 Mann-Kendall  
 statistic = -67  
 critical = -48  
 Decreasing trend  
 significant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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-48D (bg)

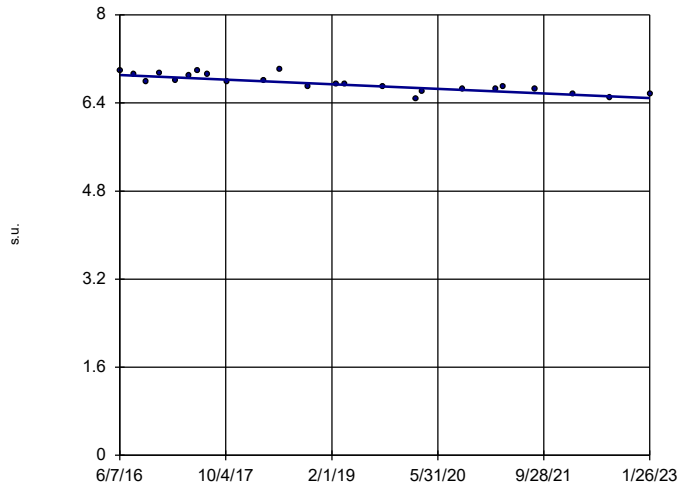


n = 14  
 Slope = -0.1821  
 units per year.  
 Mann-Kendall  
 statistic = -42  
 critical = -48  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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

BGWC-16

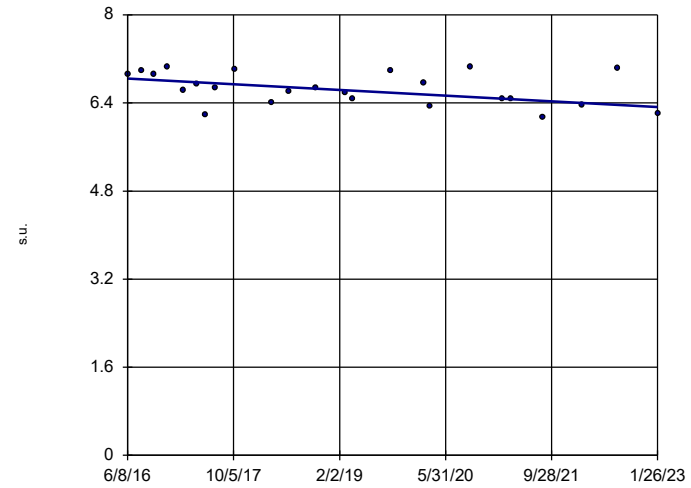


n = 24  
 Slope = -0.06314  
 units per year.  
 Mann-Kendall  
 statistic = -180  
 critical = -105  
 Decreasing trend  
 significant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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

BGWC-18

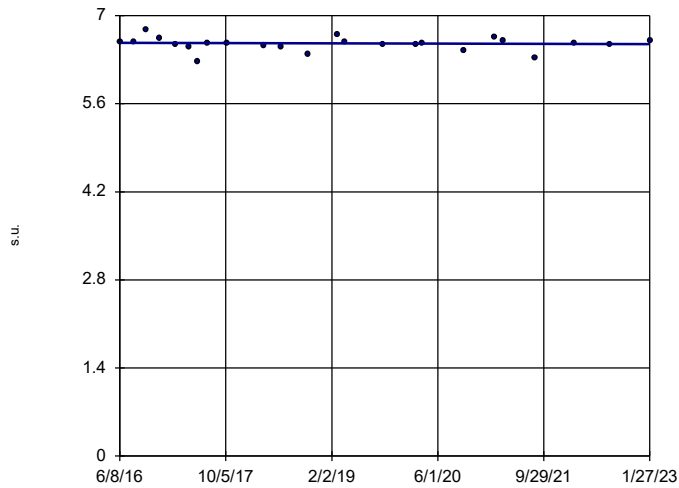


n = 24  
 Slope = -0.07728  
 units per year.  
 Mann-Kendall  
 statistic = -85  
 critical = -105  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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

BGWC-19

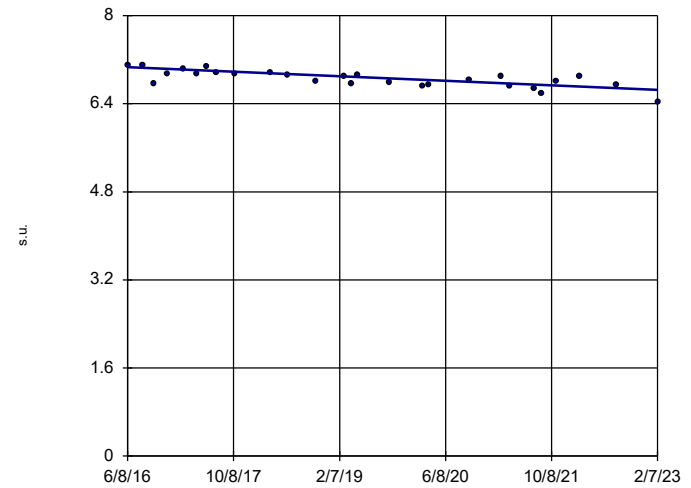


n = 24  
 Slope = -0.003283  
 units per year.  
 Mann-Kendall  
 statistic = -17  
 critical = -105  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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

BGWC-22

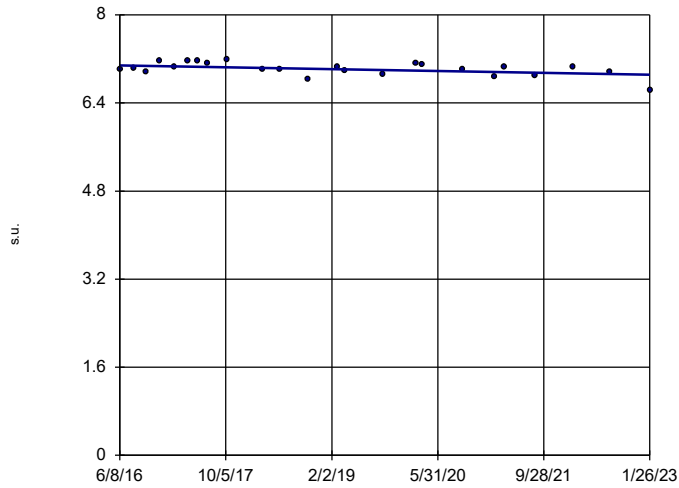


n = 27  
 Slope = -0.06121  
 units per year.  
 Mann-Kendall  
 statistic = -216  
 critical = -124  
 Decreasing trend  
 significant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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

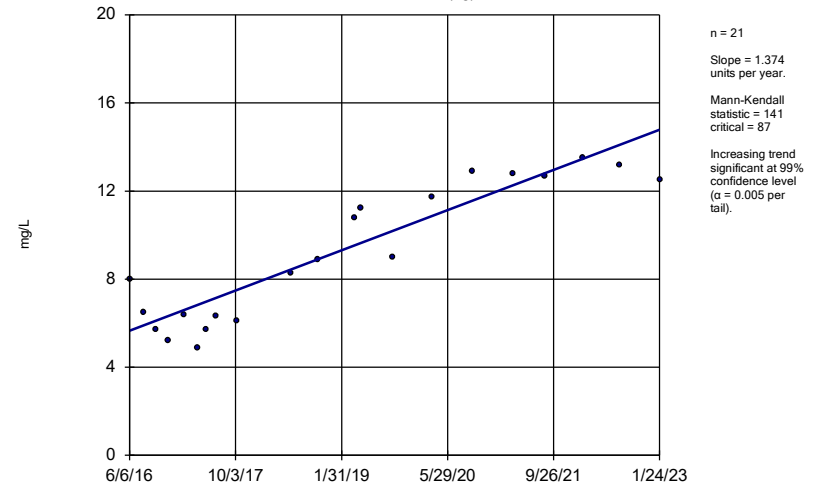
BGWC-7



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

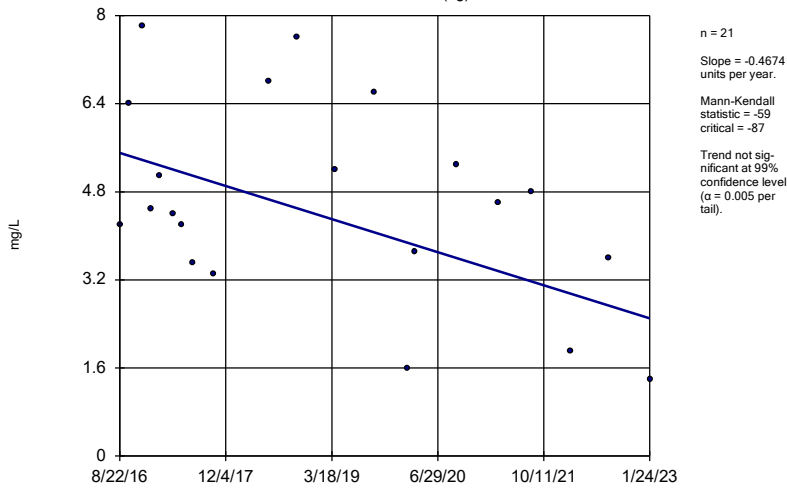
BGWA-2 (bg)



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

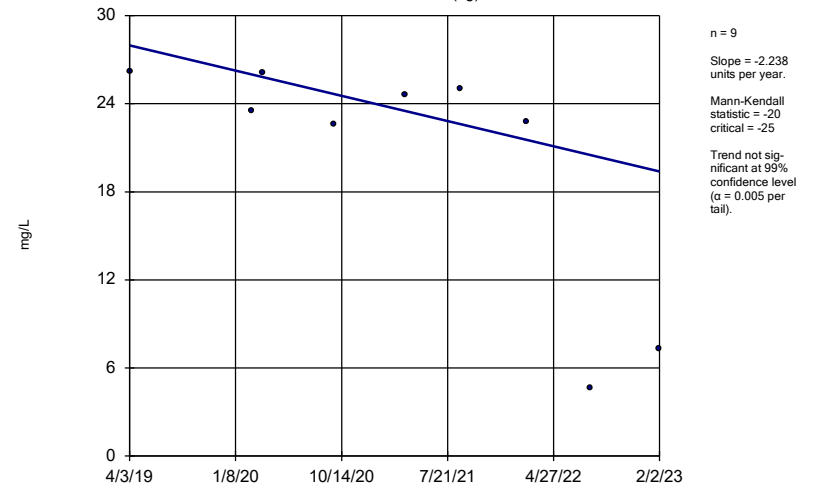
BGWA-29 (bg)



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

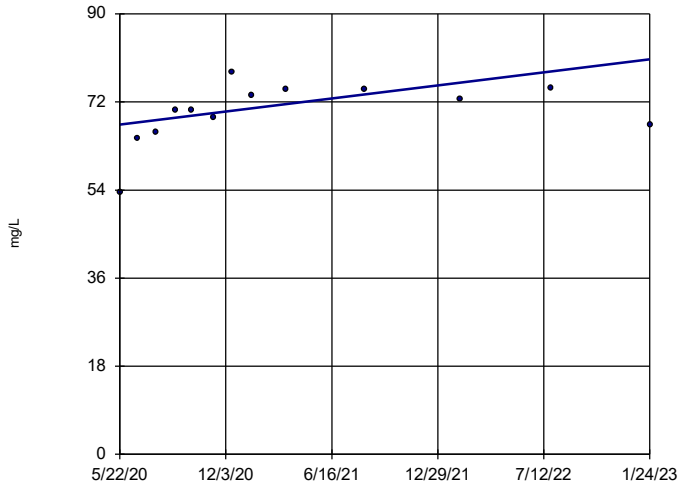
BGWA-33 (bg)



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)

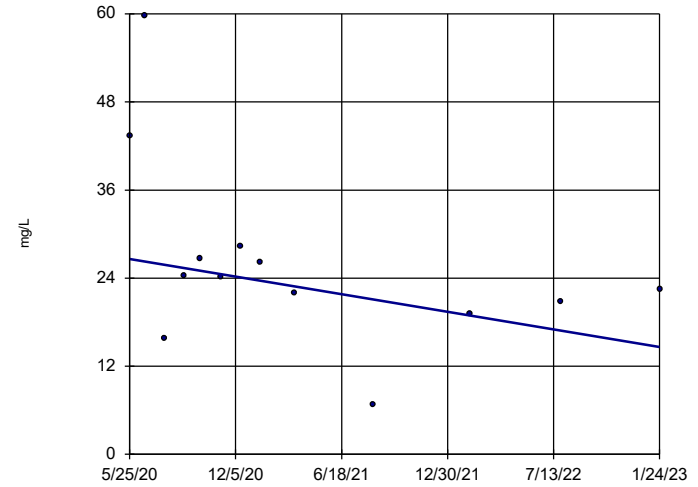


n = 13  
 Slope = 4.998  
 units per year.  
 Mann-Kendall  
 statistic = 38  
 critical = 43  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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)

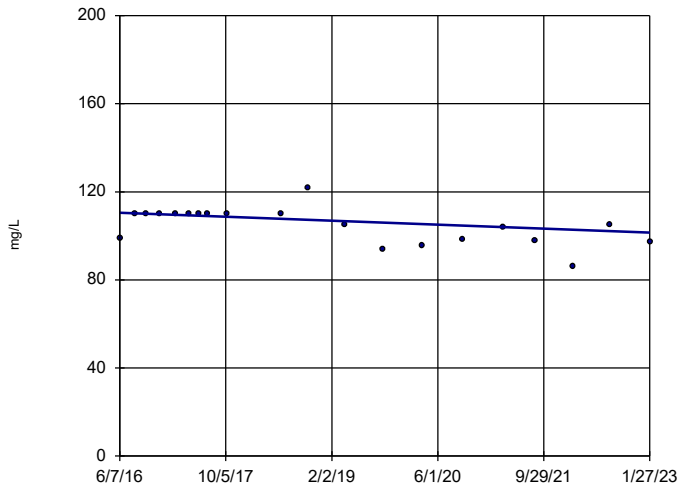


n = 13  
 Slope = -4.485  
 units per year.  
 Mann-Kendall  
 statistic = -32  
 critical = -43  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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

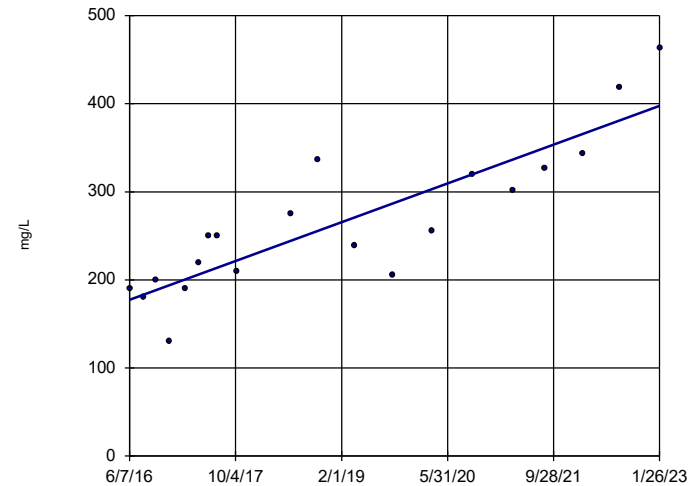


n = 20  
 Slope = -1.365  
 units per year.  
 Mann-Kendall  
 statistic = -75  
 critical = -81  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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



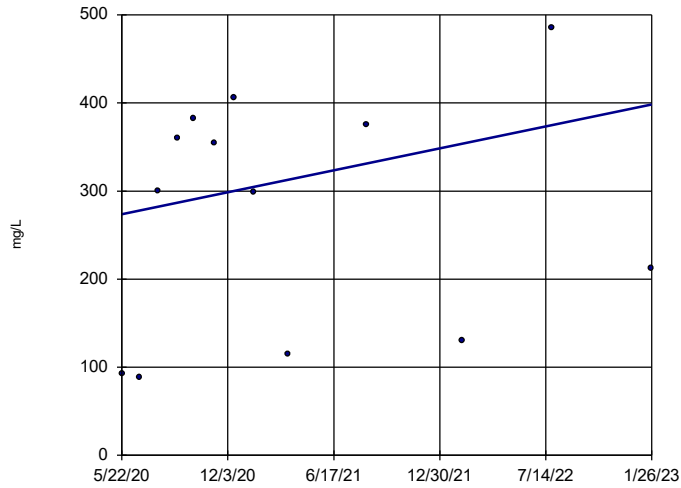
n = 20  
 Slope = 33.16  
 units per year.  
 Mann-Kendall  
 statistic = 138  
 critical = 81  
 Increasing trend  
 significant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

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

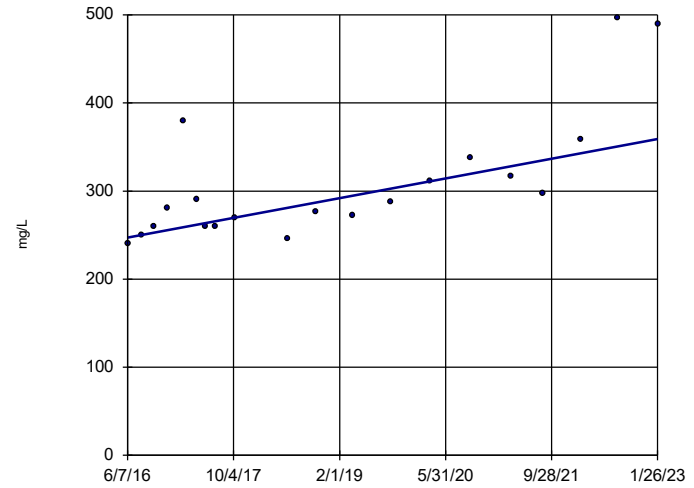


n = 13  
 Slope = 46.4  
 units per year.  
 Mann-Kendall  
 statistic = 16  
 critical = 43  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

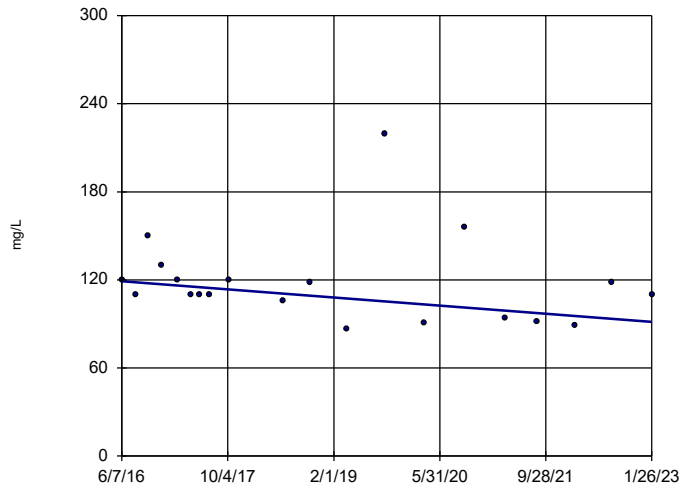


n = 20  
 Slope = 16.89  
 units per year.  
 Mann-Kendall  
 statistic = 113  
 critical = 81  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

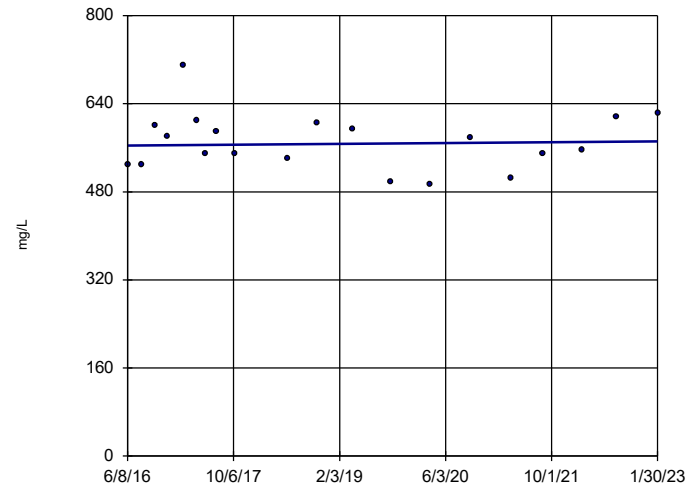


n = 20  
 Slope = -4.183  
 units per year.  
 Mann-Kendall  
 statistic = -54  
 critical = -81  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

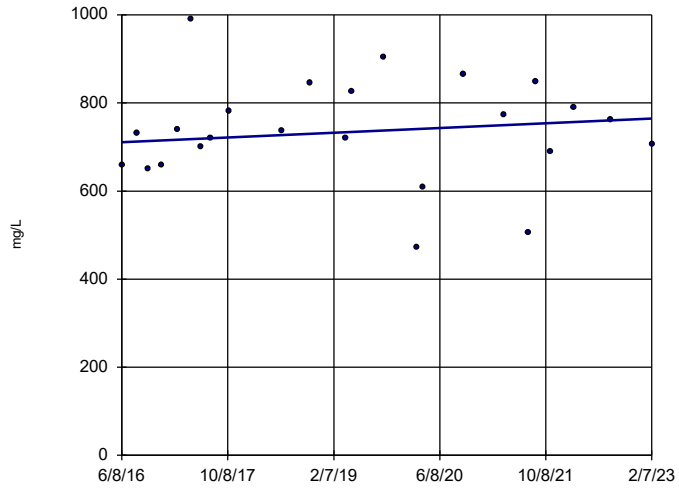


n = 20  
 Slope = 1.104  
 units per year.  
 Mann-Kendall  
 statistic = 6  
 critical = 81  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

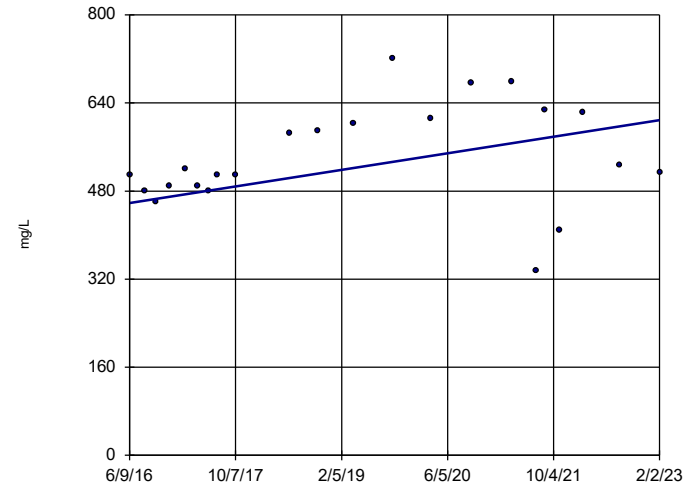


n = 24  
 Slope = 8.116  
 units per year.  
 Mann-Kendall  
 statistic = 28  
 critical = 105  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

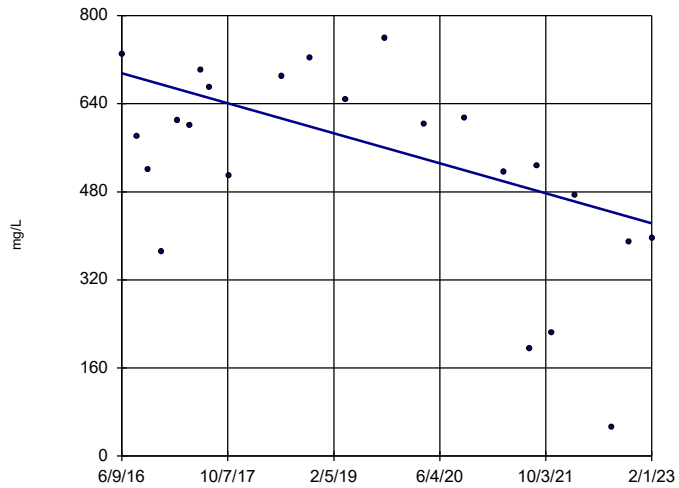


n = 22  
 Slope = 22.66  
 units per year.  
 Mann-Kendall  
 statistic = 76  
 critical = 92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

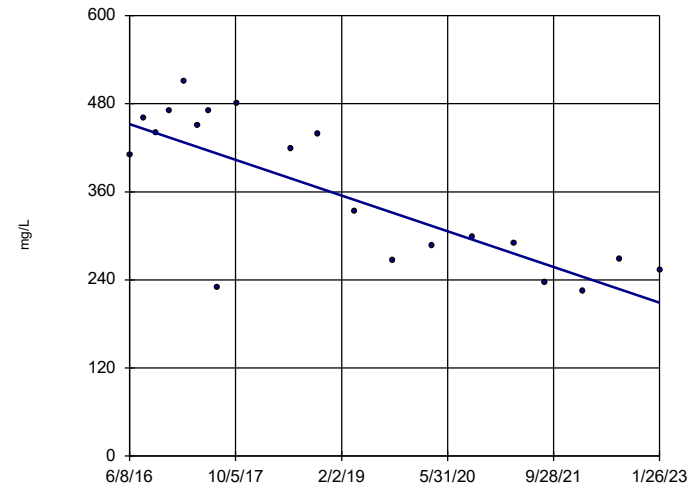


n = 23  
 Slope = -41  
 units per year.  
 Mann-Kendall  
 statistic = -87  
 critical = -98  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

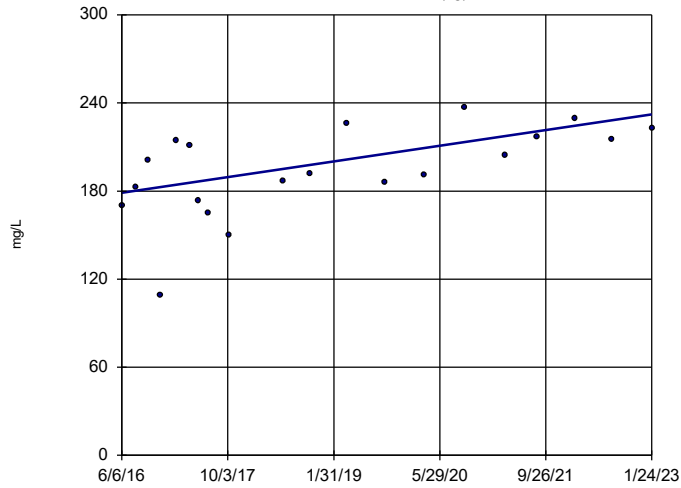


n = 20  
 Slope = -36.63  
 units per year.  
 Mann-Kendall  
 statistic = -99  
 critical = -81  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

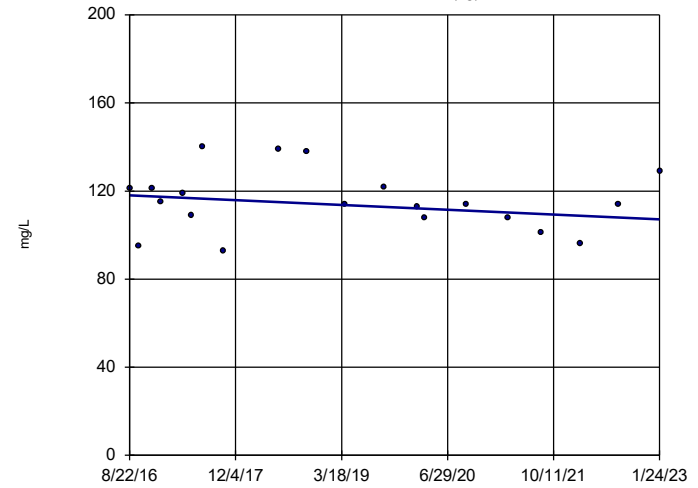


n = 20  
 Slope = 8.03  
 units per year.  
 Mann-Kendall  
 statistic = 86  
 critical = 81  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

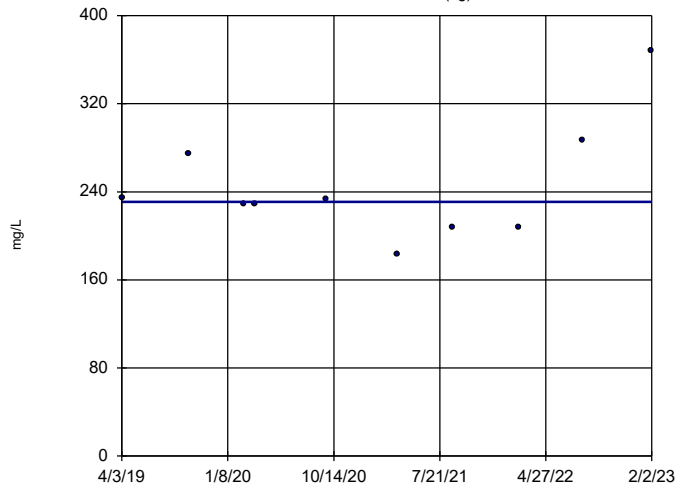


n = 20  
 Slope = -1.689  
 units per year.  
 Mann-Kendall  
 statistic = -33  
 critical = -81  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

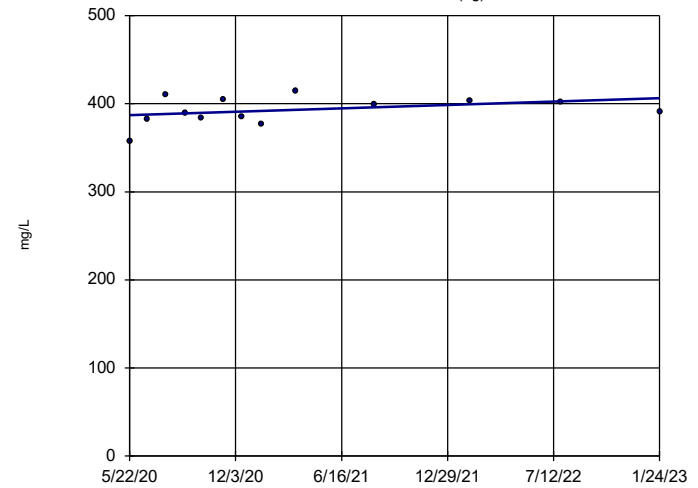


n = 10  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 1  
 critical = 30  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

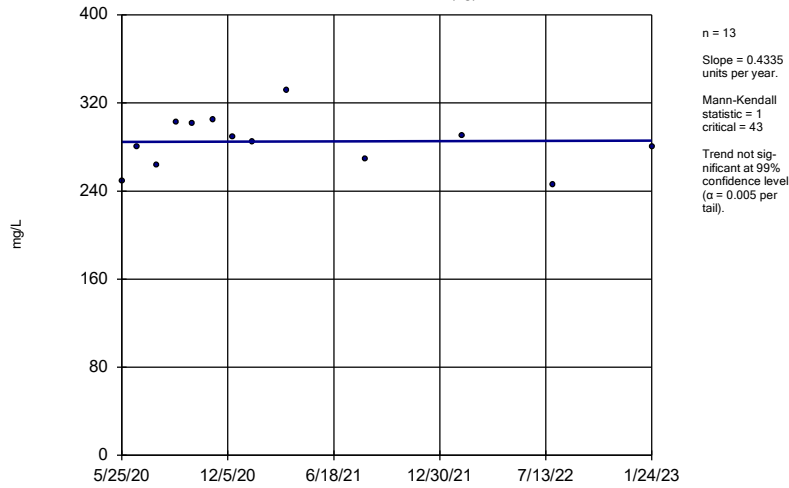


n = 13  
 Slope = 7.283  
 units per year.  
 Mann-Kendall  
 statistic = 20  
 critical = 43  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

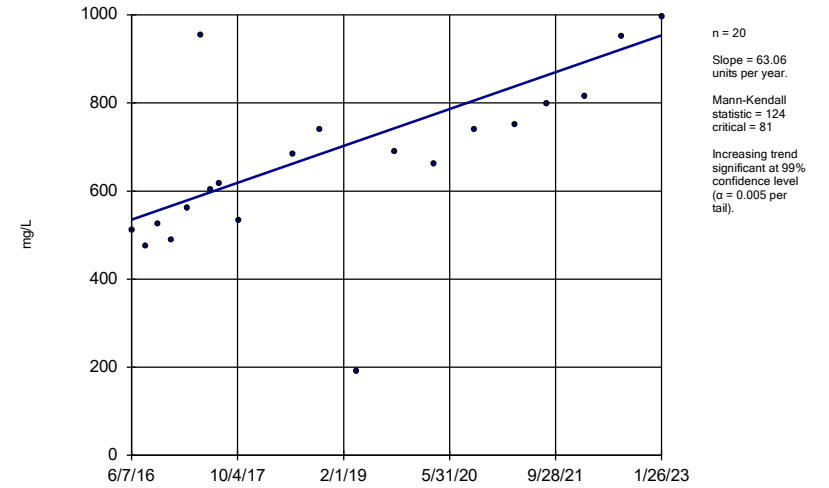
BGWA-48D (bg)



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

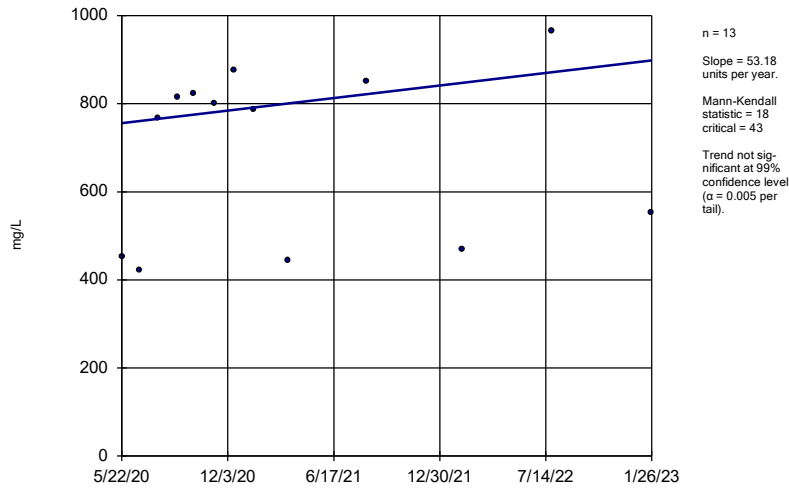
BGWC-12



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

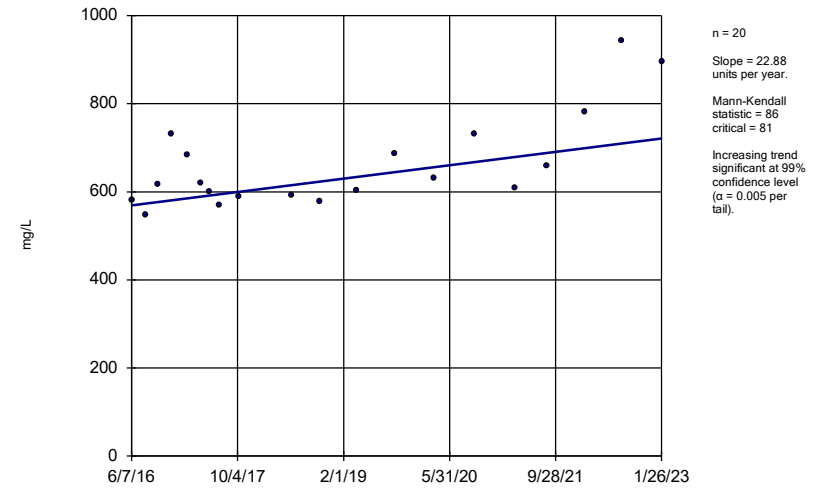
BGWC-14A



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

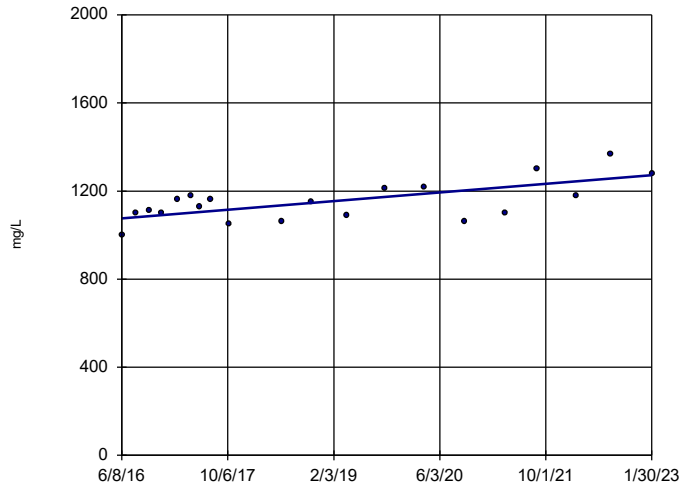
BGWC-16



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

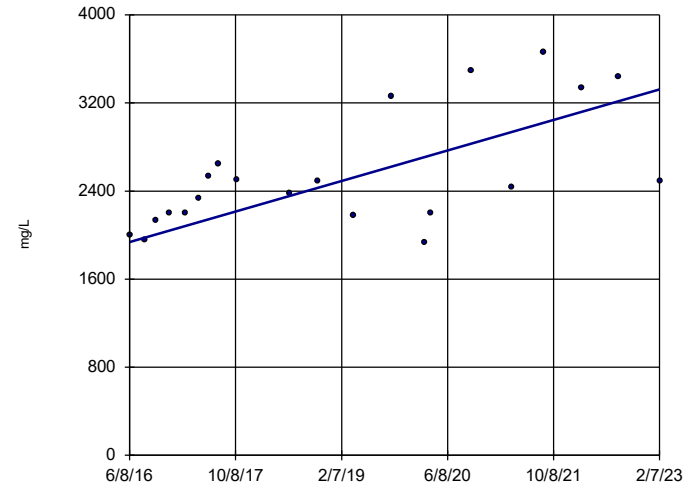


n = 20  
 Slope = 29.53  
 units per year.  
 Mann-Kendall  
 statistic = 78  
 critical = 81  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

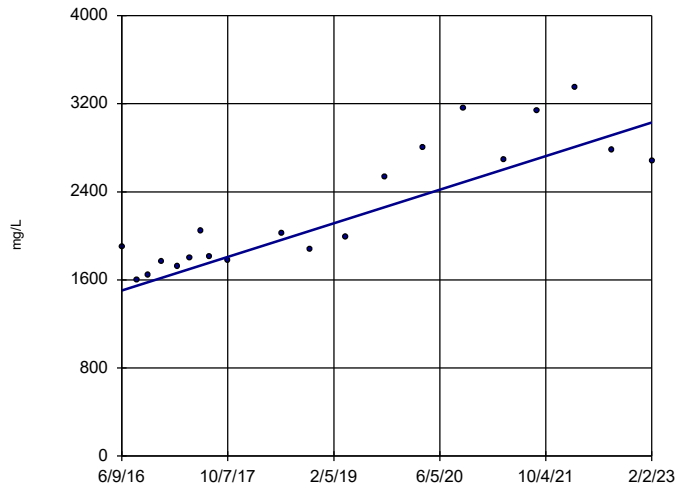


n = 21  
 Slope = 207.9  
 units per year.  
 Mann-Kendall  
 statistic = 96  
 critical = 87  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

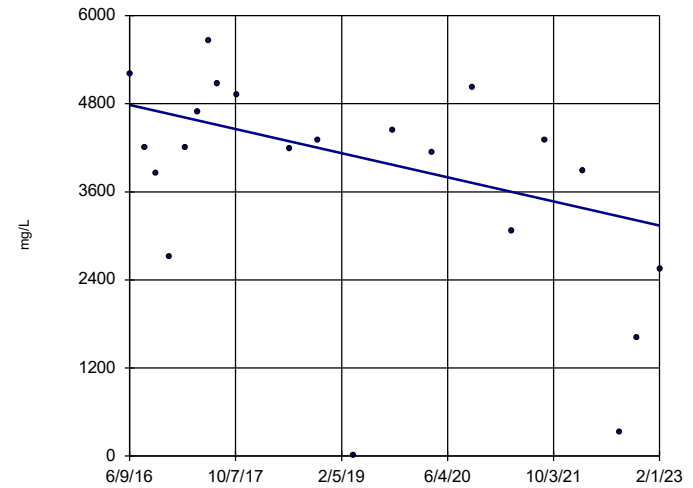


n = 20  
 Slope = 229.6  
 units per year.  
 Mann-Kendall  
 statistic = 128  
 critical = 81  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

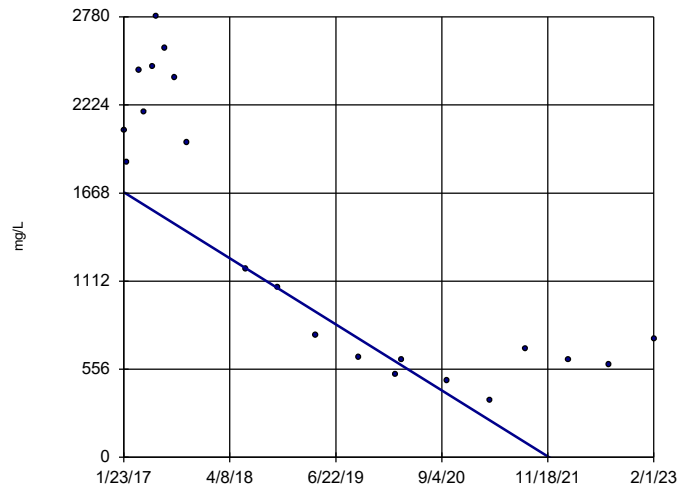


n = 21  
 Slope = -247.1  
 units per year.  
 Mann-Kendall  
 statistic = -68  
 critical = -87  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

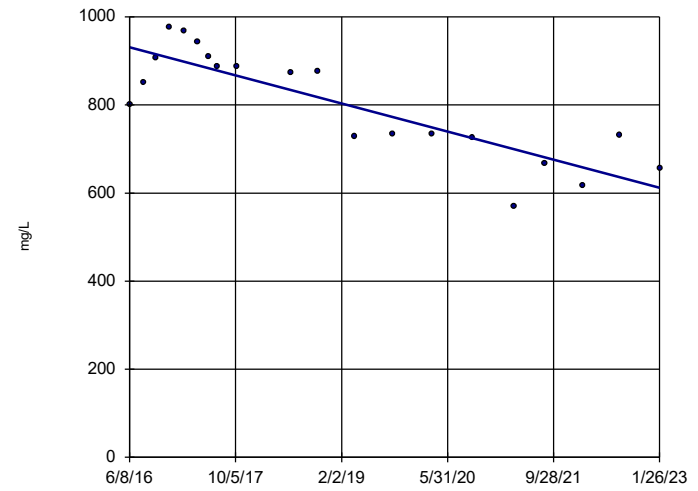


n = 21  
Slope = -346.1  
units per year.  
Mann-Kendall  
statistic = -124  
critical = -87  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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

<u>Constituent</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>%NDs</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
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.

<b>BOWEN ASH POND 1 GWPS</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR-Rule Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
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

Constituent	Well	Upper Lim.	Lower Lim.	Compliance	Sig.	N	Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
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.
<b>Arsenic (mg/L)</b>	<b>BGWC-34D</b>	<b>0.01823</b>	<b>0.01506</b>	<b>0.01</b>	<b>Yes</b>	<b>14</b>	<b>0.01664</b>	<b>0.00224</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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.

# 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)
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.02634</b>	<b>0.01665</b>	<b>0.006</b>	<b>Yes</b>	<b>26</b>	<b>0.0215</b>	<b>0.009947</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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.



# 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
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.

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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
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.
<b>Molybdenum (mg/L)</b>	<b>BGWC-43D</b>	<b>0.2083</b>	<b>0.1337</b>	<b>0.1</b>	<b>Yes</b>	<b>10</b>	<b>0.171</b>	<b>0.04175</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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)

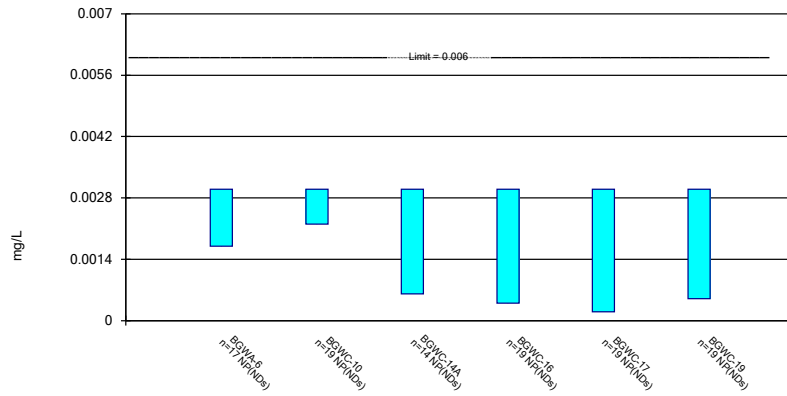
# Confidence Intervals - All Results

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

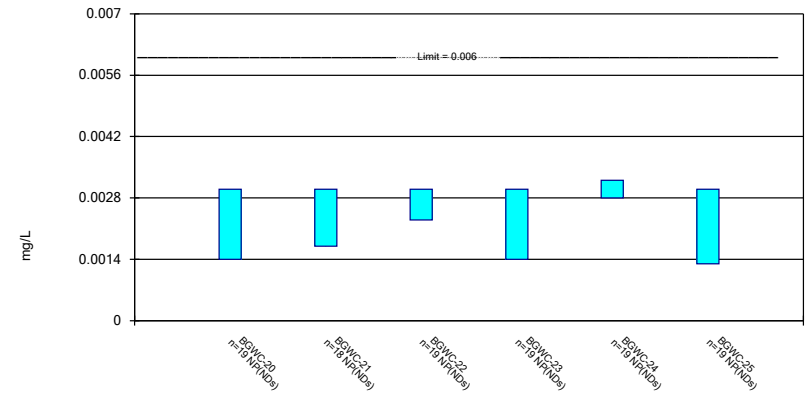
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Constituent: Antimony Analysis Run 5/25/2023 2:37 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

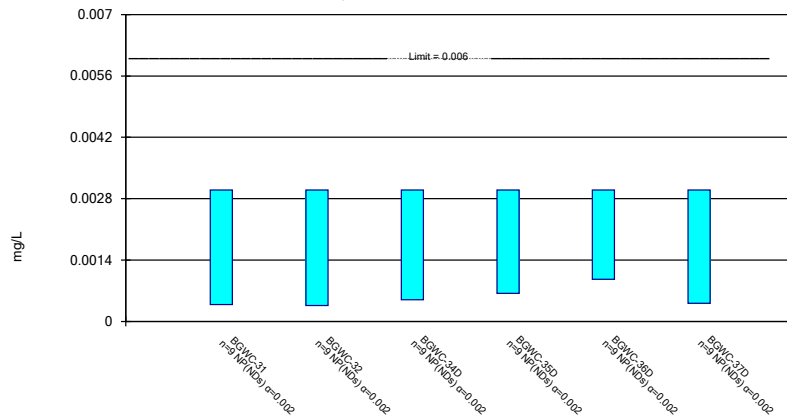
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

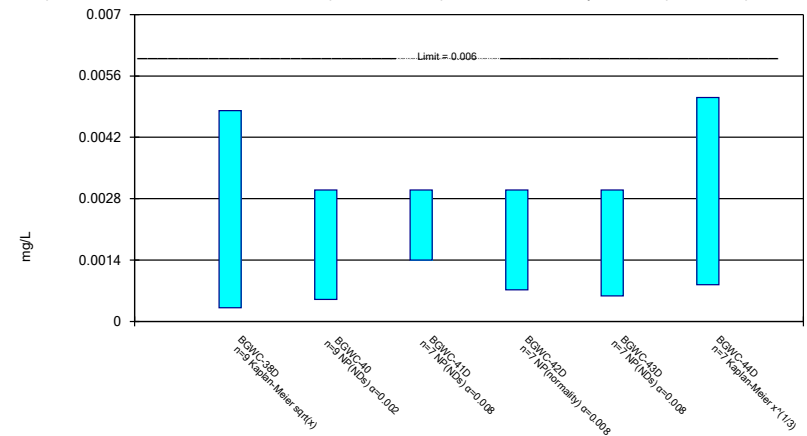
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

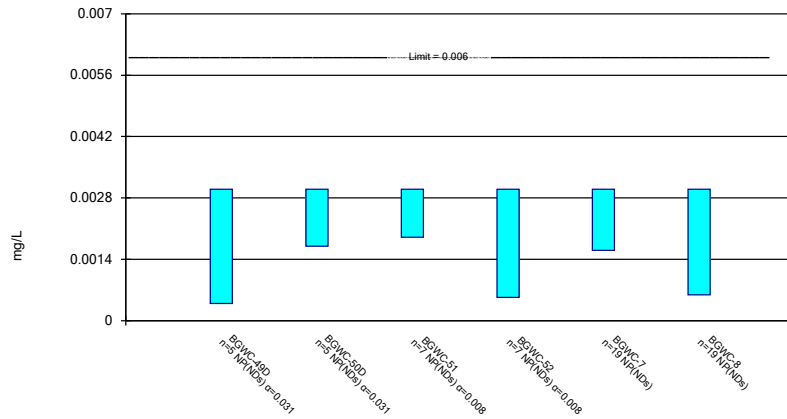
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

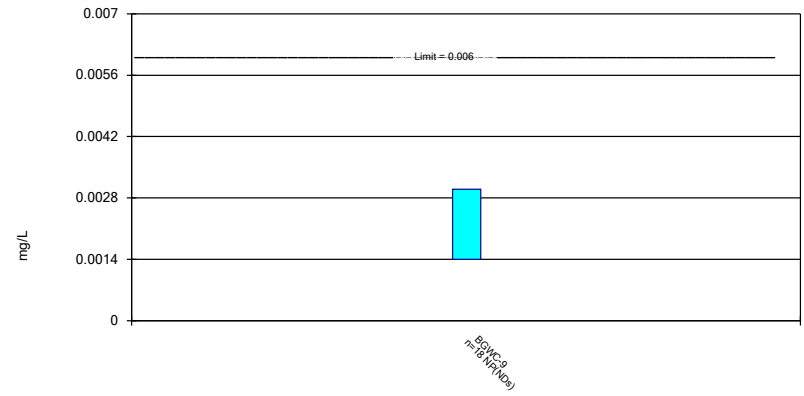
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

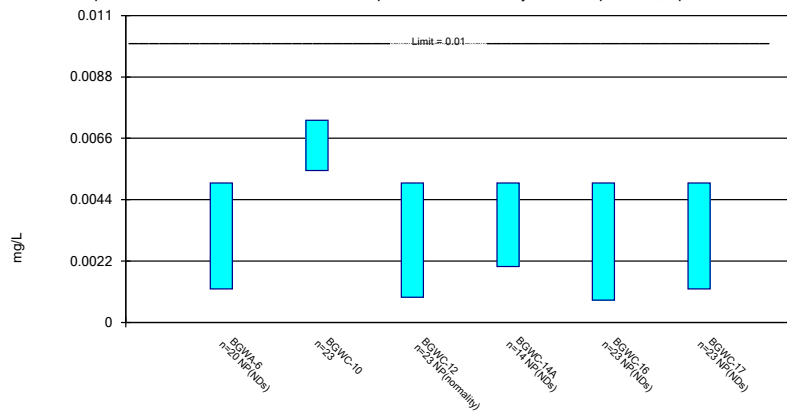
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Constituent: Antimony Analysis Run 5/25/2023 2:37 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

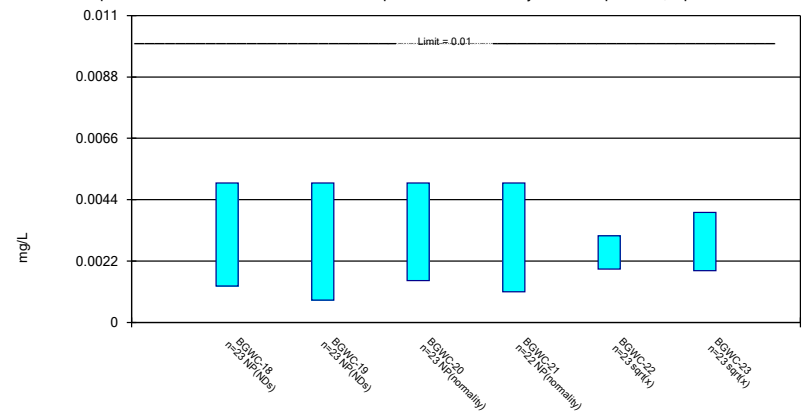
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Constituent: Arsenic Analysis Run 5/25/2023 2:37 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

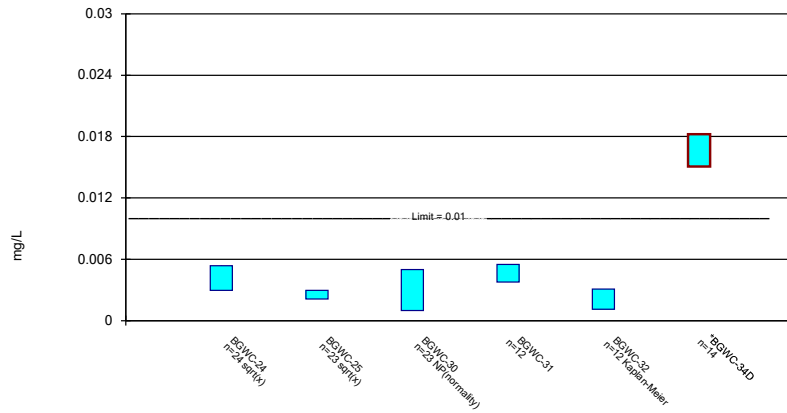
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

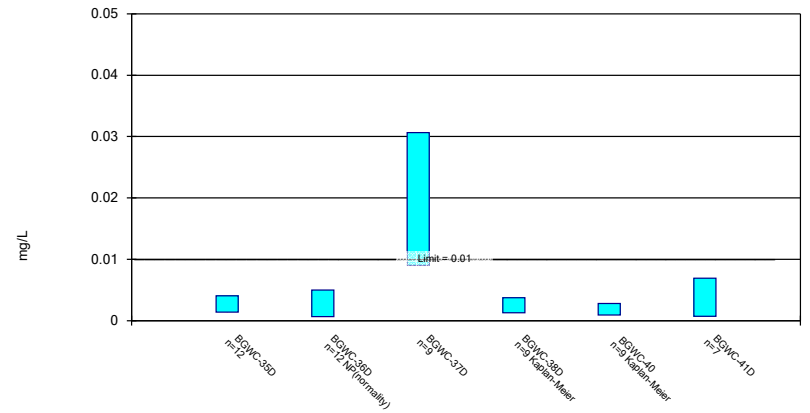
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Constituent: Arsenic Analysis Run 5/25/2023 2:37 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

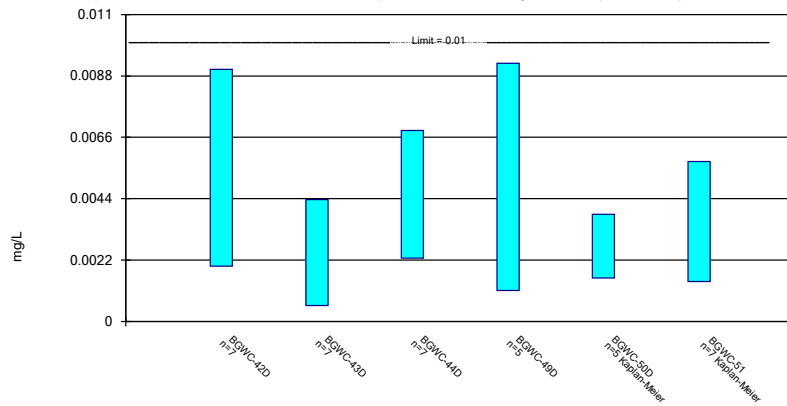
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Constituent: Arsenic Analysis Run 5/25/2023 2:37 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

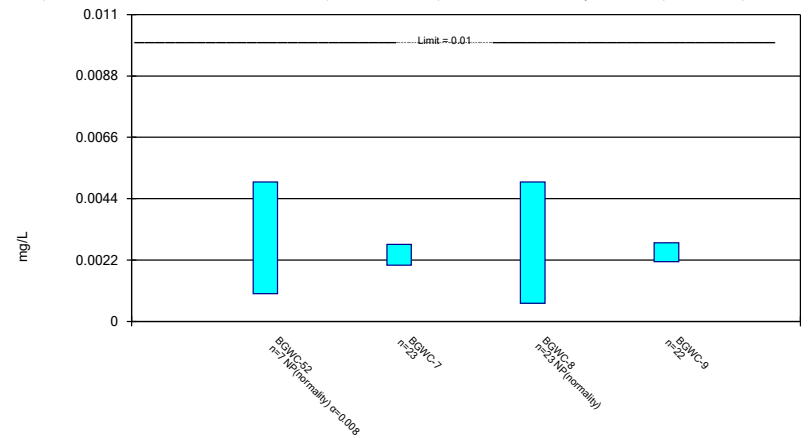
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

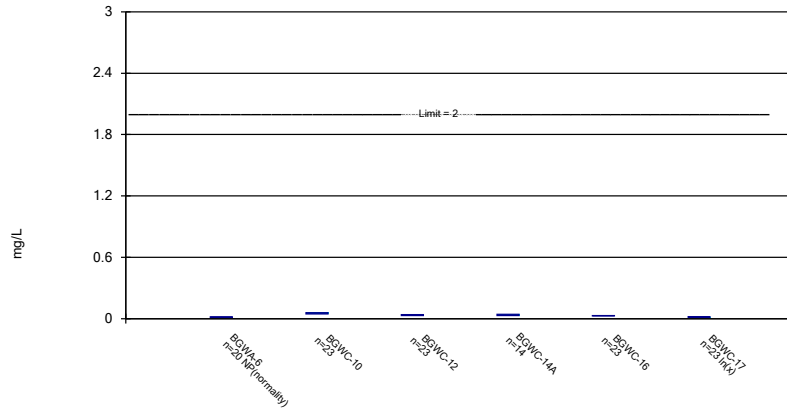
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

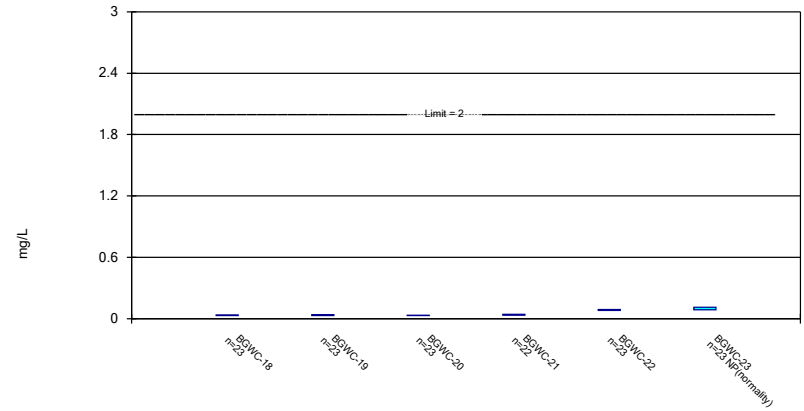
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Constituent: Barium Analysis Run 5/25/2023 2:37 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

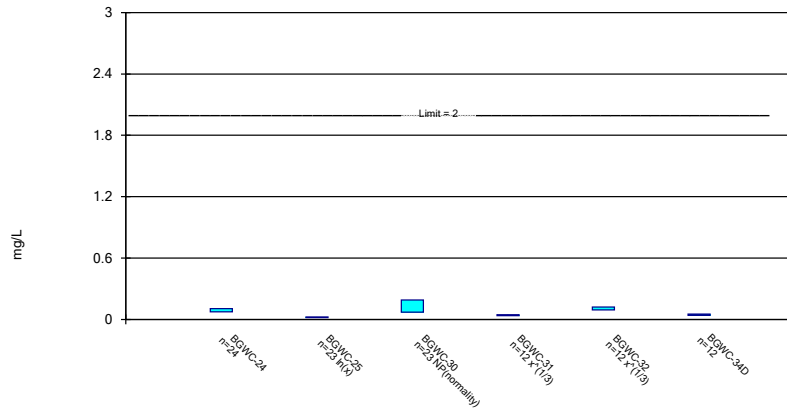
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

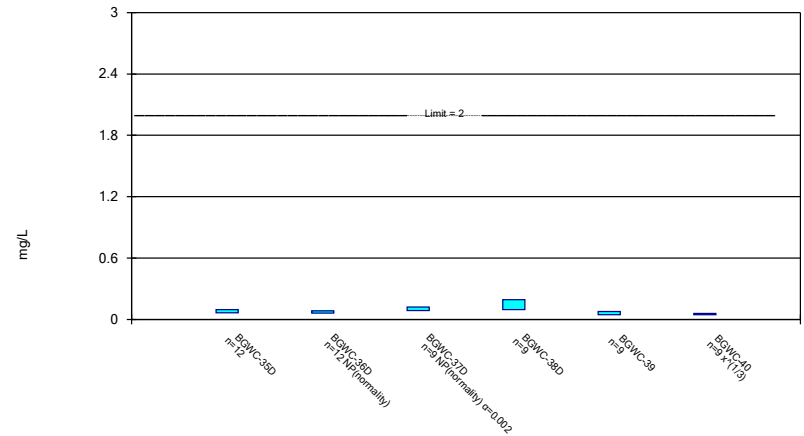
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.

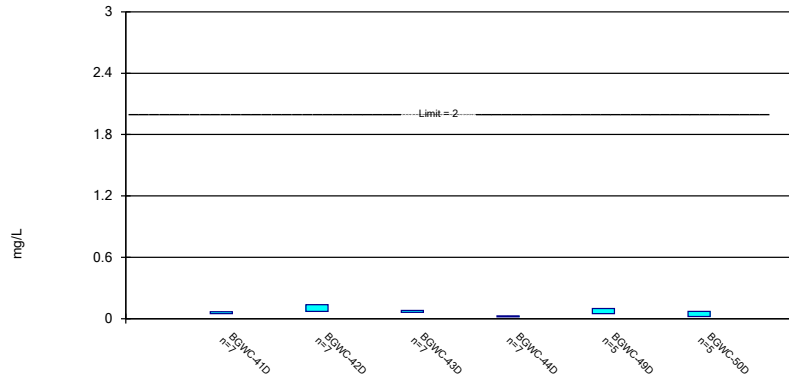


Constituent: Barium Analysis Run 5/25/2023 2:37 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1



### Parametric Confidence Interval

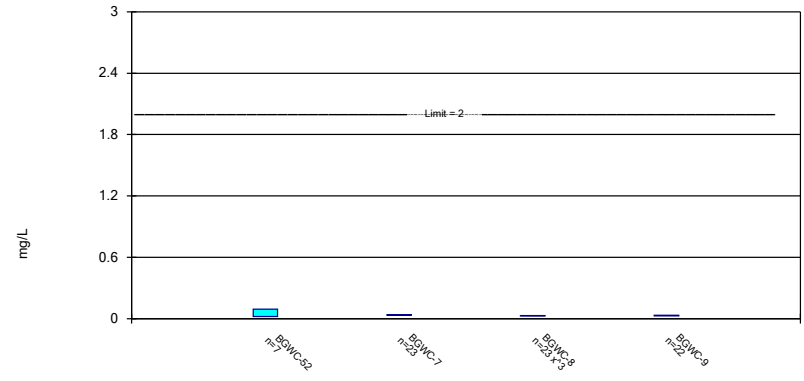
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Barium Analysis Run 5/25/2023 2:37 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric Confidence Interval

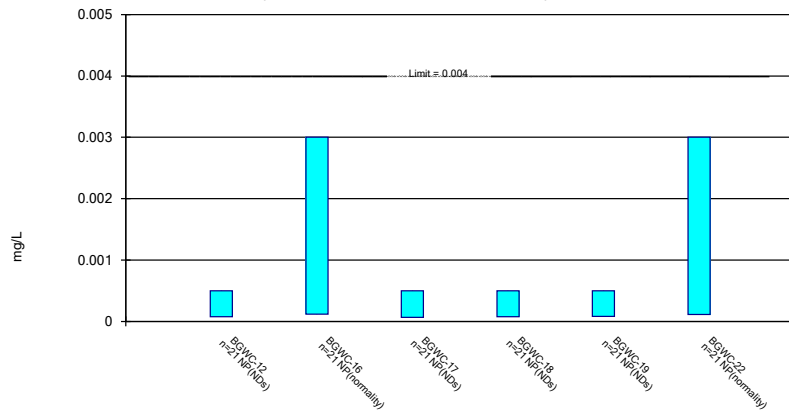
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 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

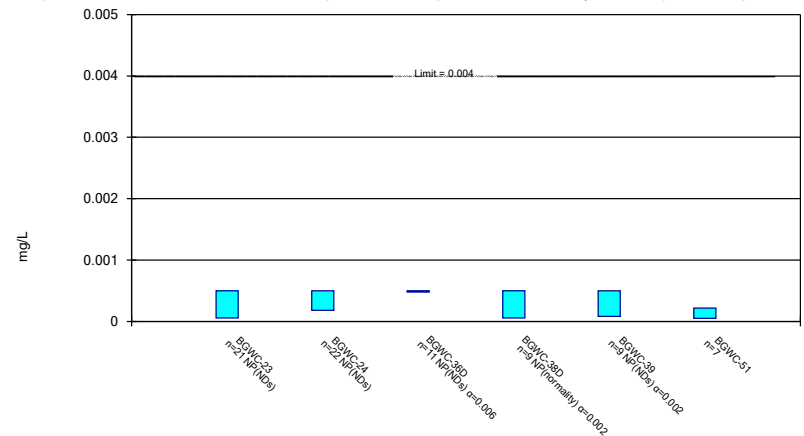
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

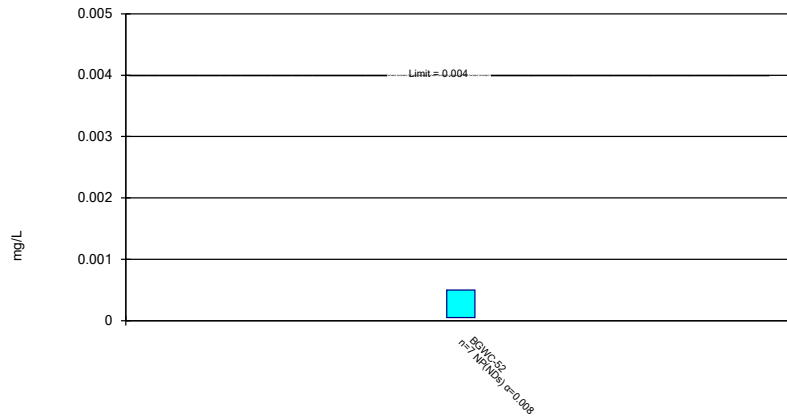
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

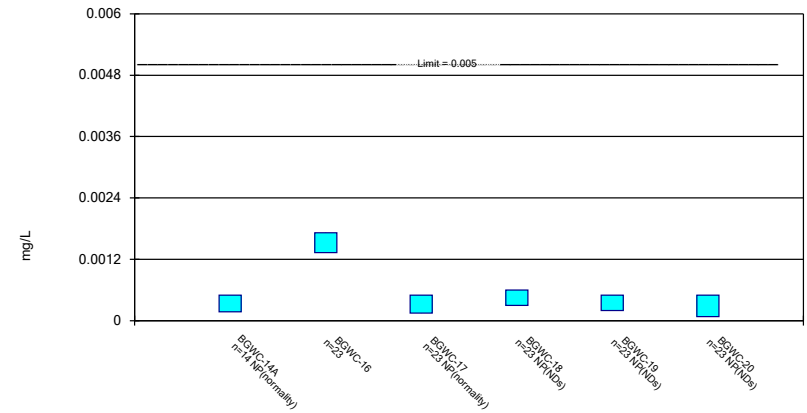
Compliance Limit is not exceeded.



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

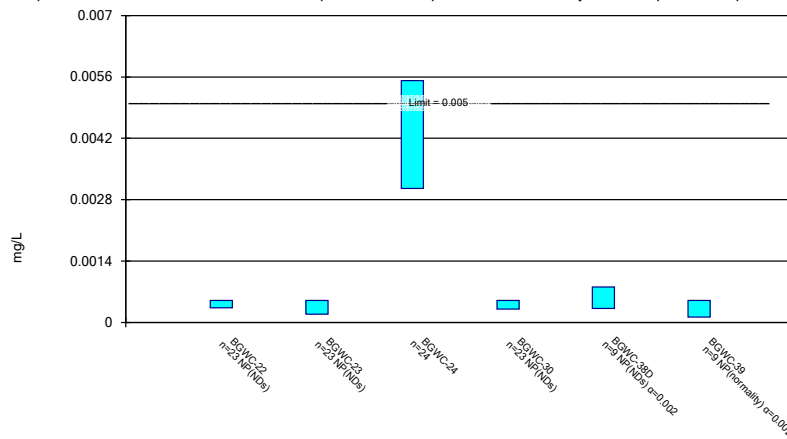
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

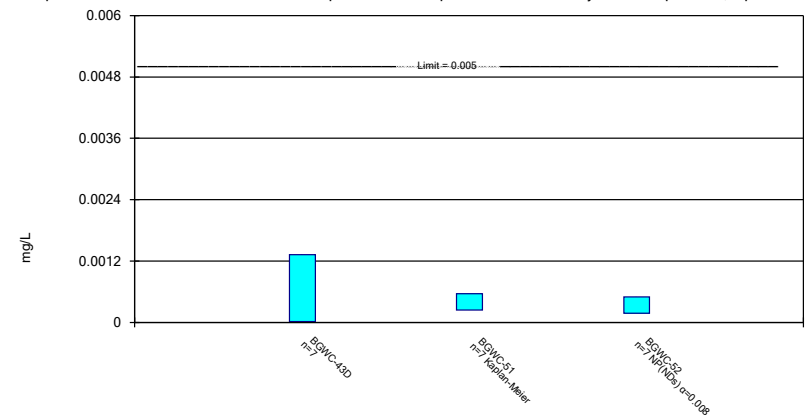
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 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

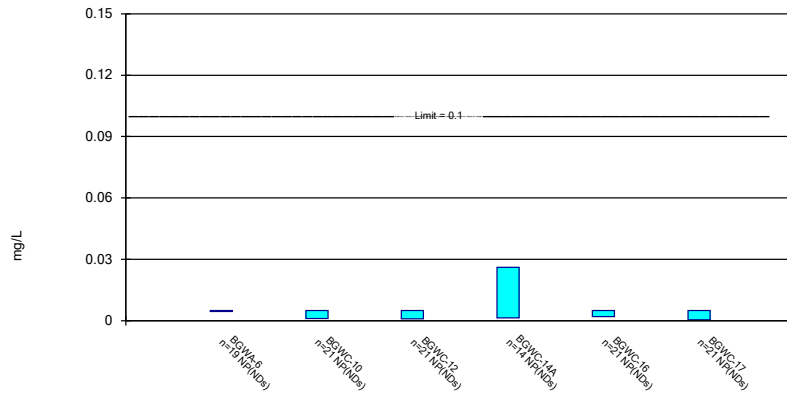
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 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

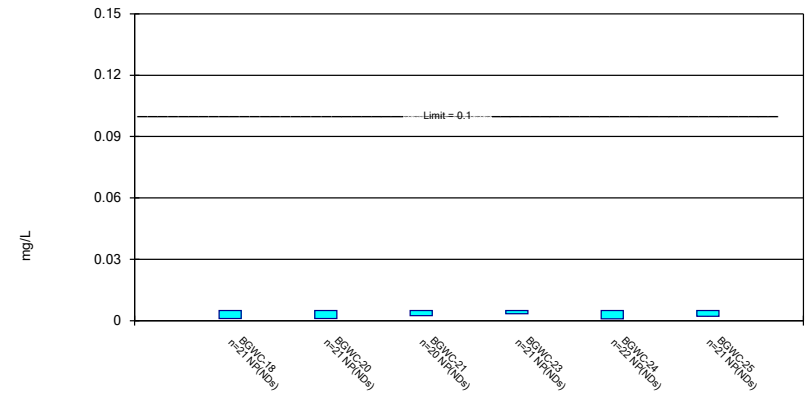
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 5/25/2023 2:37 PM View: Appendix IV  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

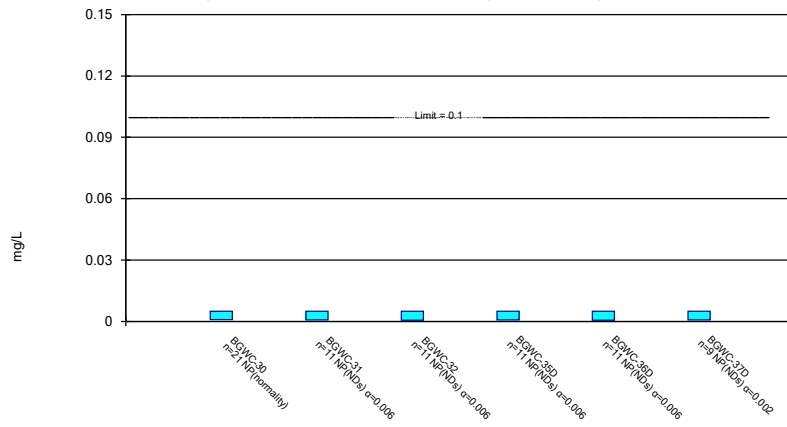
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 5/25/2023 2:37 PM View: Appendix IV  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

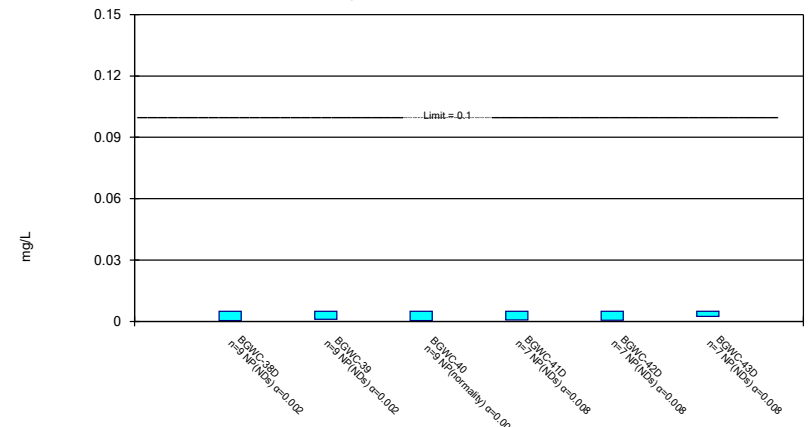
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



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

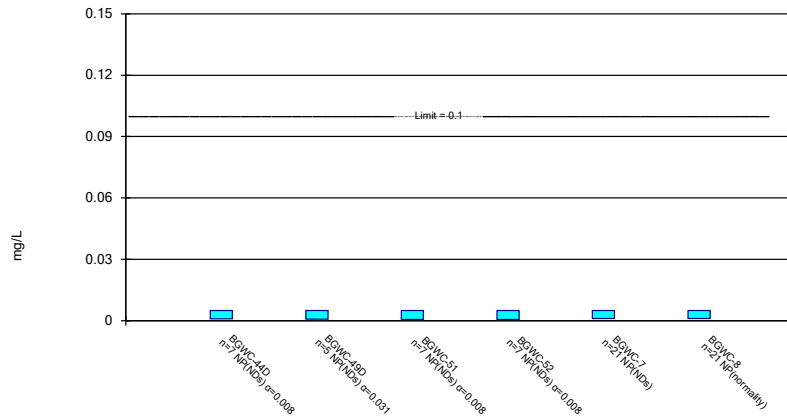
Compliance Limit is not exceeded.



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

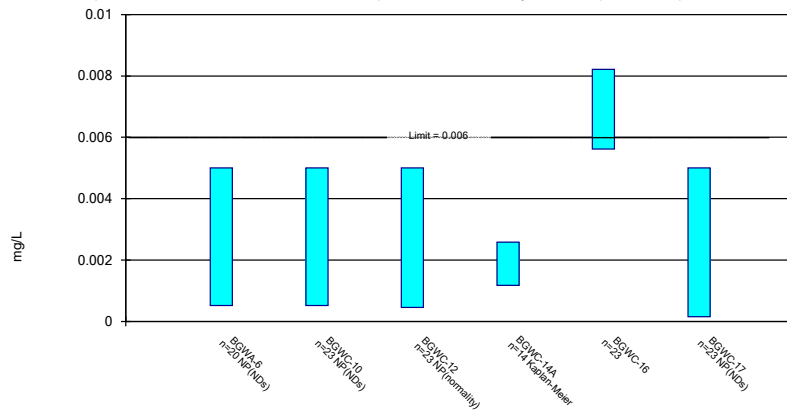
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

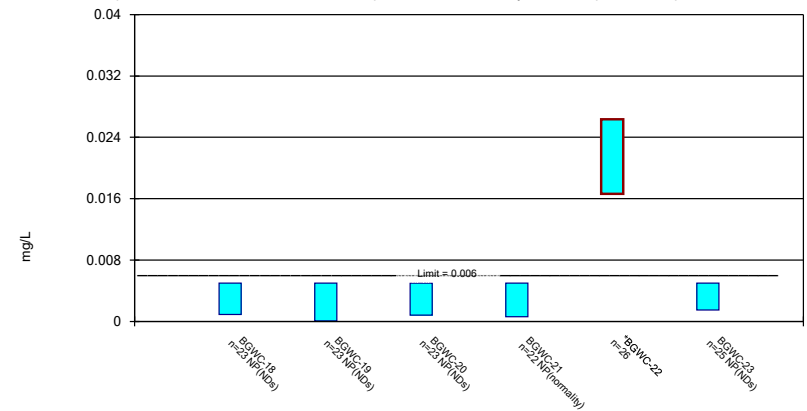
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

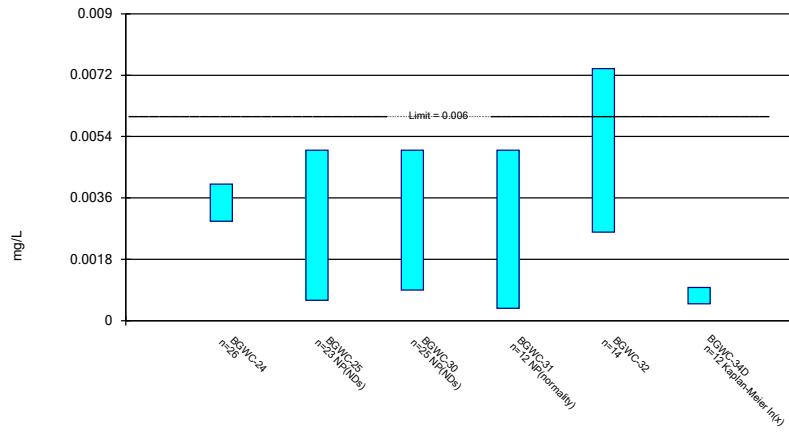
Compliance limit is exceeded.\* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

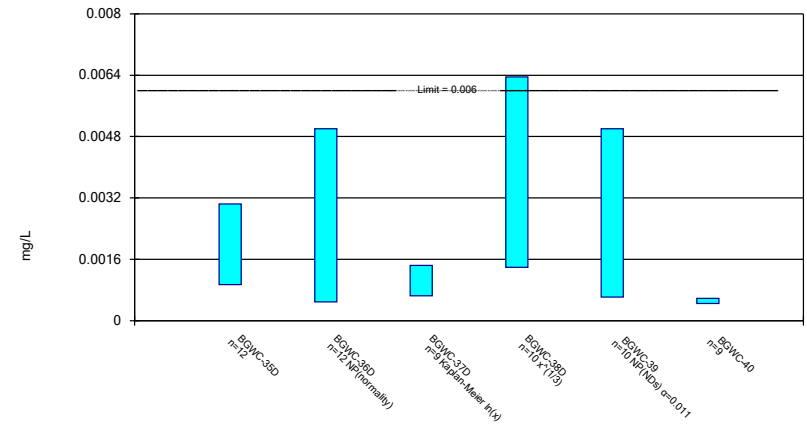
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

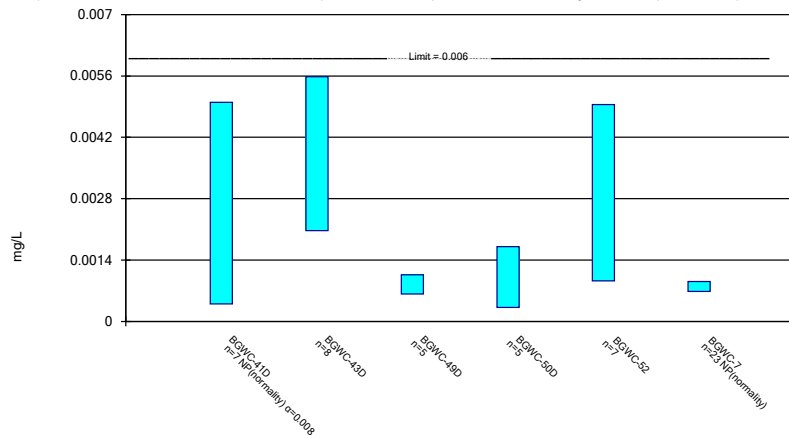
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

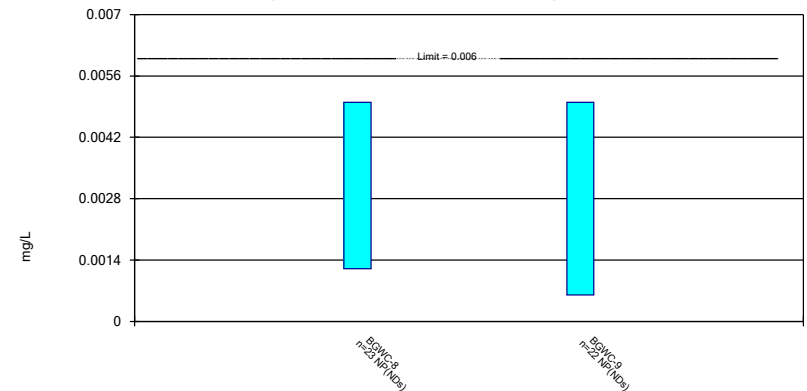
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

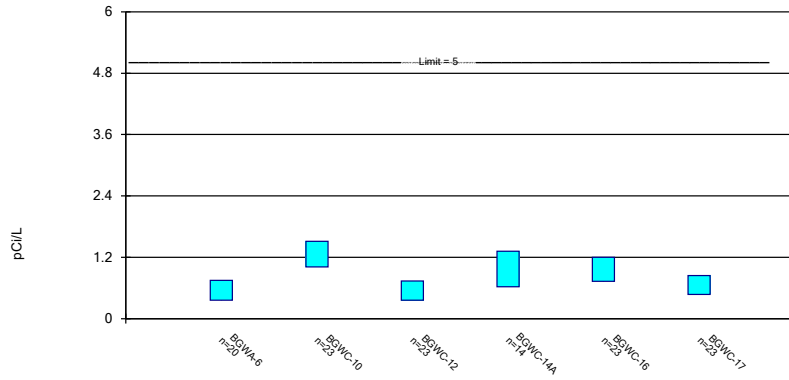
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

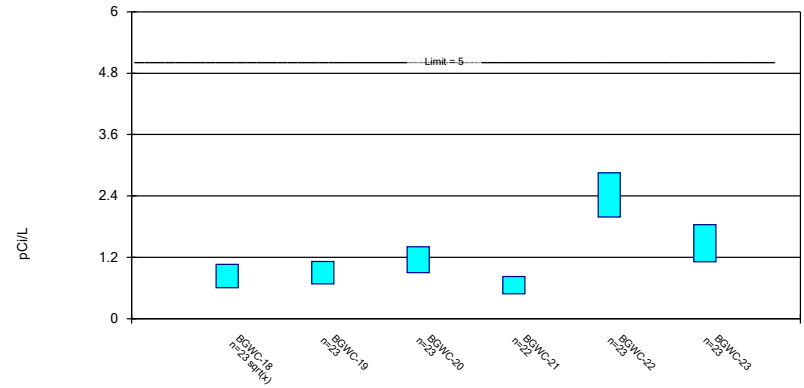
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

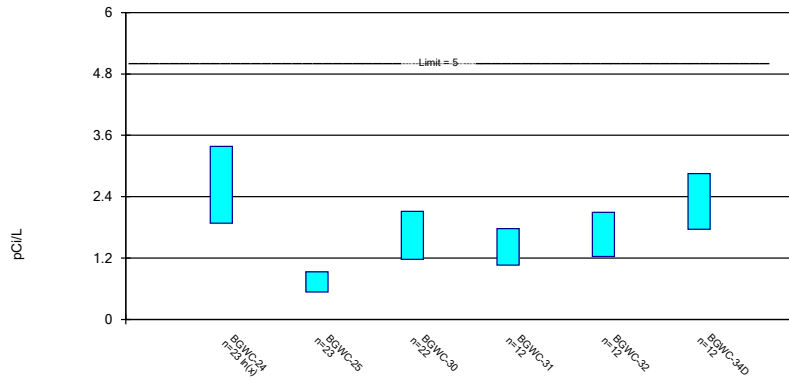
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

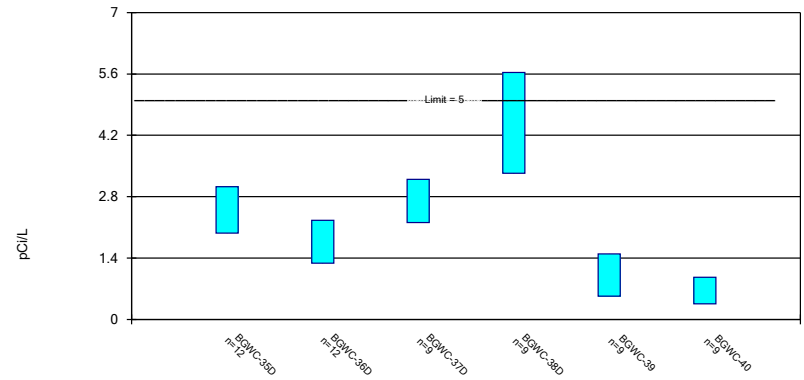
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

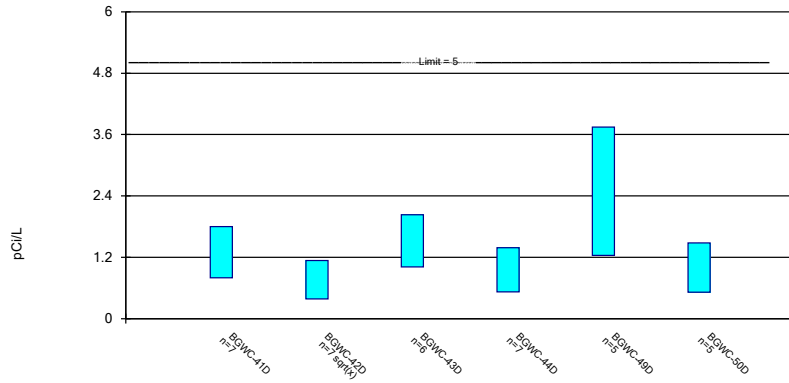
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

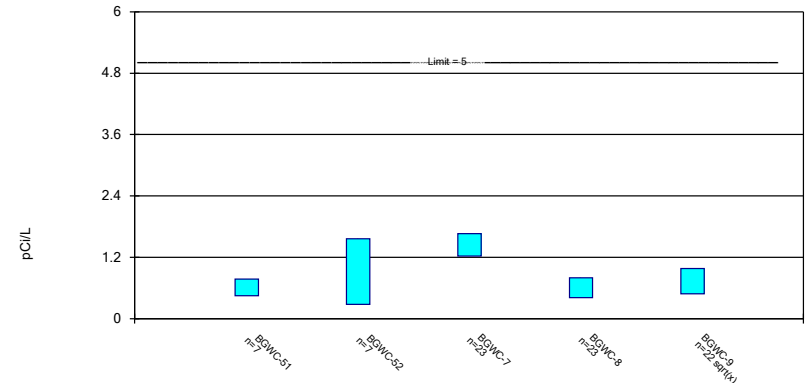
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

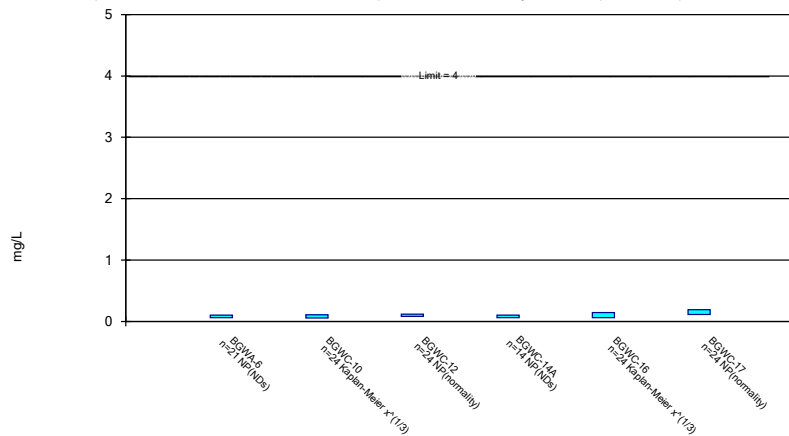
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

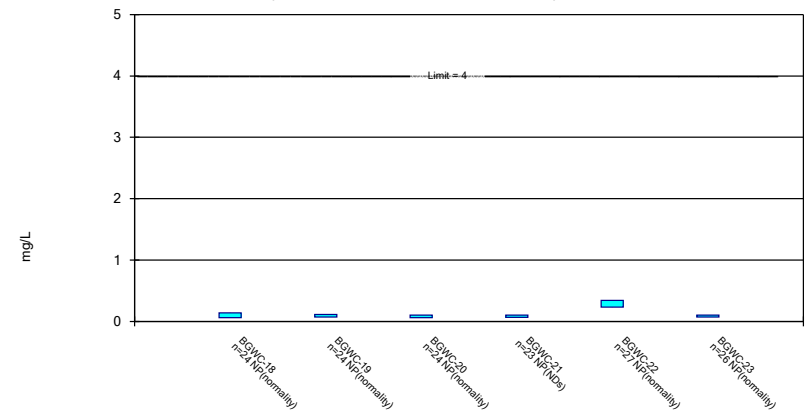
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

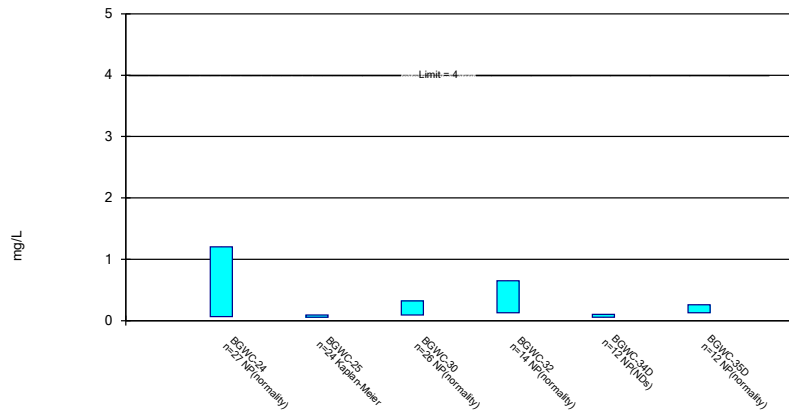
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

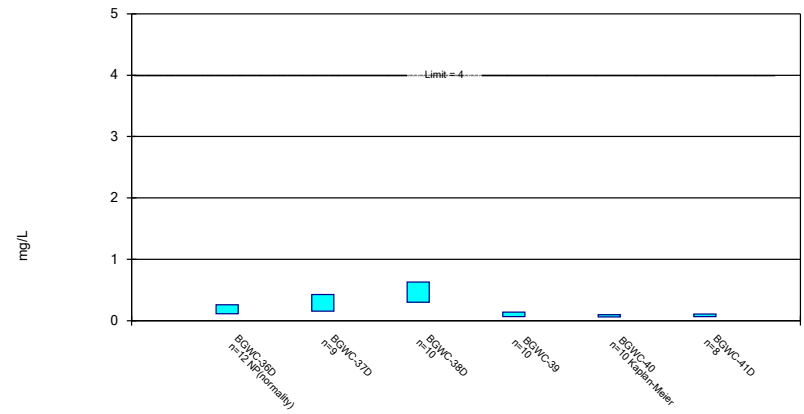
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

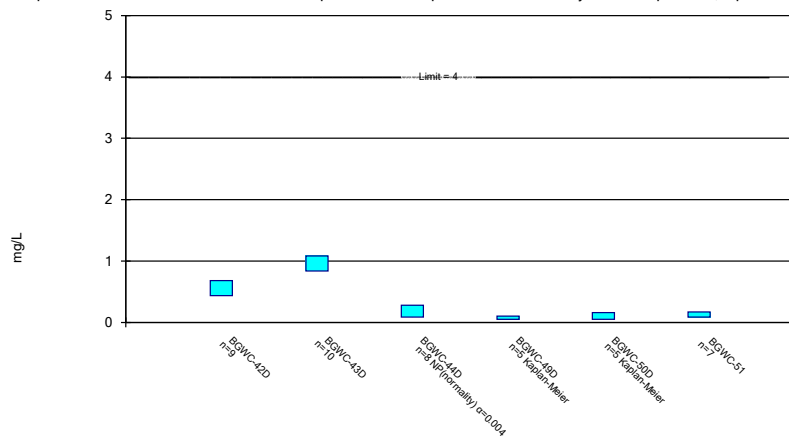
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

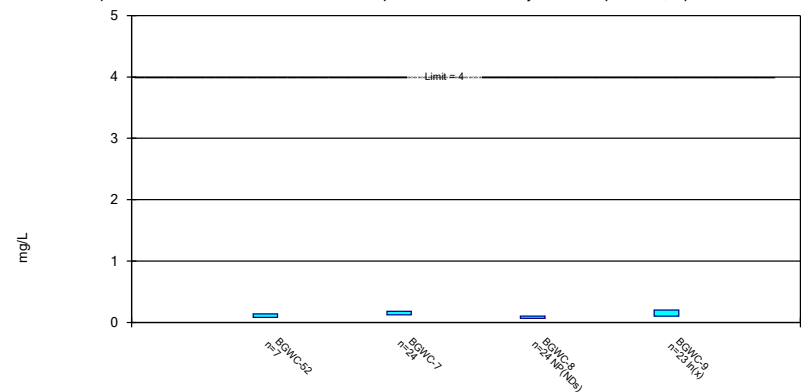
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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.

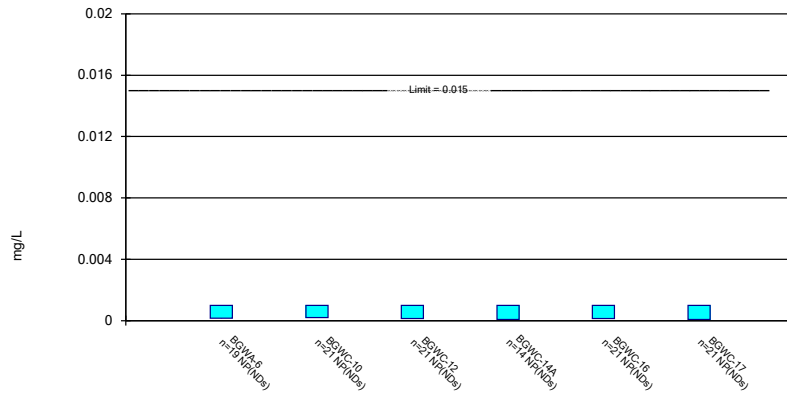


Constituent: Fluoride Analysis Run 5/25/2023 2:38 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1



### Non-Parametric Confidence Interval

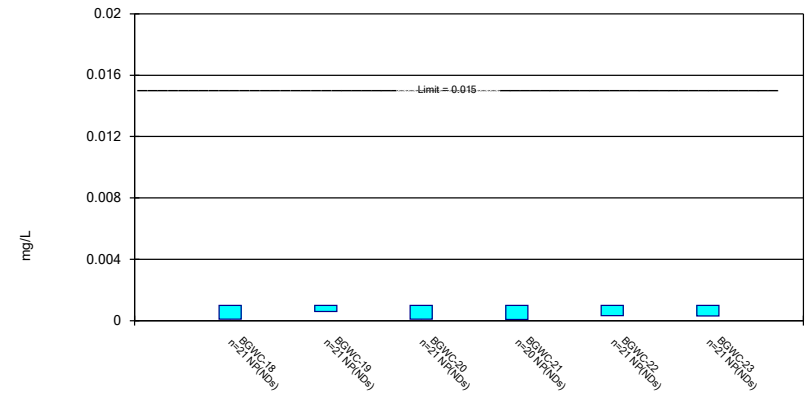
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

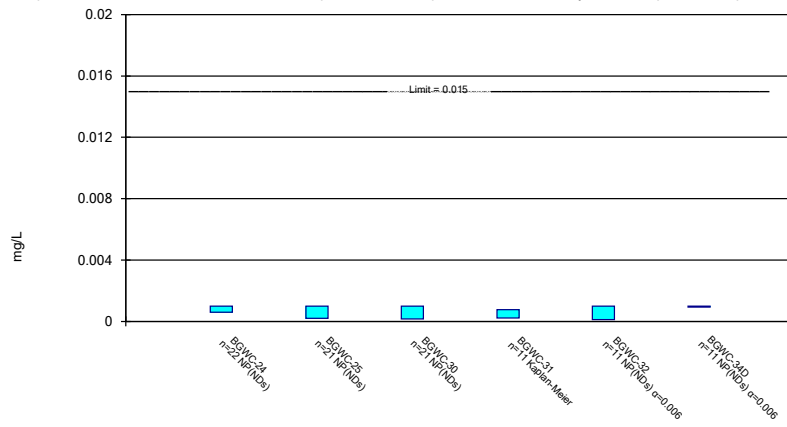
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

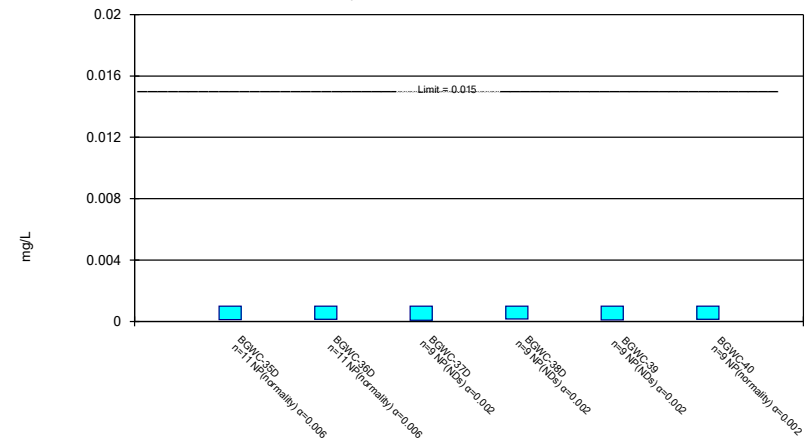
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

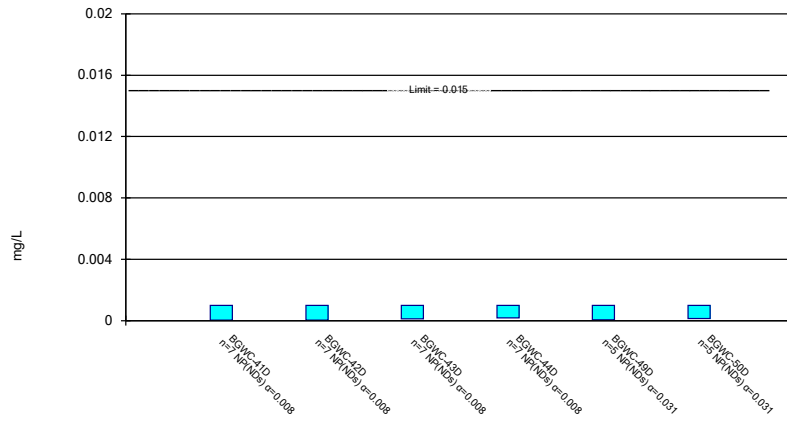
Compliance Limit is not exceeded.



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

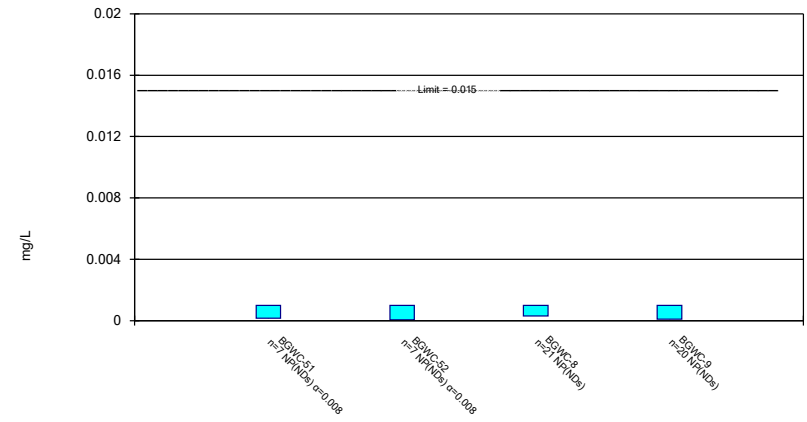
Compliance Limit is not exceeded.



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

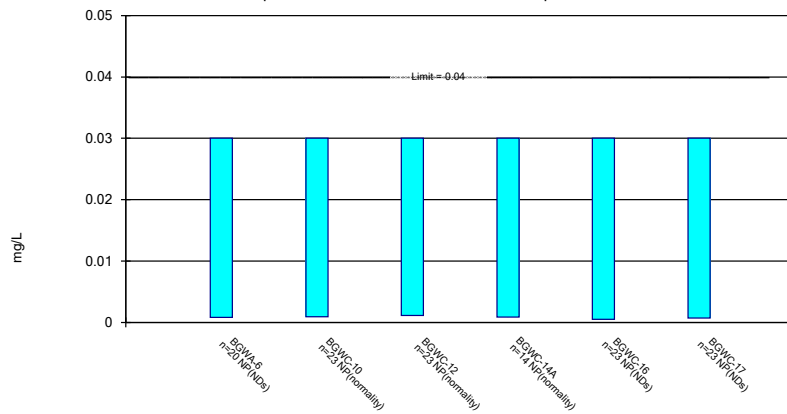
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



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

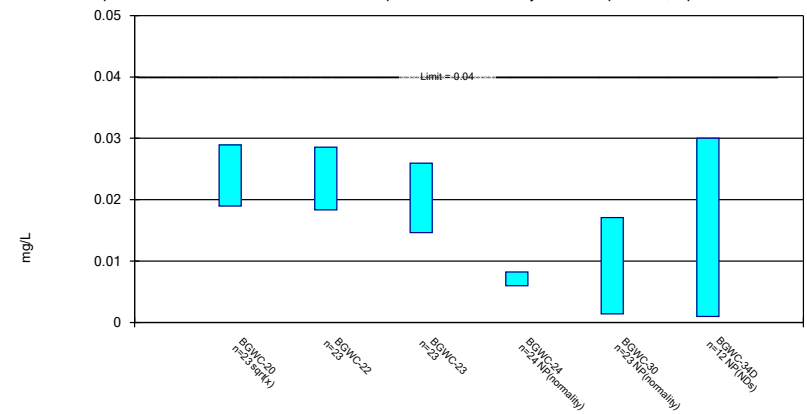
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

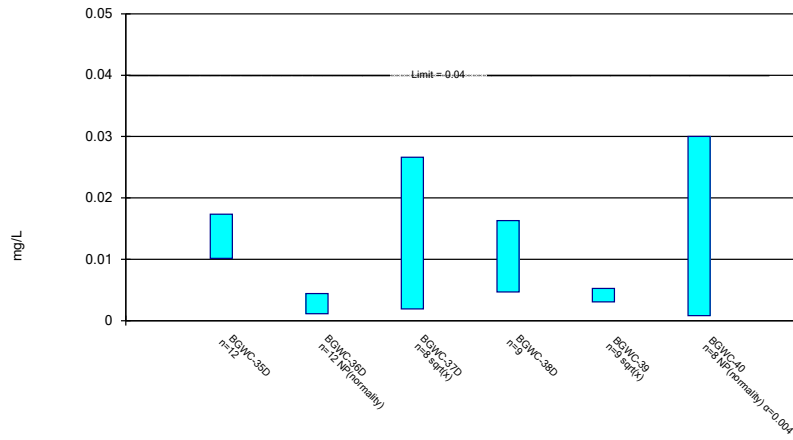
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

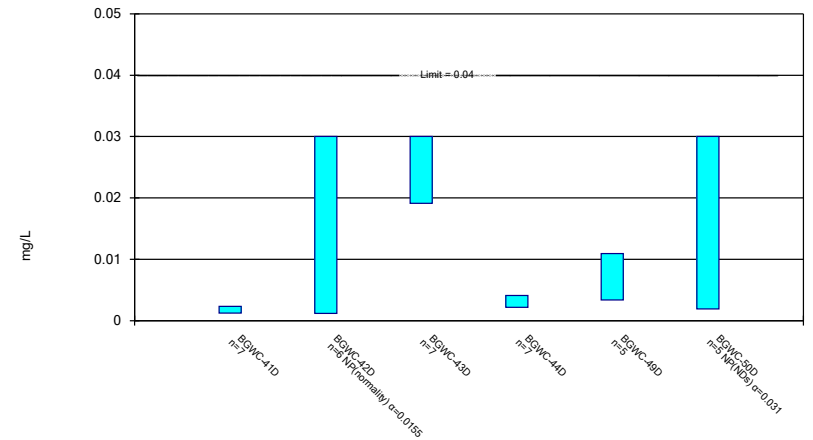
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

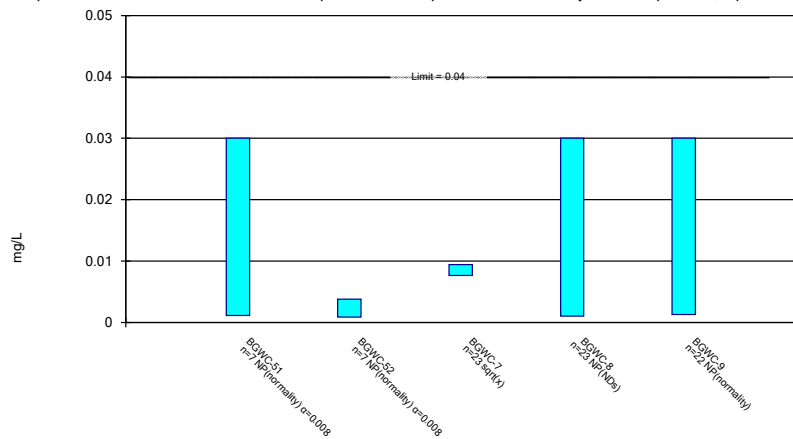
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

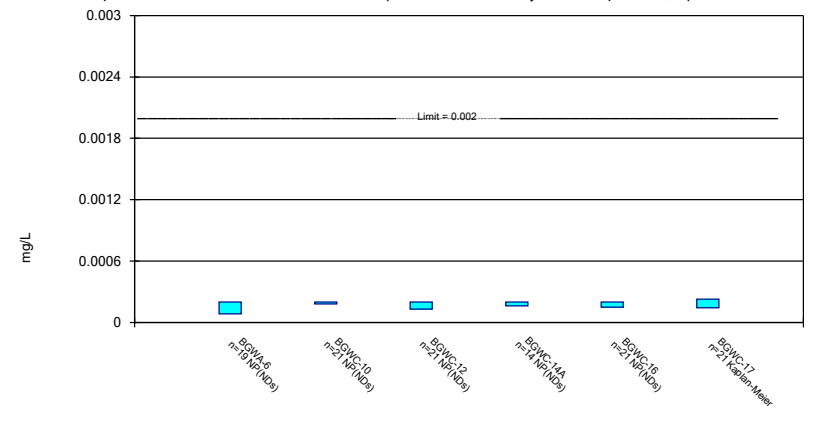
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

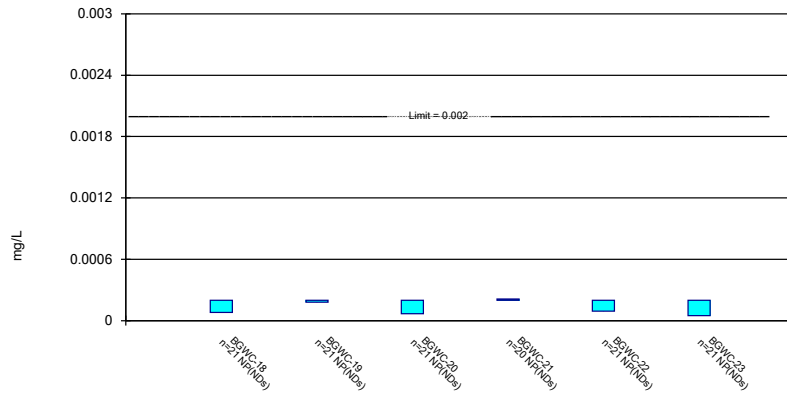
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 5/25/2023 2:38 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

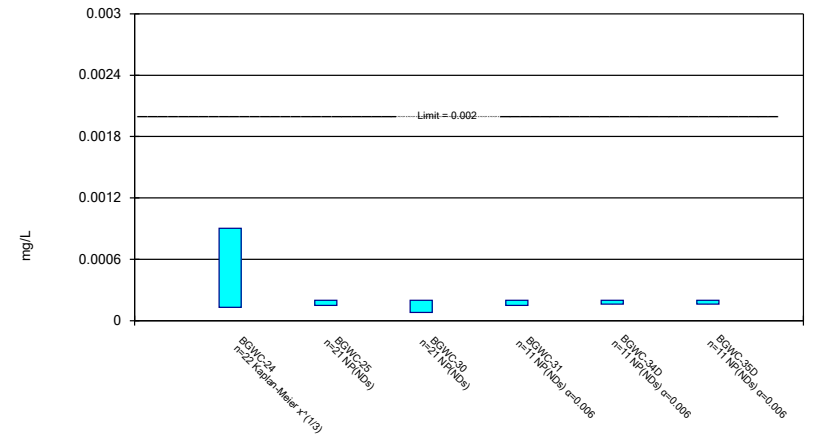
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

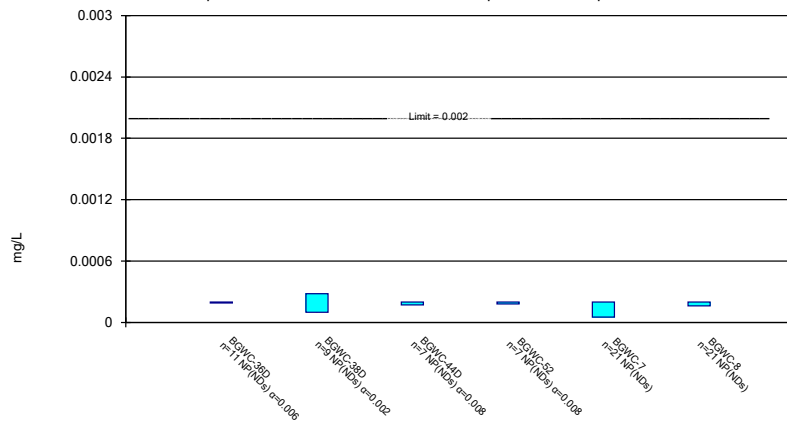
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Mercury Analysis Run 5/25/2023 2:38 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

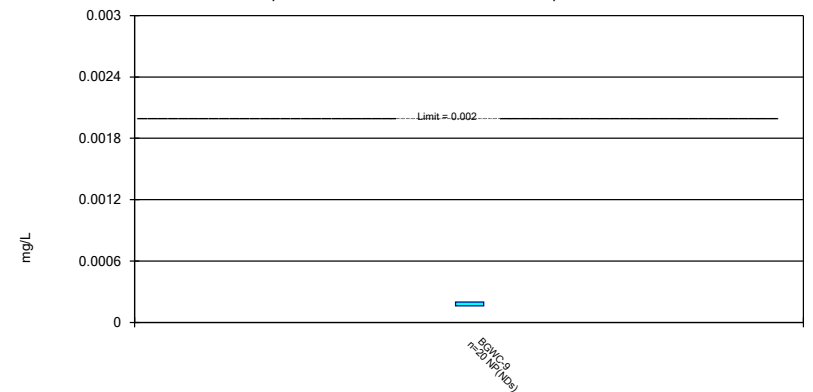
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



Constituent: Mercury Analysis Run 5/25/2023 2:38 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

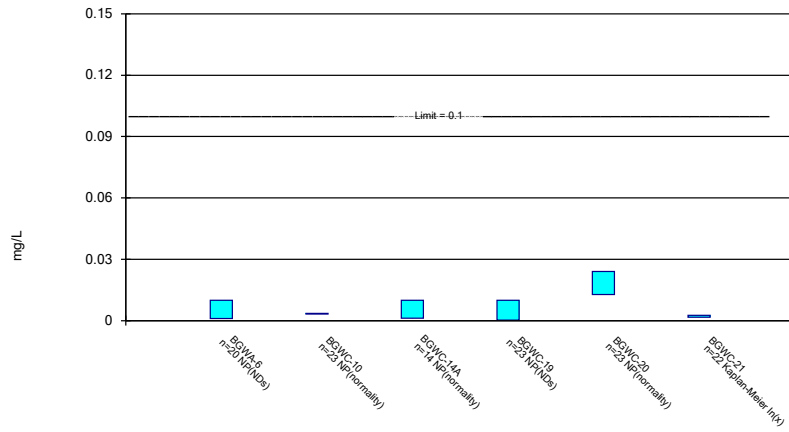
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: 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

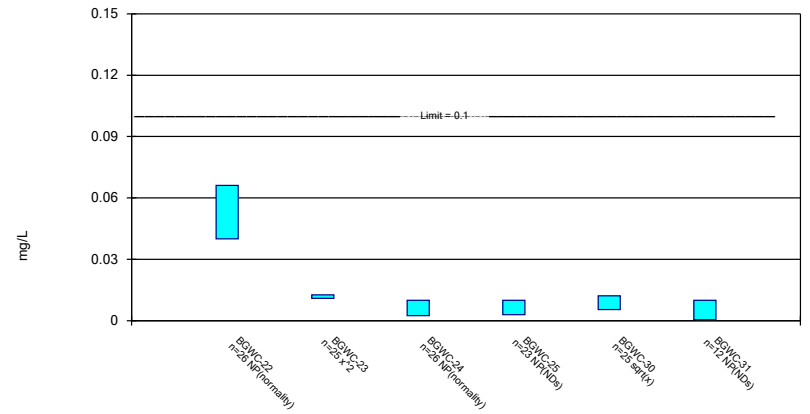
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

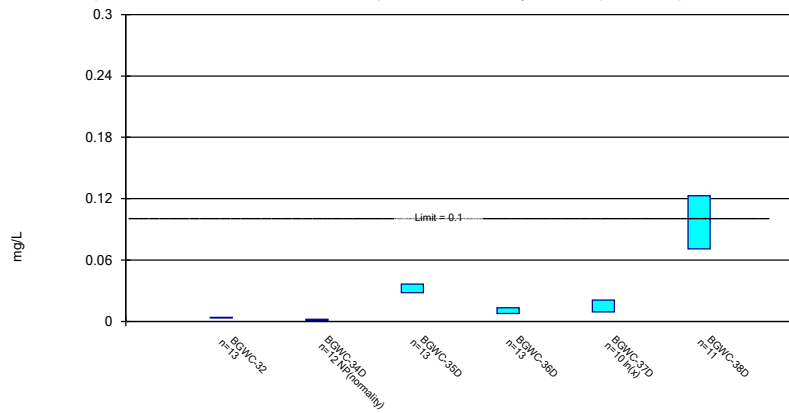
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

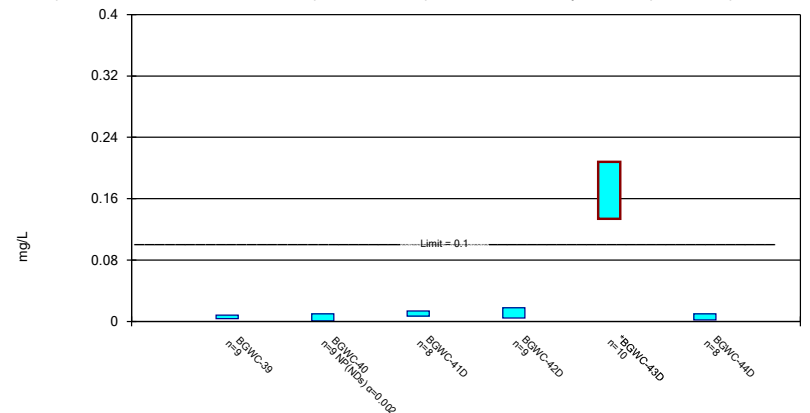
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

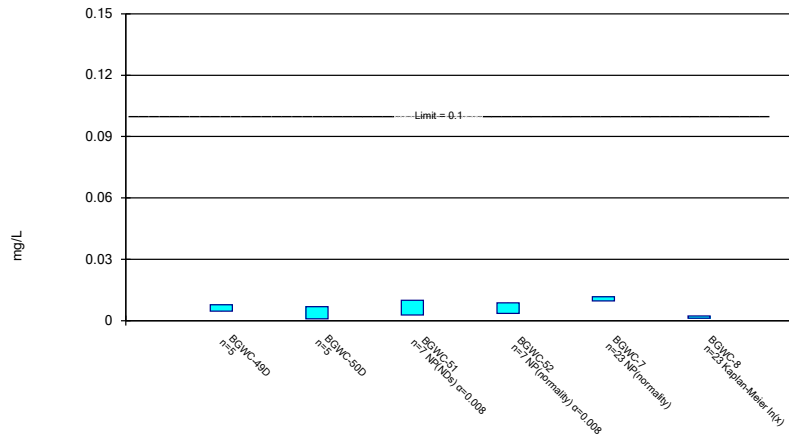
Compliance limit is exceeded.\* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

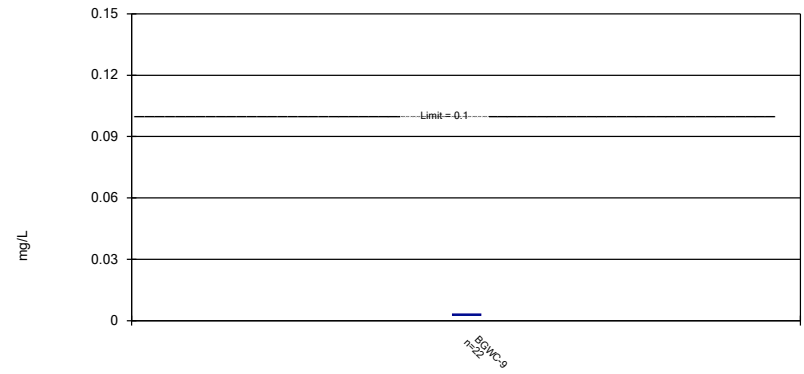
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

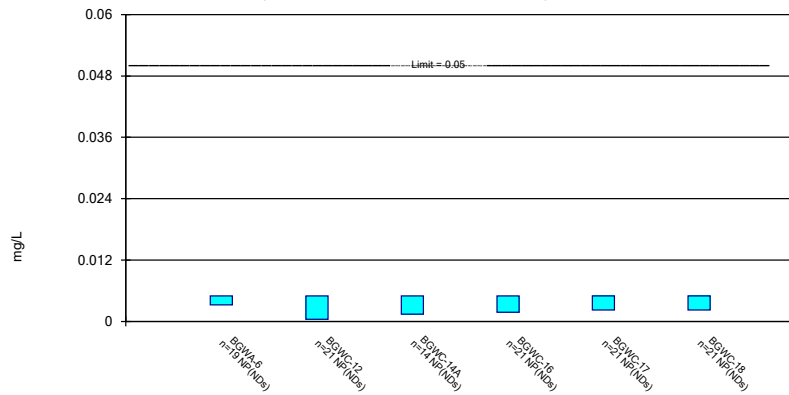
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

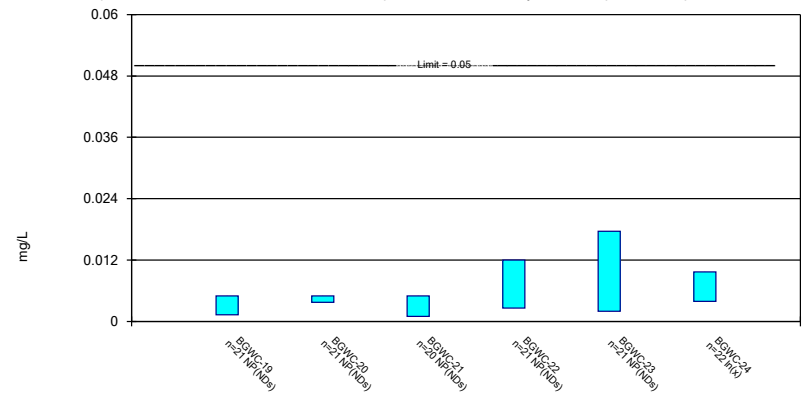
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

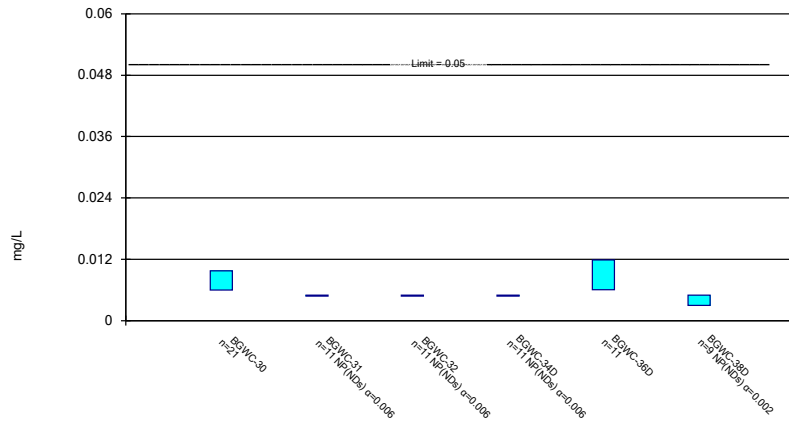
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

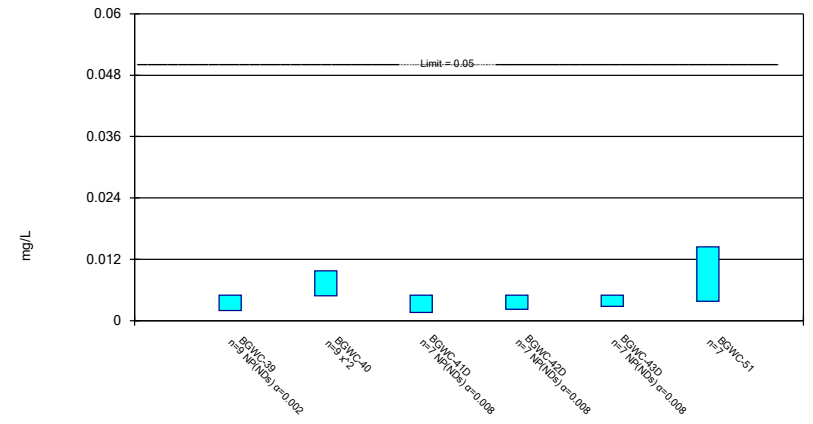
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

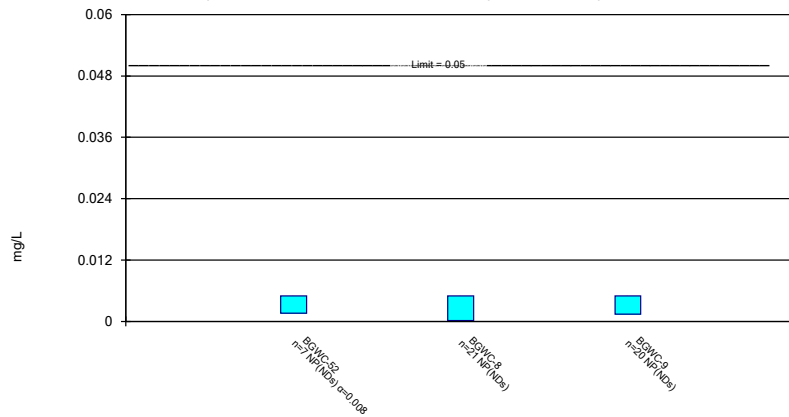
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

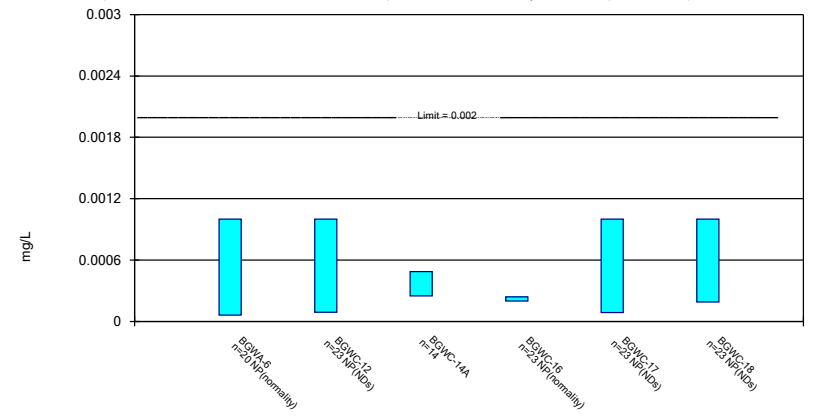
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



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

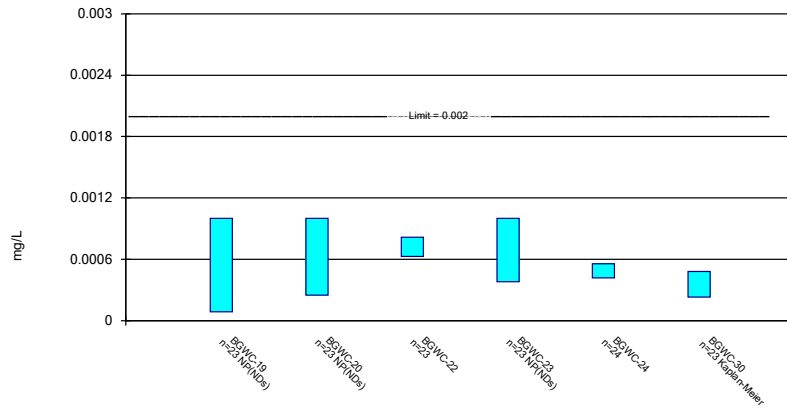
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

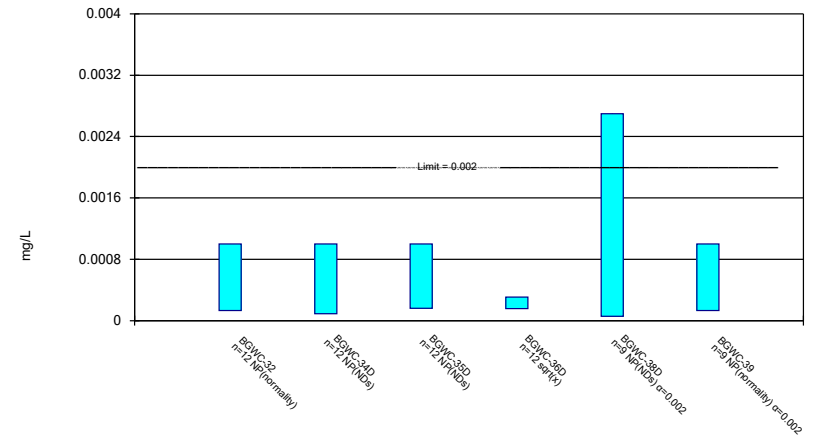
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

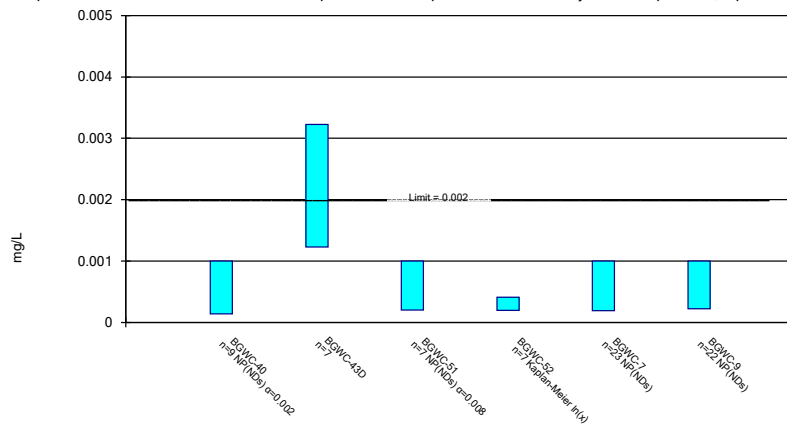
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

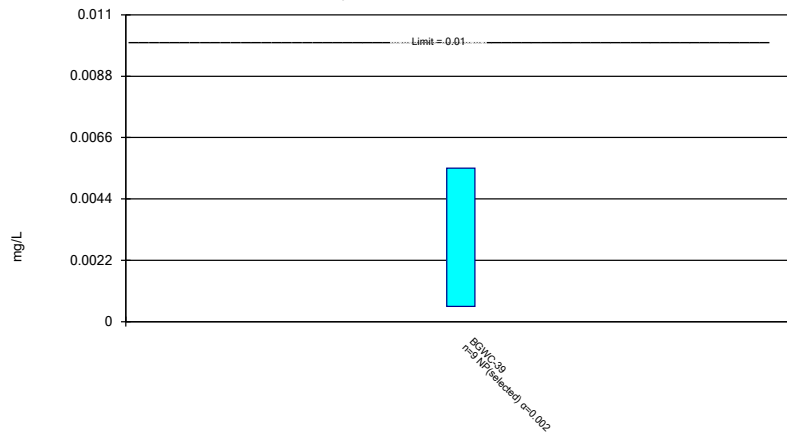
Constituent: Thallium (mg/L) Analysis Run 5/25/2023 2:48 PM View: Appendix IV  
Plant Bowen Client: Southern Company Data: Bowen AP-1

---

	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.

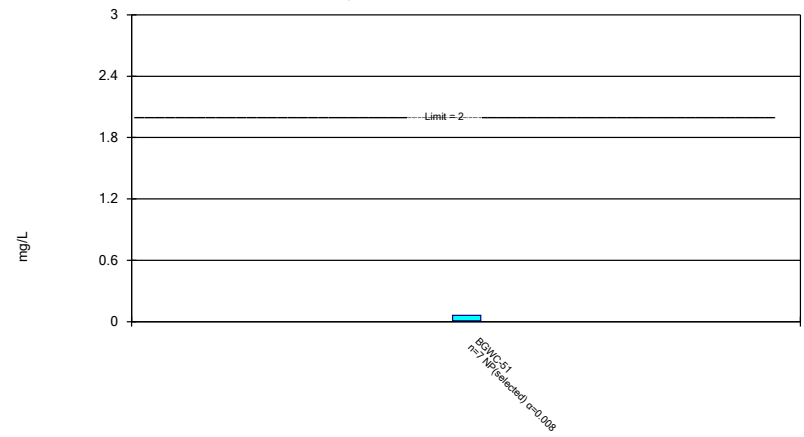


Normality testing disabled.

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.

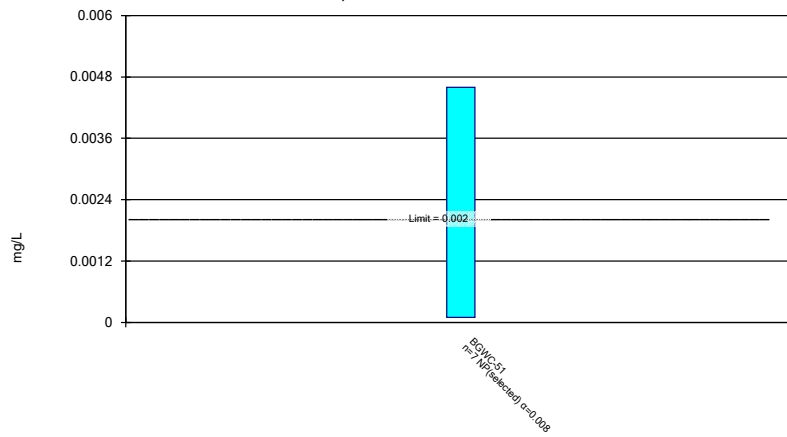


Normality testing disabled.

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>
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.004028</b>	<b>232</b>	<b>118</b>	<b>Yes</b>	<b>26</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Molybdenum (mg/L)</b>	<b>BGWA-33 (bg)</b>	<b>-0.003419</b>	<b>-39</b>	<b>-38</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

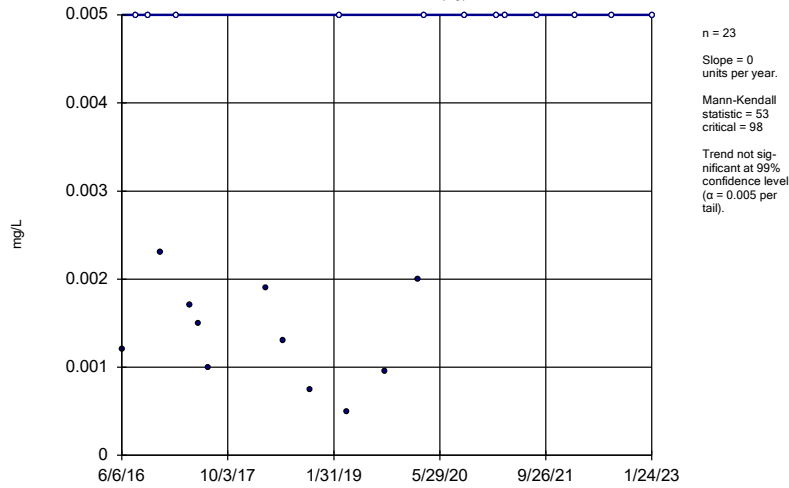
# Appendix IV Trend Tests - All Results

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
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.004028</b>	<b>232</b>	<b>118</b>	<b>Yes</b>	<b>26</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Molybdenum (mg/L)</b>	<b>BGWA-33 (bg)</b>	<b>-0.003419</b>	<b>-39</b>	<b>-38</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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

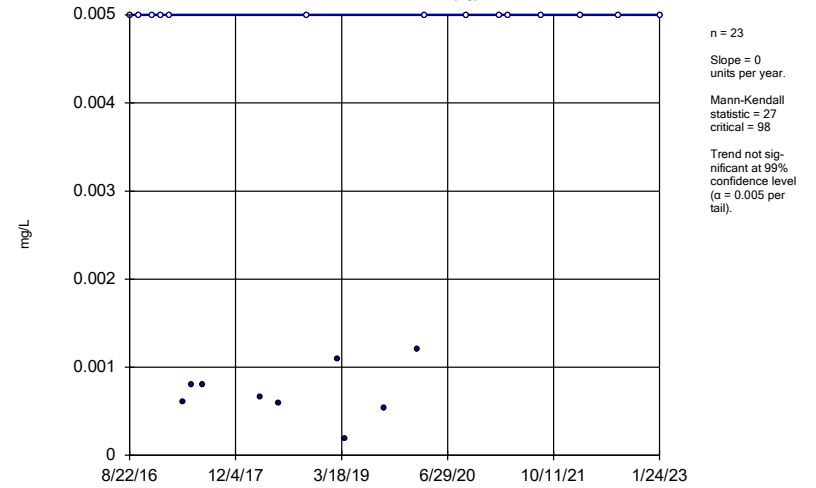
BGWA-2 (bg)



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

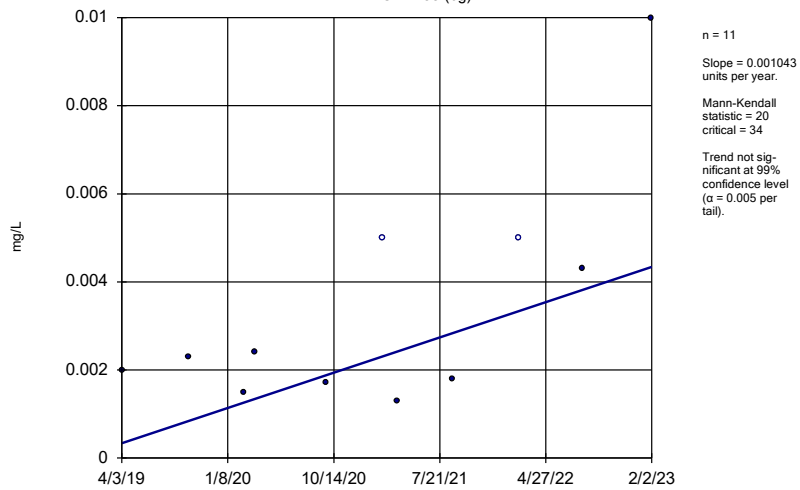
BGWA-29 (bg)



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

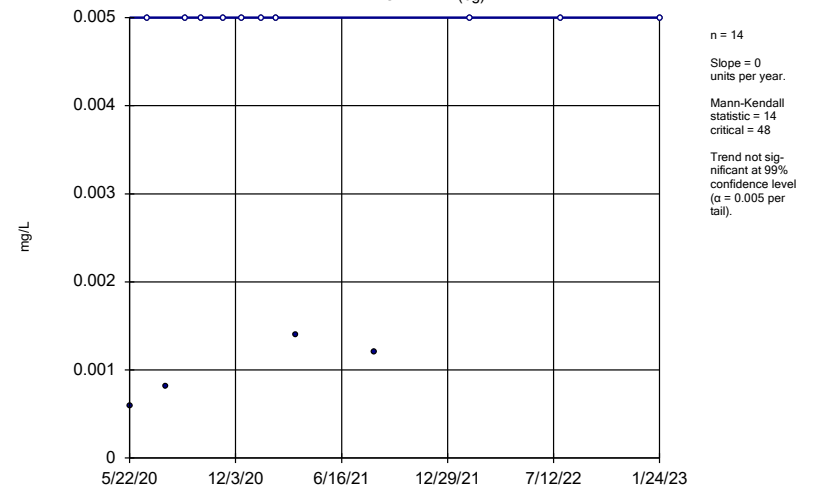
BGWA-33 (bg)



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)

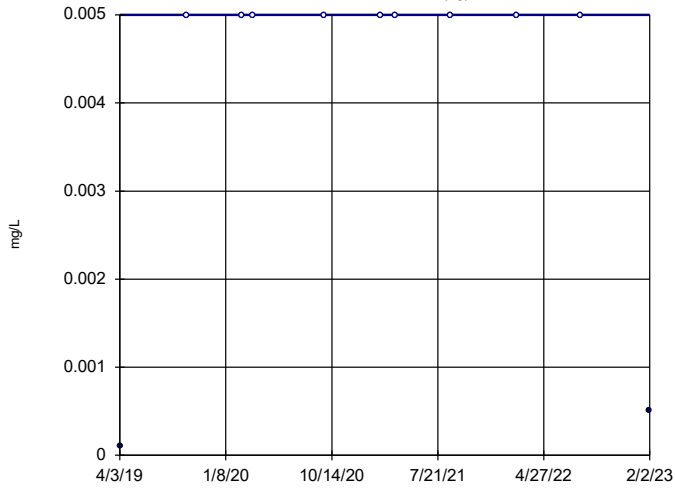


Constituent: Arsenic Analysis Run 5/25/2023 2:50 PM View: Appendix IV Trend Tests  
Plant Bowen Client: Southern Company Data: Bowen AP-1



### Sen's Slope Estimator

BGWA-33 (bg)

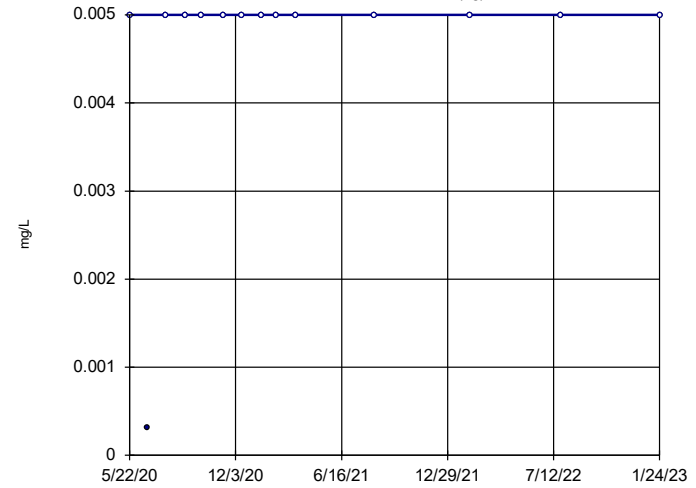


n = 11  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 1  
critical = 34  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

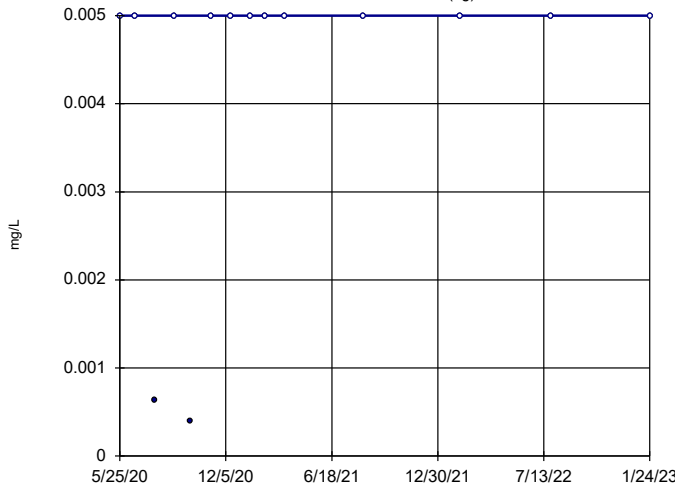


n = 14  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 11  
critical = 48  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

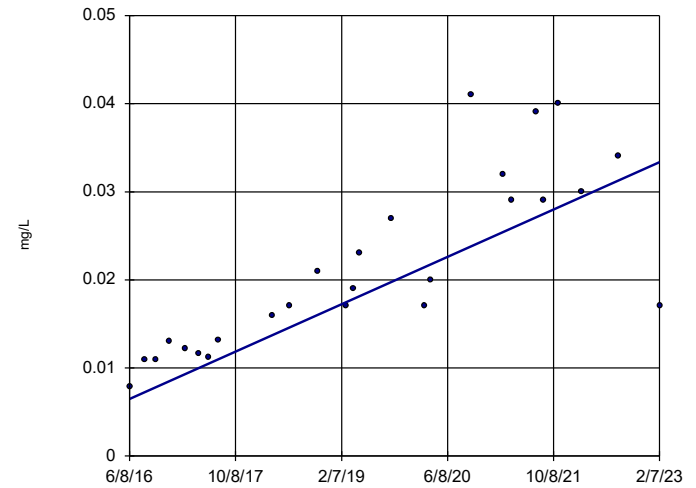


n = 14  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 13  
critical = 48  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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







FIGURE J.

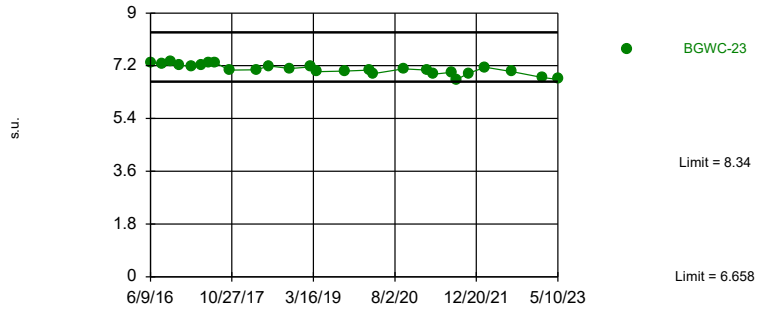
# Appendix III - Interwell Prediction Limits - Resample Results (No Significant)

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



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. Assumes 18 future values.

Constituent: pH Analysis Run 5/25/2023 2:20 PM View: Appendix III - Resample  
Plant Bowen Client: Southern Company Data: Bowen AP-1

# 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.



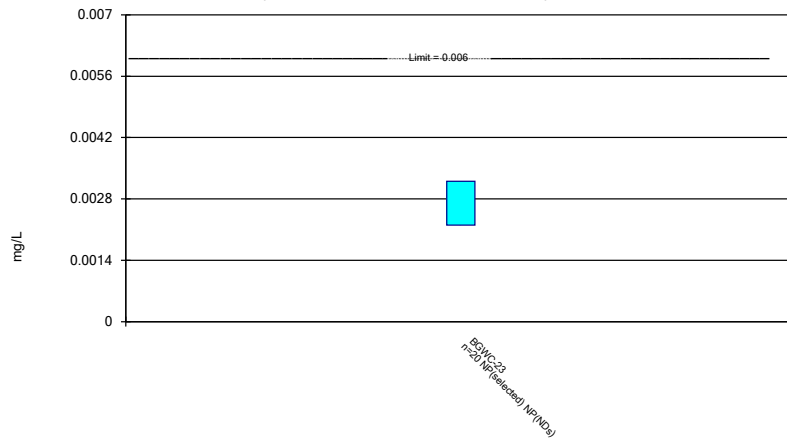
# Confidence Intervals - Resample Results (No Significant)

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

# APPENDIX D

## 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.

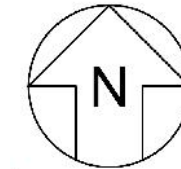
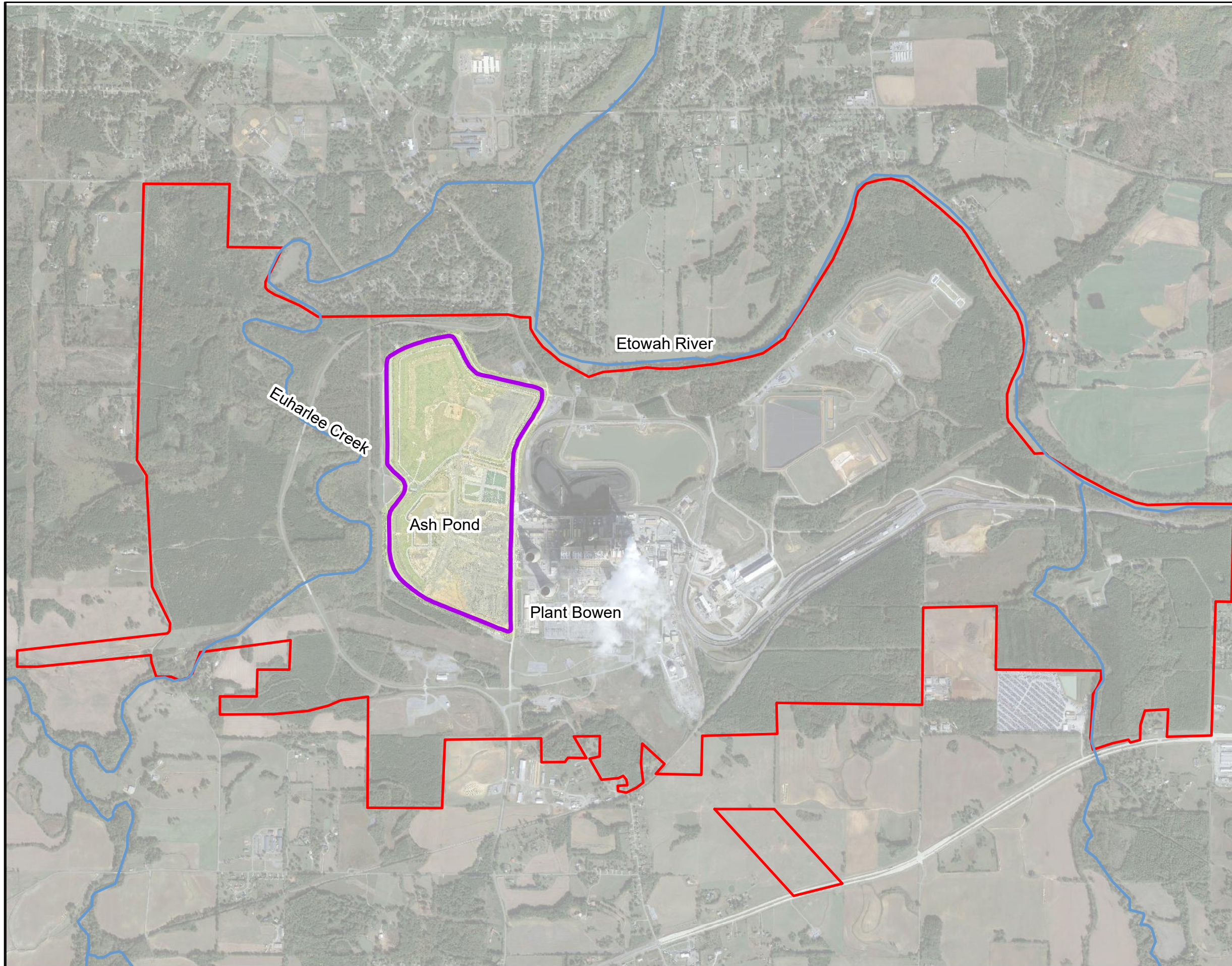
Sanitas: Groundwater Statistical Software, v. 9.6.26, 2018. Sanitas Technologies<sup>®</sup>, Boulder, Colorado.

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



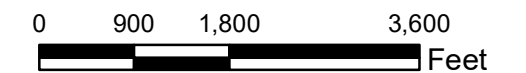


**LEGEND**

- 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

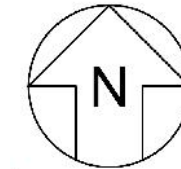
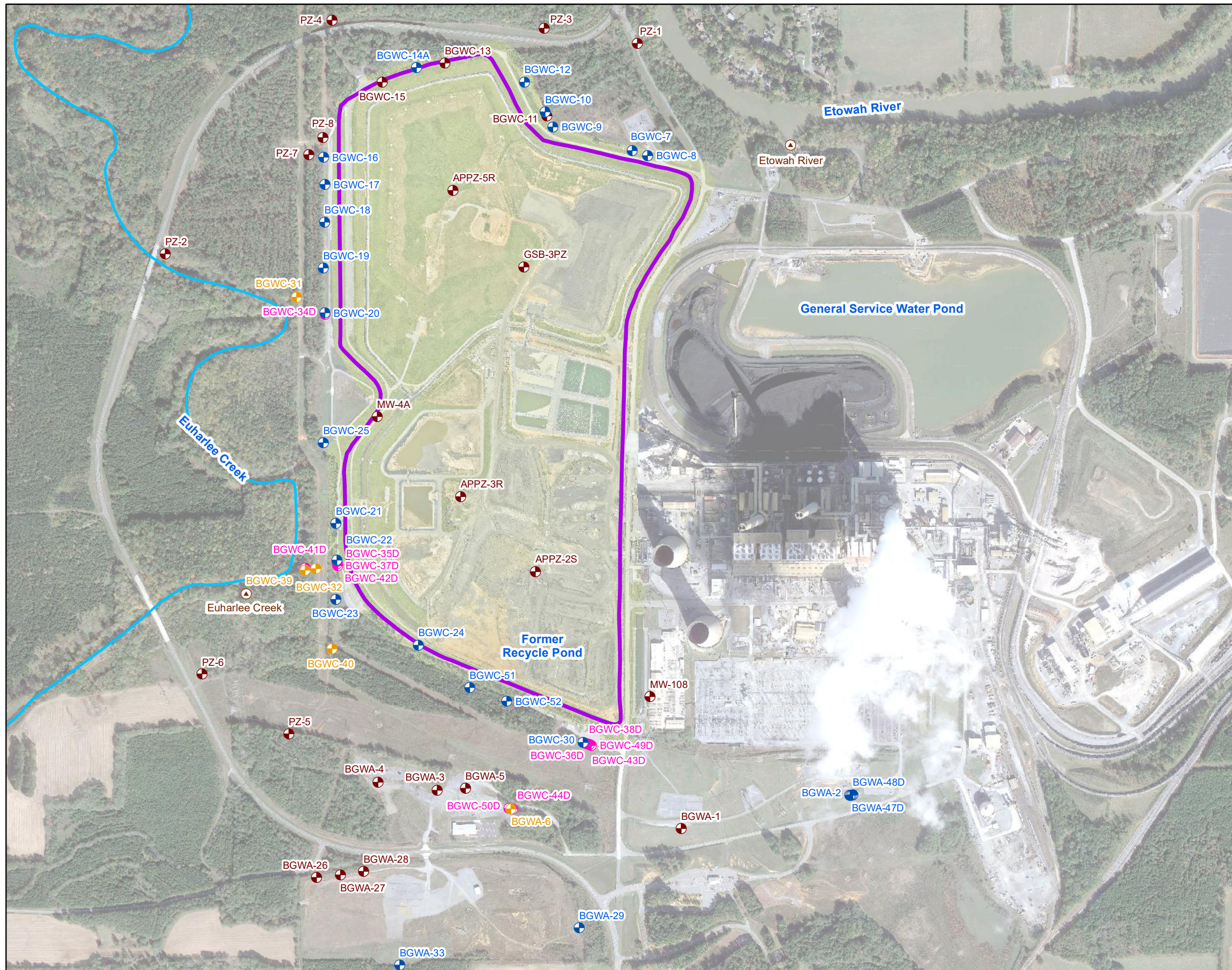
Prepared By: Geosyntec  
 consultants

**FIGURE  
1**

KENNESAW, GA

MAY 2023

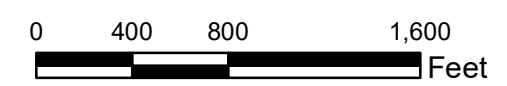




**LEGEND**

- + 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

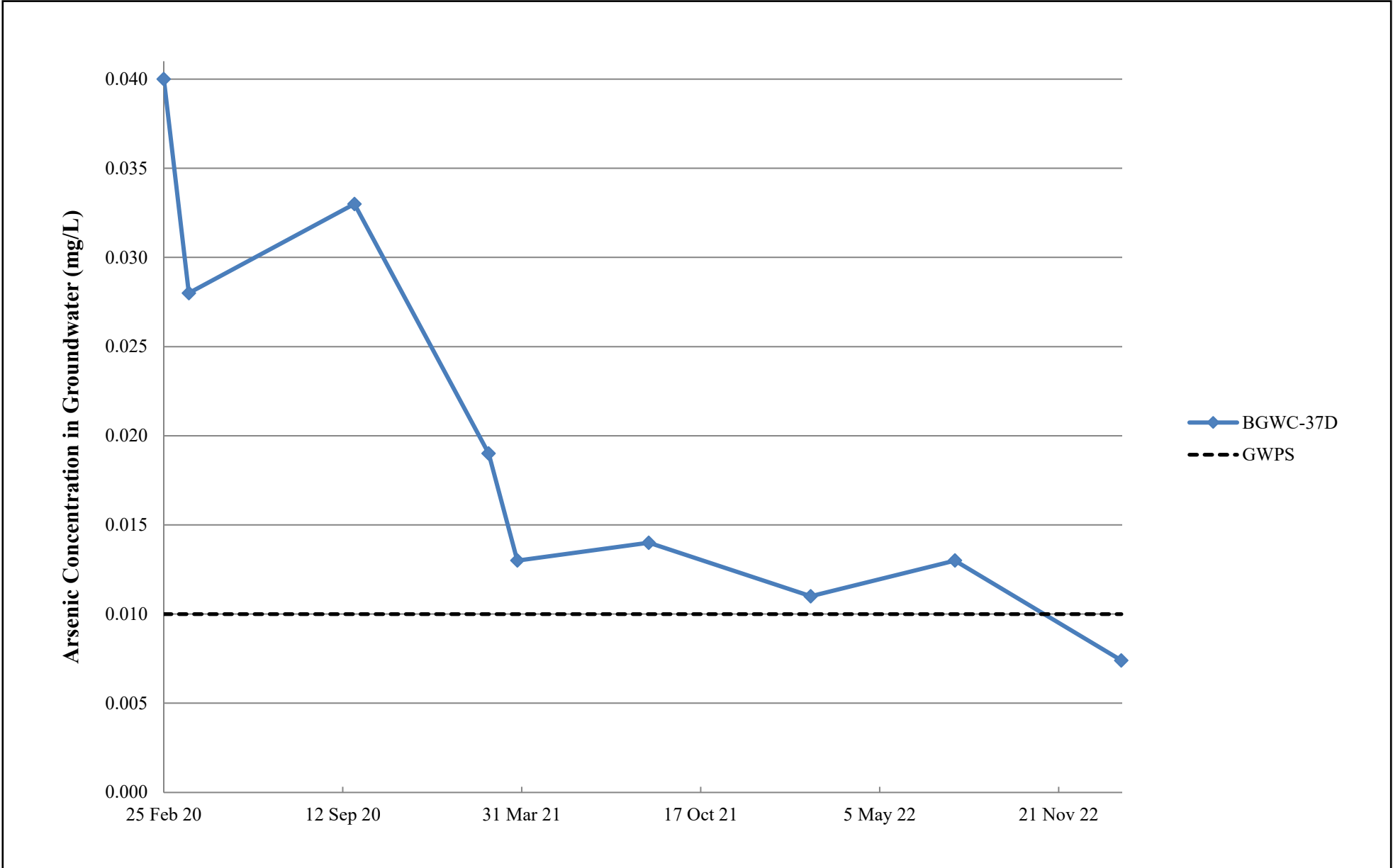
Prepared By: Geosyntec consultants

KENNESAW, GA

MAY 2023



**FIGURE**  
**2**





Note:

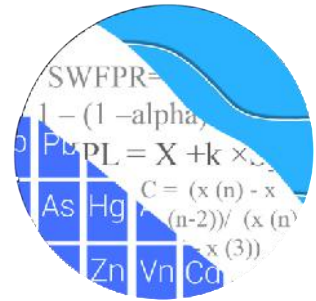
1. The Groundwater Protection Standard (GWPS) for arsenic is 0.010 mg/L.

<b>TIME SERIES PLOT FOR AS IN BGWC-37D</b> GEORGIA POWER COMPANY PLANT BOWEN AP-1 BARTOW COUNTY, GEORGIA	
Prepared For:	Prepared By:
	
KENNESAW, GA	MAY 2023
<b>FIGURE</b>  <b>3</b>	

# 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
<b>pH (s.u.)</b>	<b>BGWC-16</b>	<b>8.341</b>	<b>6.705</b>	<b>7/27/2022</b>	<b>6.49</b>	<b>Yes</b>	<b>84</b>	<b>57.26</b>	<b>5.773</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>pH (s.u.)</b>	<b>BGWC-19</b>	<b>8.341</b>	<b>6.705</b>	<b>7/27/2022</b>	<b>6.55</b>	<b>Yes</b>	<b>84</b>	<b>57.26</b>	<b>5.773</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>pH (s.u.)</b>	<b>BGWC-24</b>	<b>8.341</b>	<b>6.705</b>	<b>10/21/2022</b>	<b>6.3</b>	<b>Yes</b>	<b>84</b>	<b>57.26</b>	<b>5.773</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-10</b>	<b>78</b>	<b>n/a</b>	<b>7/28/2022</b>	<b>105</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-12</b>	<b>78</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>419</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-14A</b>	<b>78</b>	<b>n/a</b>	<b>7/26/2022</b>	<b>486</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-16</b>	<b>78</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>496</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-17</b>	<b>78</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>118</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-19</b>	<b>78</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>82.7</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-20</b>	<b>78</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>617</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-22</b>	<b>78</b>	<b>n/a</b>	<b>8/2/2022</b>	<b>762</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-23</b>	<b>78</b>	<b>n/a</b>	<b>8/1/2022</b>	<b>528</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-24</b>	<b>78</b>	<b>n/a</b>	<b>10/21/2022</b>	<b>389</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-7</b>	<b>78</b>	<b>n/a</b>	<b>7/28/2022</b>	<b>268</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-9</b>	<b>78</b>	<b>n/a</b>	<b>7/26/2022</b>	<b>88</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-12</b>	<b>469.5</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>952</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-14A</b>	<b>469.5</b>	<b>n/a</b>	<b>7/26/2022</b>	<b>966</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-16</b>	<b>469.5</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>944</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-20</b>	<b>469.5</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>1370</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-22</b>	<b>469.5</b>	<b>n/a</b>	<b>8/2/2022</b>	<b>3440</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-23</b>	<b>469.5</b>	<b>n/a</b>	<b>8/1/2022</b>	<b>2780</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-24</b>	<b>469.5</b>	<b>n/a</b>	<b>10/21/2022</b>	<b>1610</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-30</b>	<b>469.5</b>	<b>n/a</b>	<b>8/1/2022</b>	<b>582</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-7</b>	<b>469.5</b>	<b>n/a</b>	<b>7/28/2022</b>	<b>732</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Boron (mg/L)</b>	<b>BGWC-12</b>	<b>0.05103</b>	<b>90</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Boron (mg/L)</b>	<b>BGWC-18</b>	<b>-0.07488</b>	<b>-95</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Boron (mg/L)</b>	<b>BGWC-22</b>	<b>1.795</b>	<b>160</b>	<b>98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-23</b>	<b>1.856</b>	<b>154</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron (mg/L)	BGWC-24	-0.3723	-20	-92	No	22	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>BGWC-25</b>	<b>0.004415</b>	<b>78</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-30</b>	<b>-3.891</b>	<b>-131</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-7</b>	<b>-0.1574</b>	<b>-113</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron (mg/L)	BGWC-8	-0.003776	-44	-74	No	19	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>BGWC-9</b>	<b>-0.04004</b>	<b>-92</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWA-2 (bg)</b>	<b>2.945</b>	<b>115</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Calcium (mg/L)</b>	<b>BGWC-12</b>	<b>14.17</b>	<b>146</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	BGWC-14A	21.17	26	38	No	12	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>BGWC-16</b>	<b>6.772</b>	<b>87</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-20</b>	<b>13.98</b>	<b>113</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-22</b>	<b>59.98</b>	<b>182</b>	<b>98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-23</b>	<b>78.86</b>	<b>160</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Chloride (mg/L)</b>	<b>BGWA-29 (bg)</b>	<b>-0.1487</b>	<b>-135</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Chloride (mg/L)</b>	<b>BGWC-10</b>	<b>1.301</b>	<b>113</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-12</b>	<b>-5.329</b>	<b>-158</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	BGWC-14A	-3.124	-15	-38	No	12	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>BGWC-16</b>	<b>-4.056</b>	<b>-110</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Chloride (mg/L)</b>	<b>BGWC-22</b>	<b>57.74</b>	<b>130</b>	<b>98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-23</b>	<b>95.49</b>	<b>138</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-24</b>	<b>-146</b>	<b>-94</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-30</b>	<b>-150.4</b>	<b>-143</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-9</b>	<b>-5.154</b>	<b>-104</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>pH (s.u.)</b>	<b>BGWA-47D (bg)</b>	<b>-0.1588</b>	<b>-54</b>	<b>-43</b>	<b>Yes</b>	<b>13</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (s.u.)	BGWA-48D (bg)	-0.2026	-41	-43	No	13	0	n/a	n/a	0.01	NP
<b>pH (s.u.)</b>	<b>BGWC-16</b>	<b>-0.06548</b>	<b>-161</b>	<b>-98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (s.u.)	BGWC-19	-0.005105	-31	-98	No	23	0	n/a	n/a	0.01	NP
<b>pH (s.u.)</b>	<b>BGWC-24</b>	<b>-0.05117</b>	<b>-165</b>	<b>-118</b>	<b>Yes</b>	<b>26</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>BGWA-2 (bg)</b>	<b>1.439</b>	<b>131</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWA-47D (bg)</b>	<b>8.354</b>	<b>44</b>	<b>38</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-12</b>	<b>30.17</b>	<b>119</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	BGWC-14A	68.69	20	38	No	12	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>BGWC-16</b>	<b>14.92</b>	<b>96</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

# 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
<b>Sulfate (mg/L)</b>	<b>BGWC-19</b>	<b>-9.18</b>	<b>-75</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-7</b>	<b>-40.5</b>	<b>-86</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-9</b>	<b>-7.855</b>	<b>-94</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-12</b>	<b>55.89</b>	<b>105</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-22</b>	<b>227.7</b>	<b>93</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-23</b>	<b>238.1</b>	<b>121</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids (mg/L)	BGWC-24	-217.9	-54	-81	No	20	0	n/a	n/a	0.01	NP
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-30</b>	<b>-394.4</b>	<b>-120</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-7</b>	<b>-53.6</b>	<b>-103</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

# 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)

<b>BOWEN ASH POND 1 GWPS</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR-Rule Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
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.
<b>Arsenic (mg/L)</b>	<b>BGWC-34D</b>	<b>0.01848</b>	<b>0.01522</b>	<b>0.01</b>	<b>Yes</b>	<b>13</b>	<b>0.01685</b>	<b>0.002193</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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)
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.02671</b>	<b>0.01664</b>	<b>0.006</b>	<b>Yes</b>	<b>25</b>	<b>0.02168</b>	<b>0.01011</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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.
<b>Molybdenum (mg/L)</b>	<b>BGWC-43D</b>	<b>0.2157</b>	<b>0.1354</b>	<b>0.1</b>	<b>Yes</b>	<b>9</b>	<b>0.1756</b>	<b>0.04157</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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>
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.004271</b>	<b>236</b>	<b>111</b>	<b>Yes</b>	<b>25</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

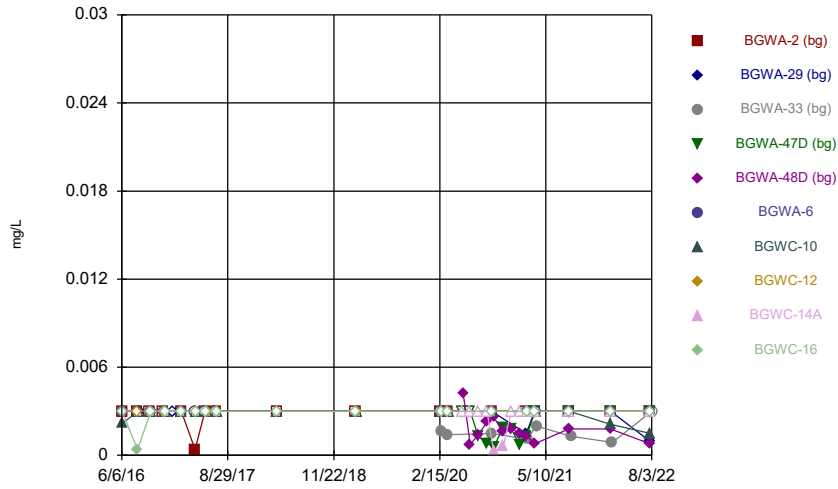
# Appendix IV Trend Tests - All Results

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
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.004271</b>	<b>236</b>	<b>111</b>	<b>Yes</b>	<b>25</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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

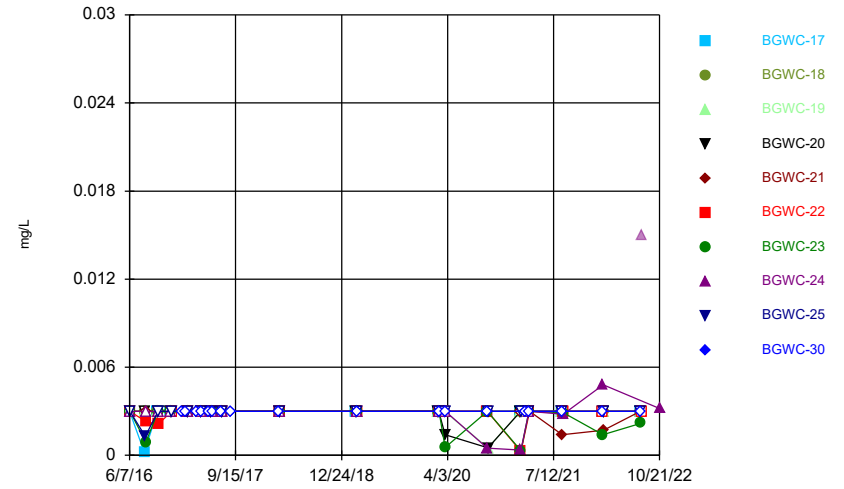
FIGURE A.

### Time Series



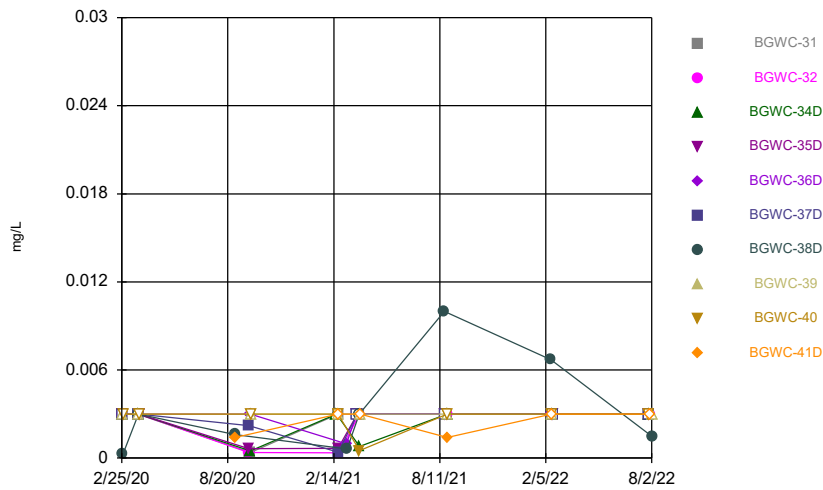
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



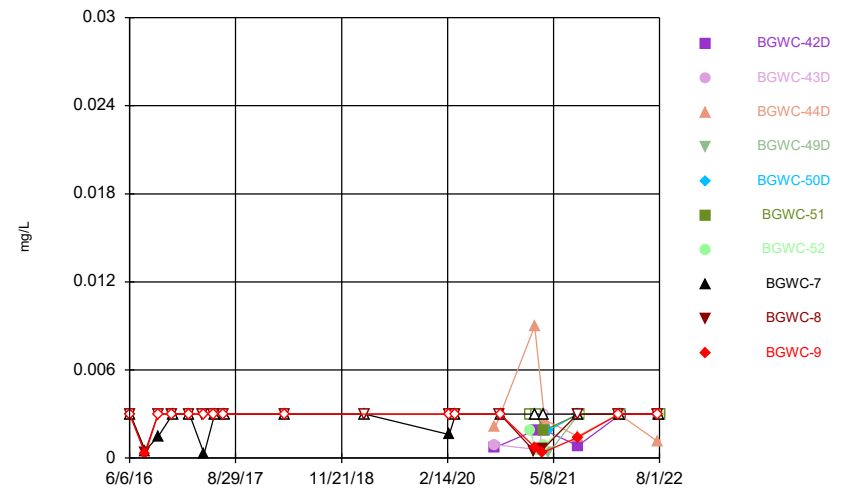
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### Time Series



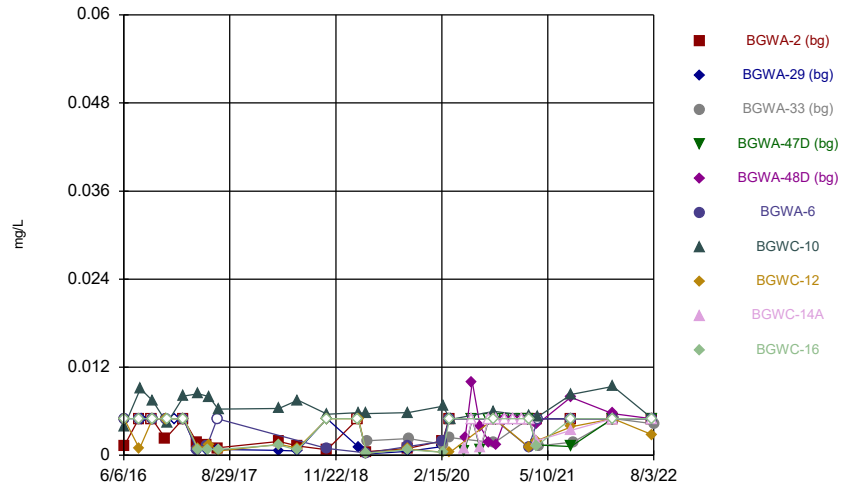
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### Time Series



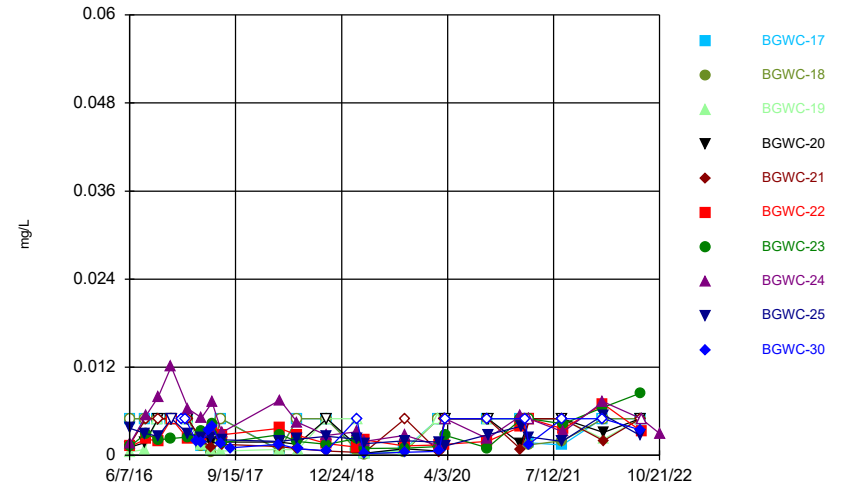
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### Time Series



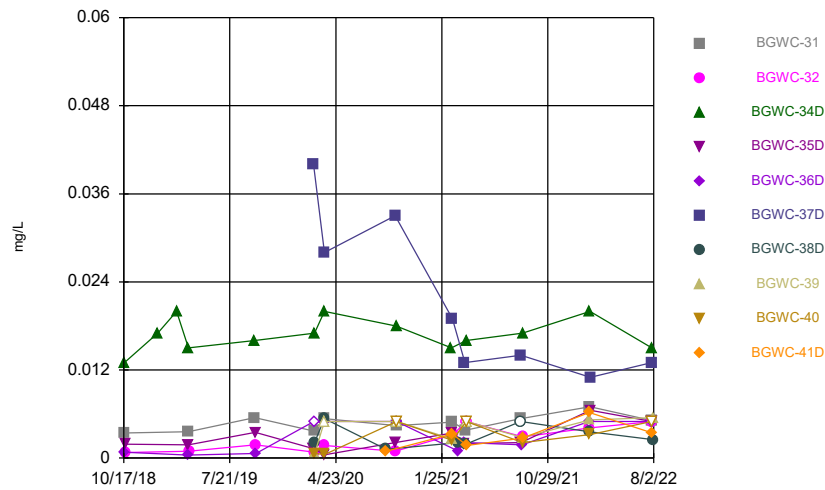
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### Time Series



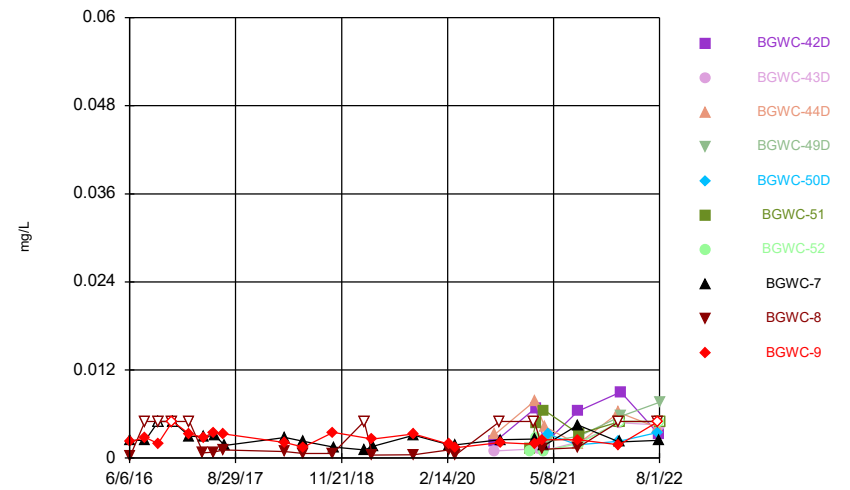
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### Time Series



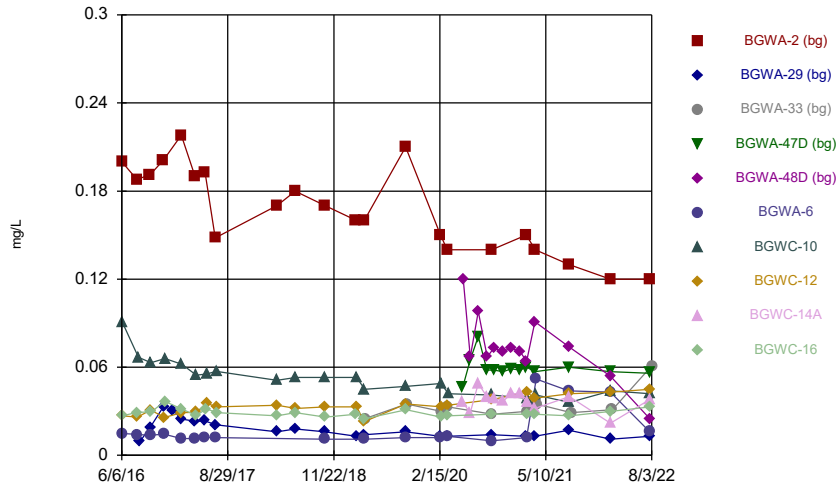
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



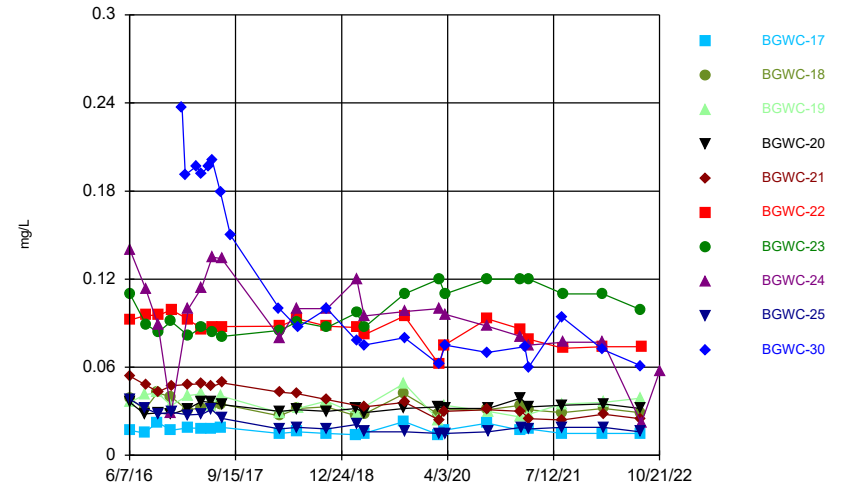
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



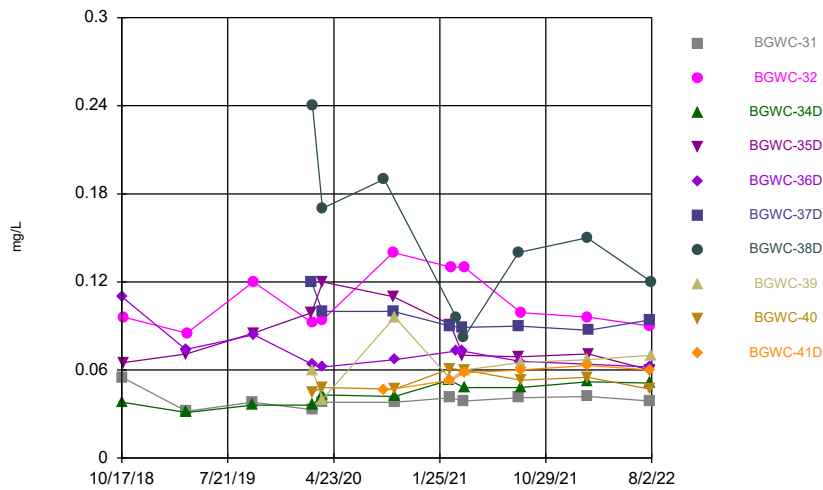
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



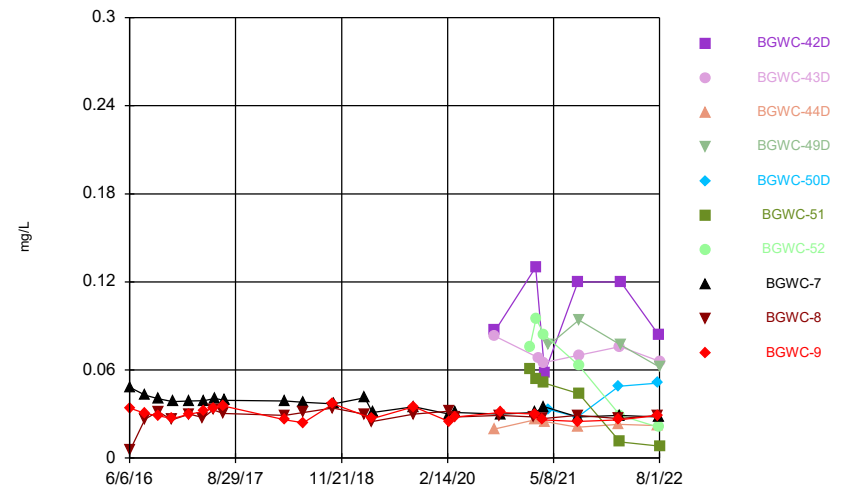
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Time Series



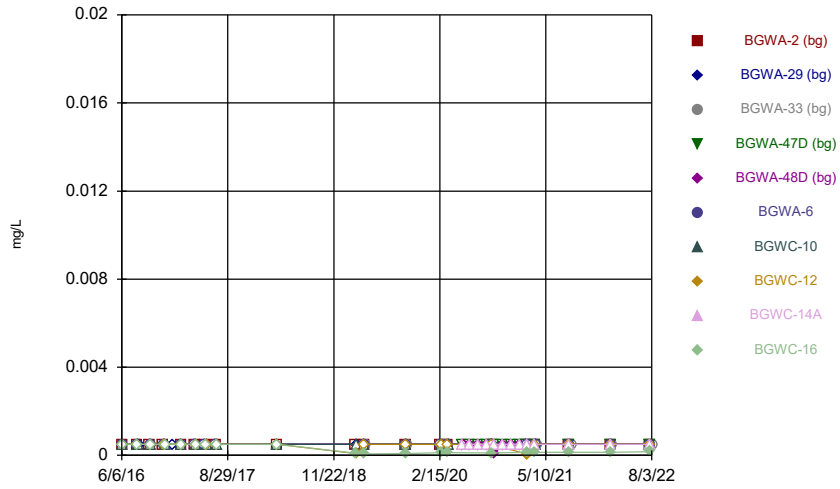
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



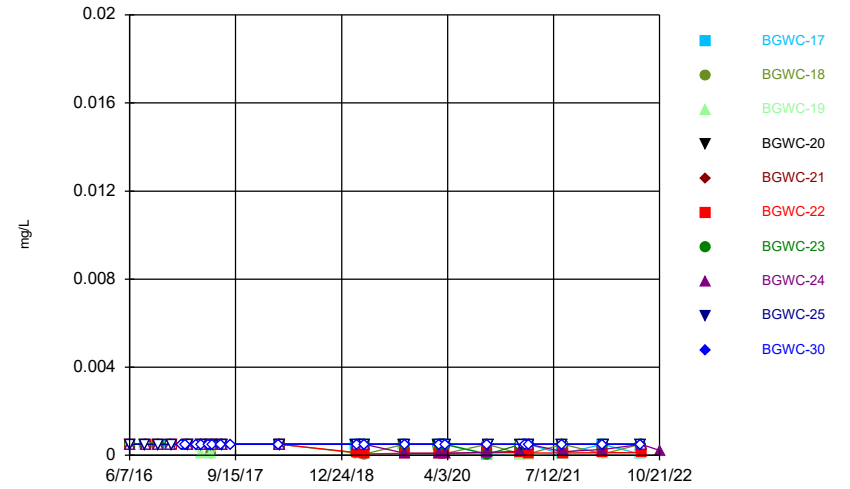
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### Time Series



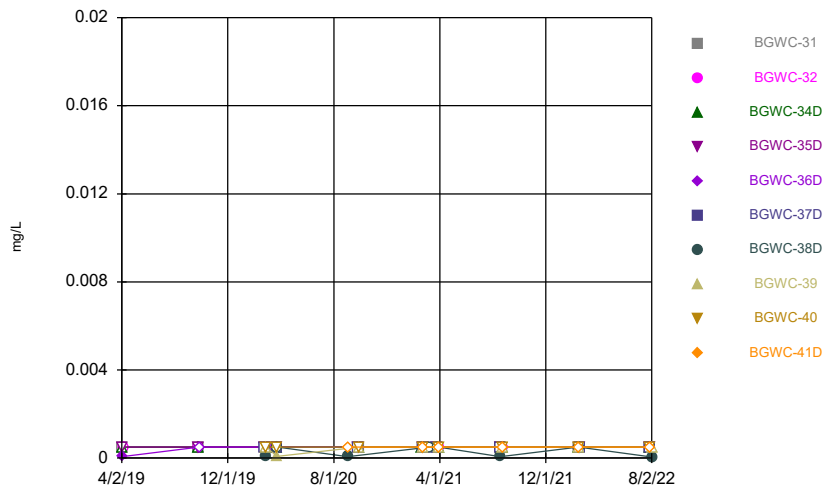
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### Time Series



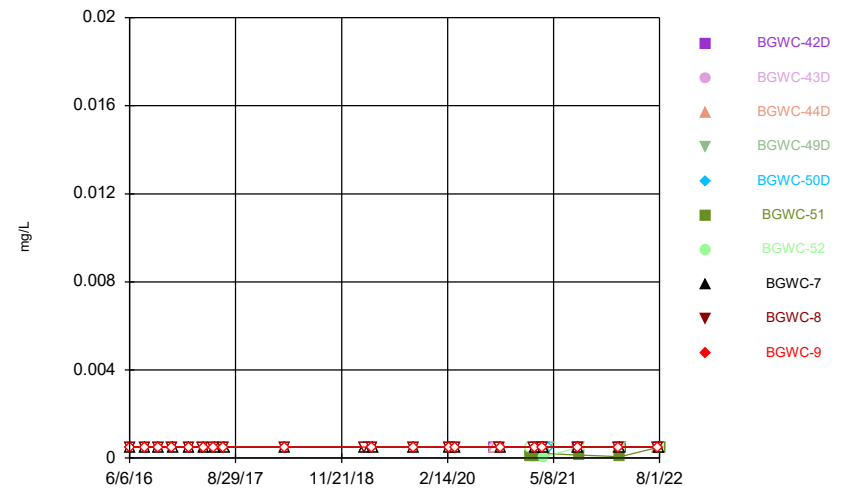
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



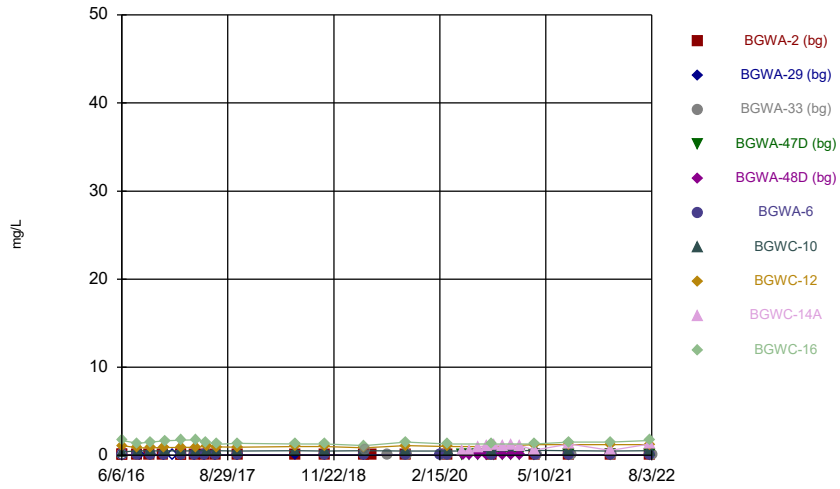
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



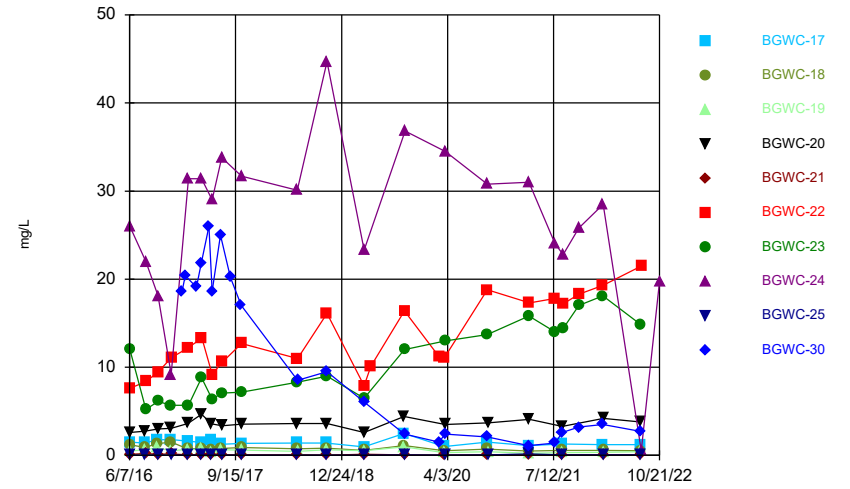
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### Time Series



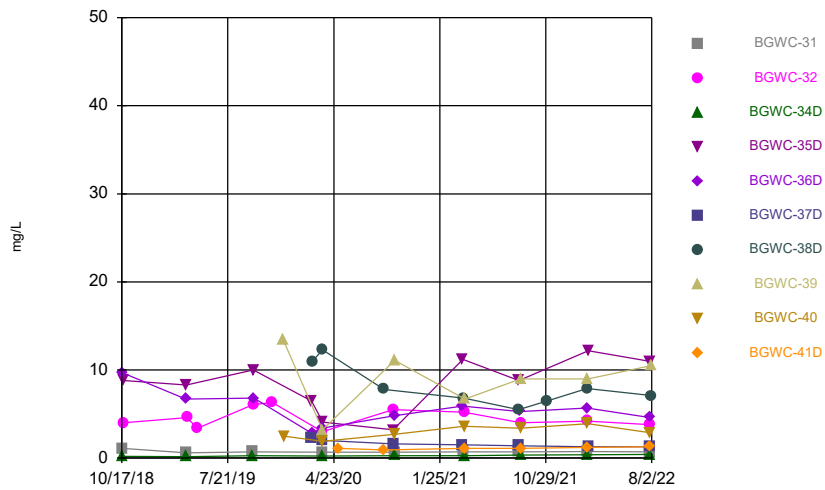
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### Time Series



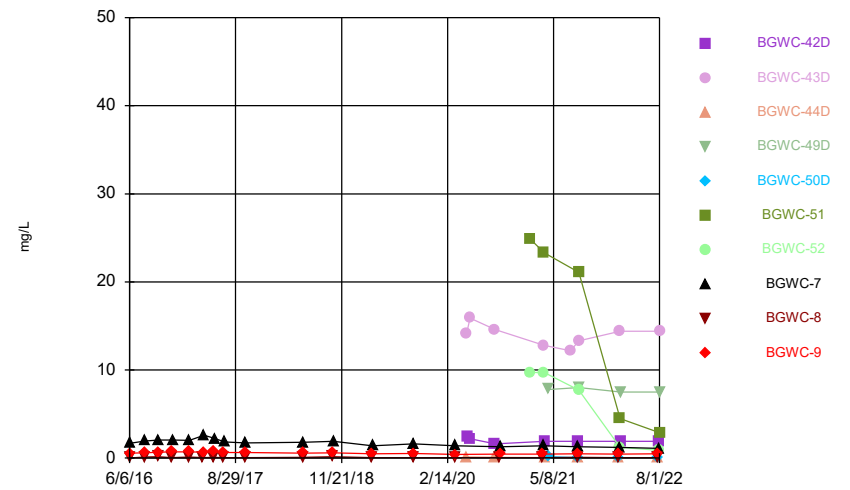
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### Time Series



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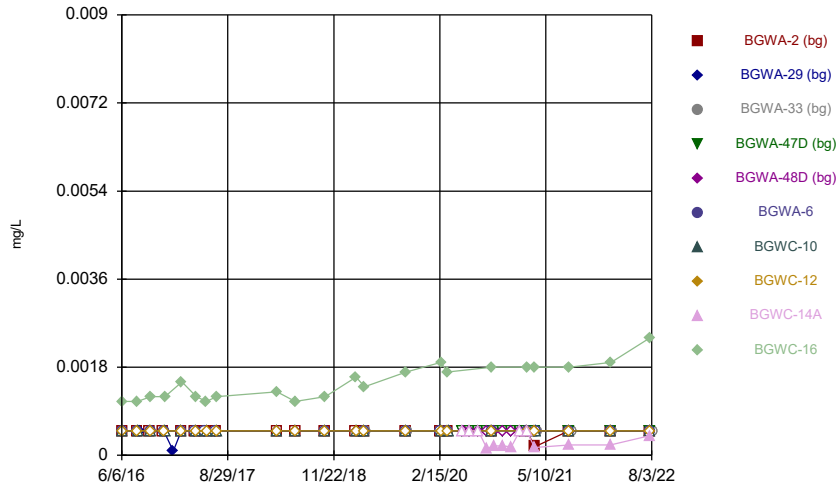
### Time Series



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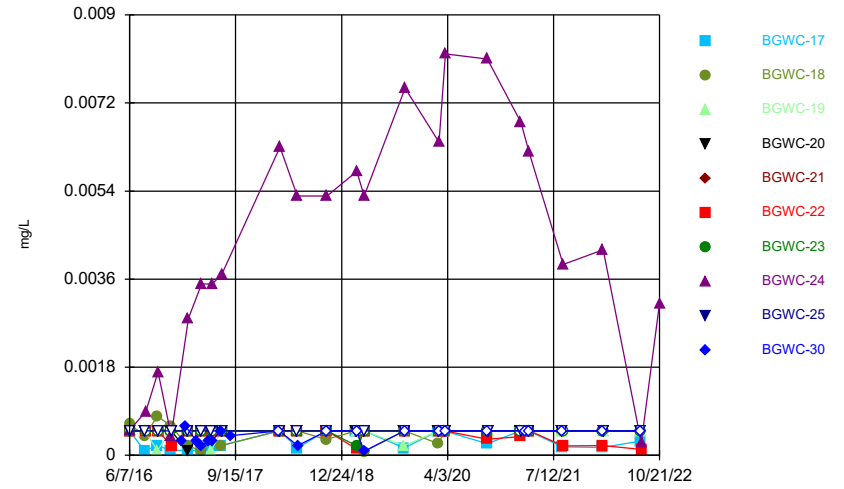


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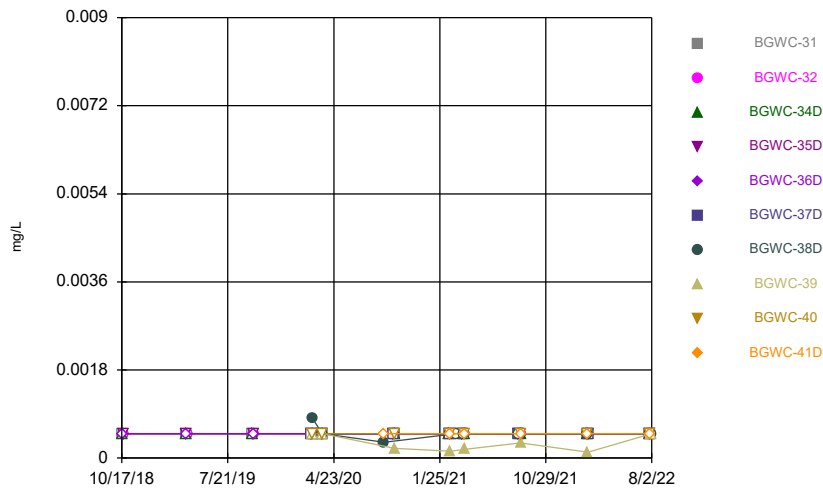
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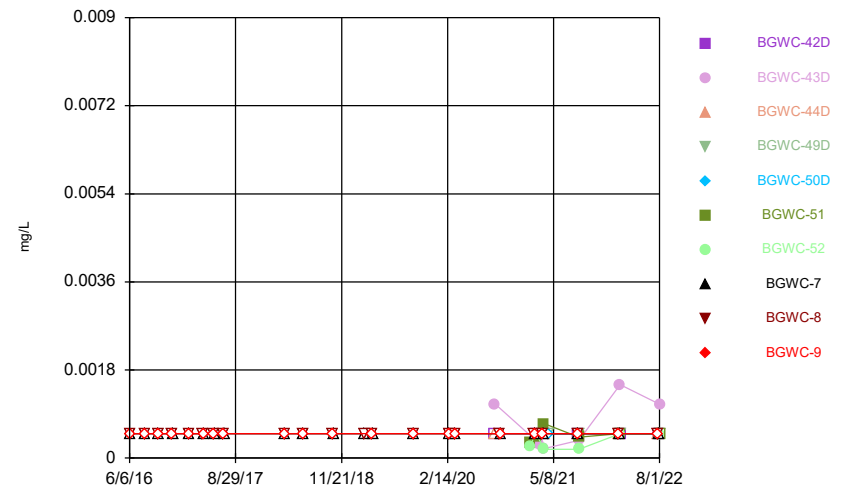
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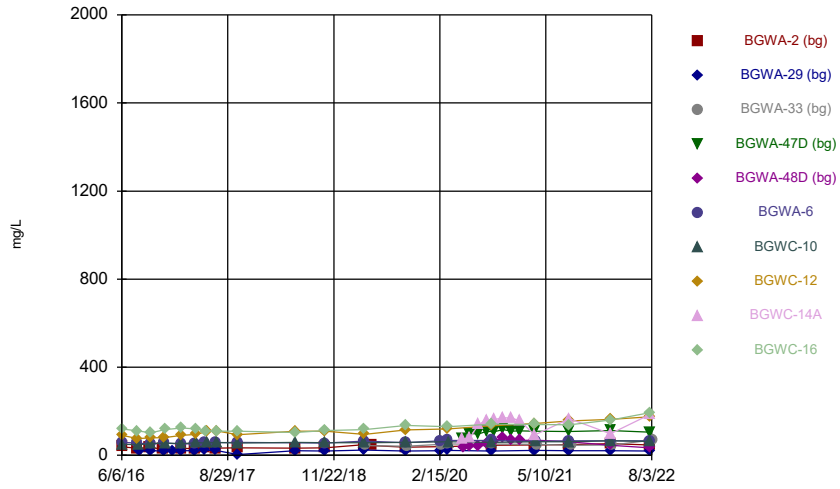
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### Time Series



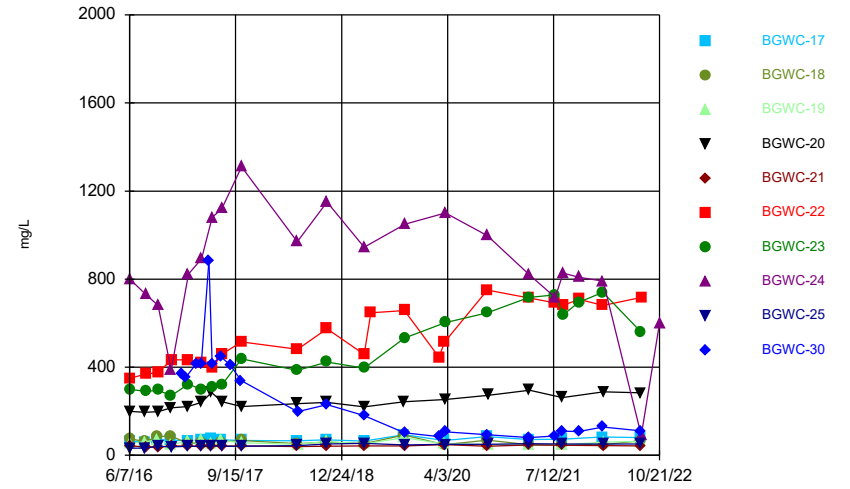
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



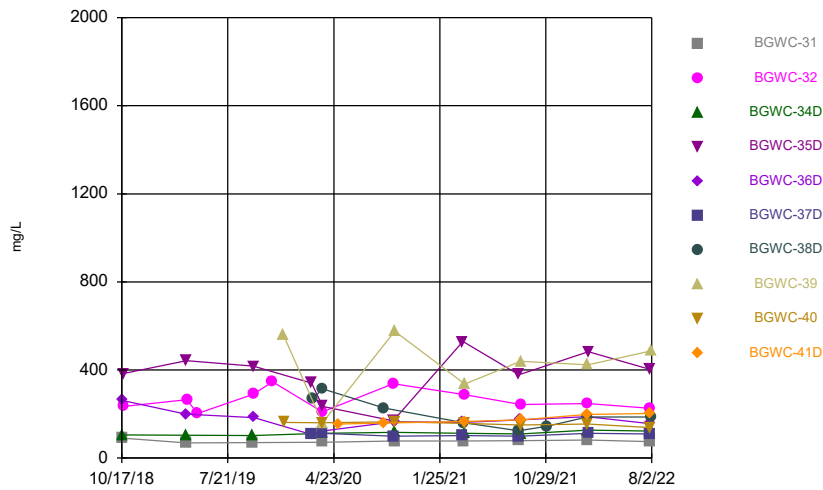
Constituent: Calcium Analysis Run 11/18/2022 2:50 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



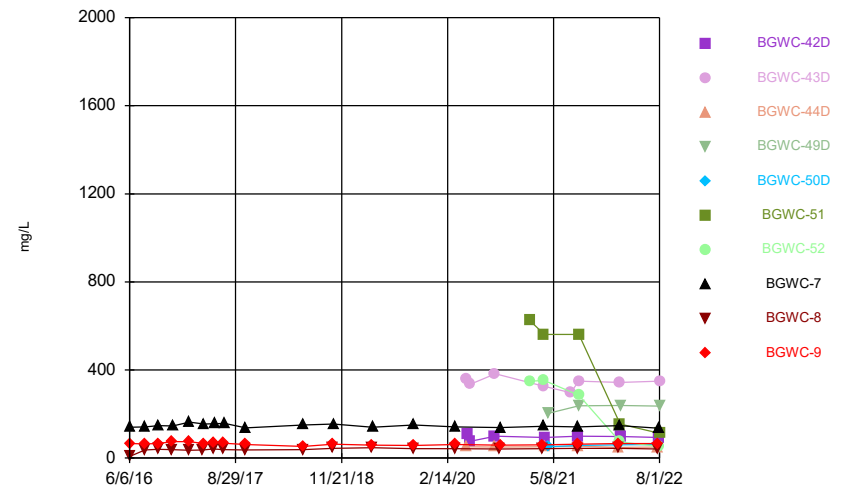
Constituent: Calcium Analysis Run 11/18/2022 2:50 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



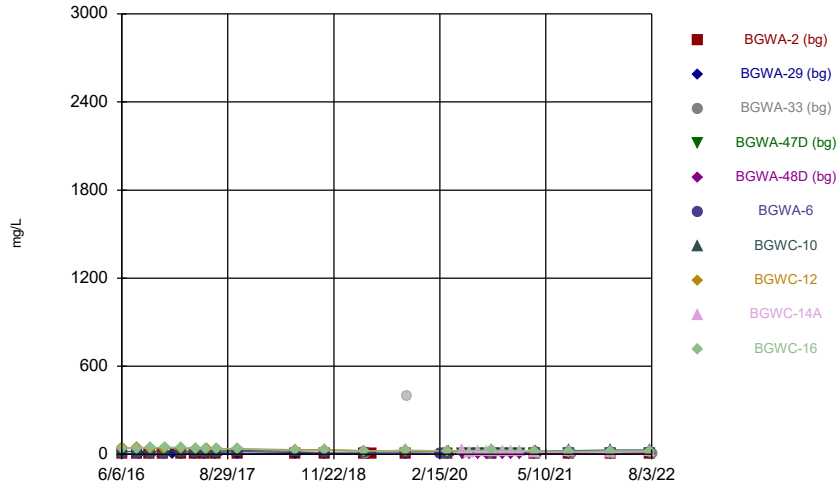
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



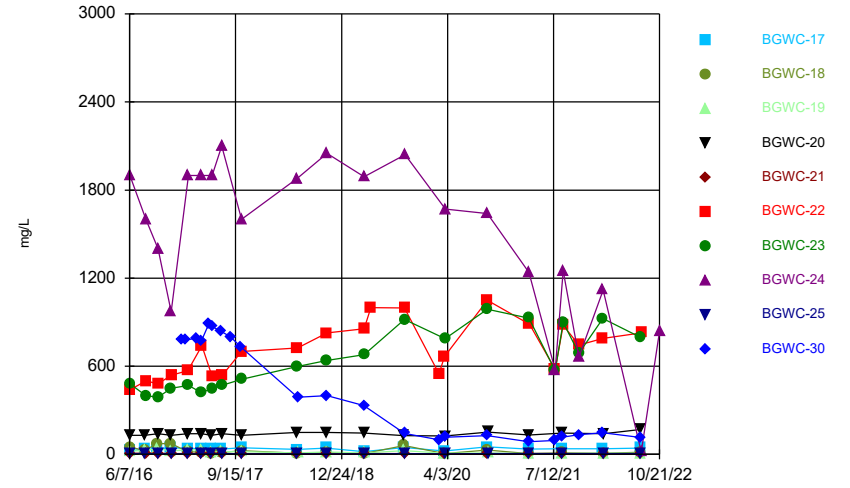
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



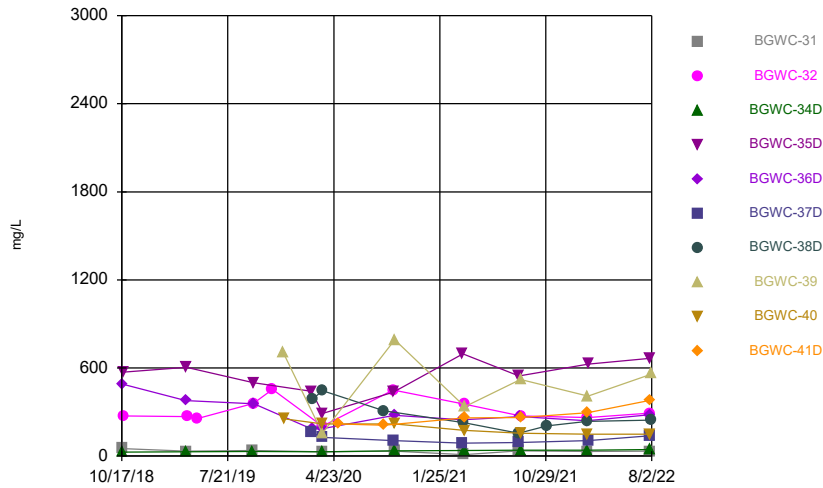
Constituent: Chloride Analysis Run 11/18/2022 2:50 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



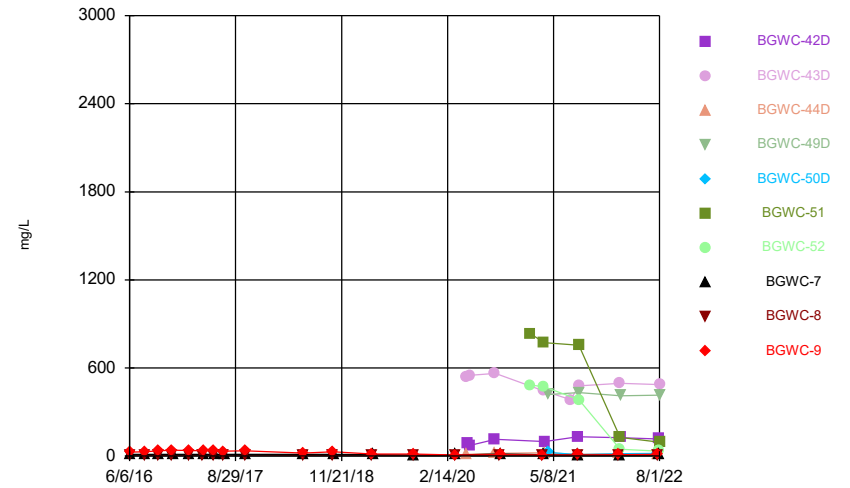
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



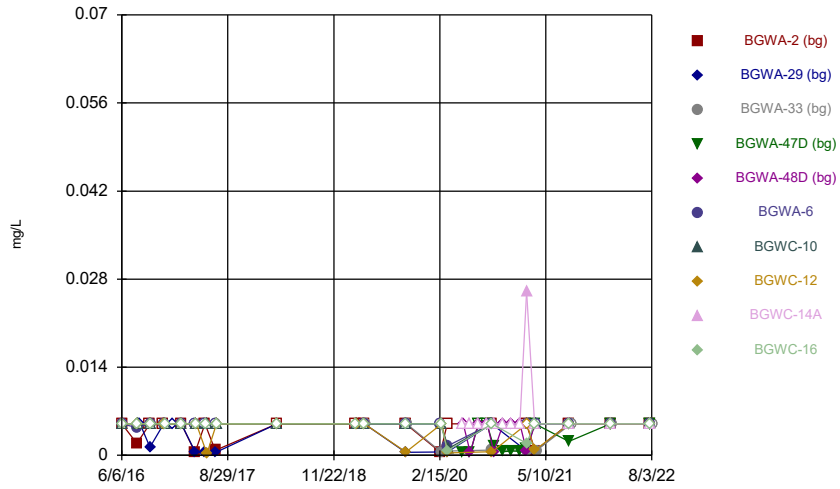
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



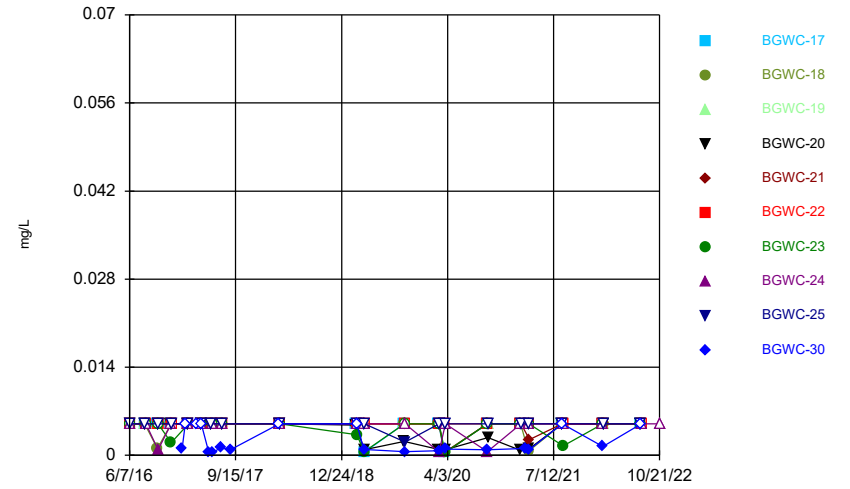
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



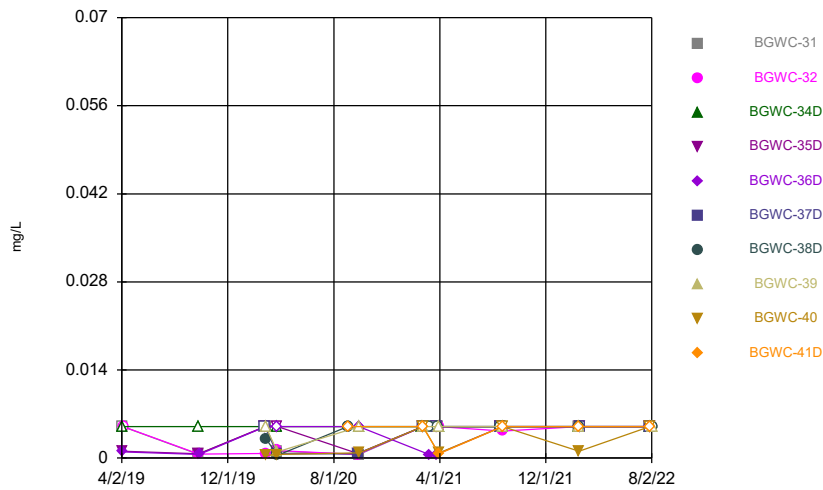
Constituent: Chromium Analysis Run 11/18/2022 2:50 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



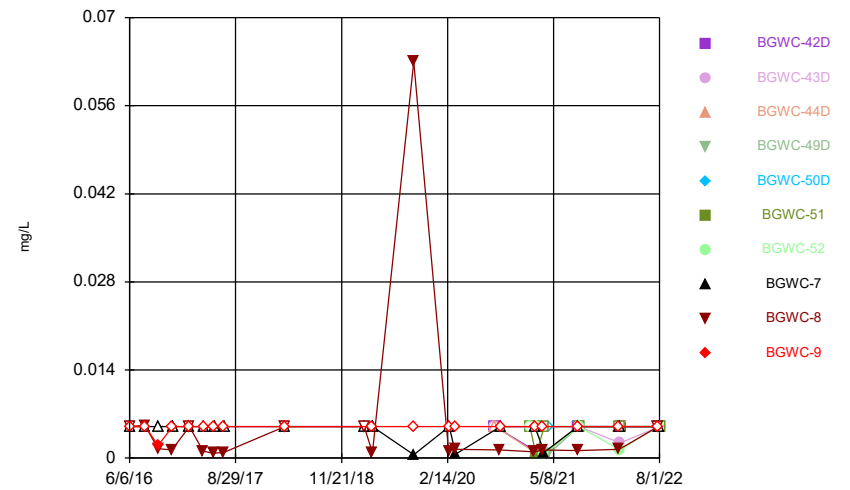
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### Time Series



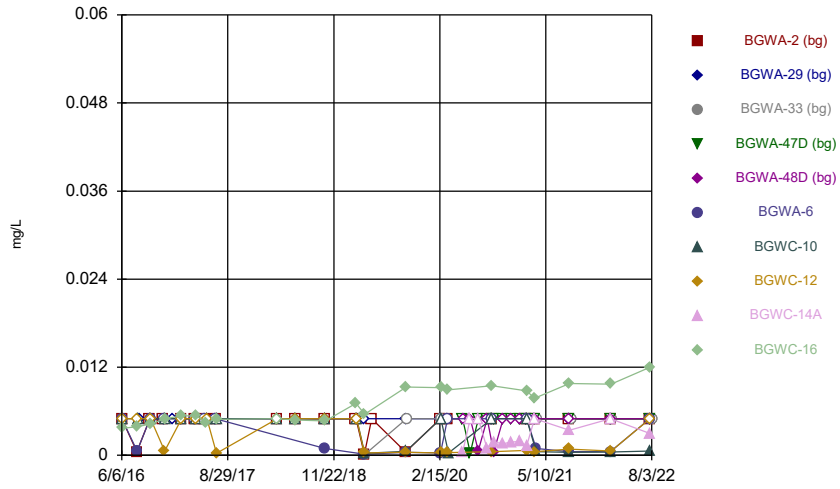
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



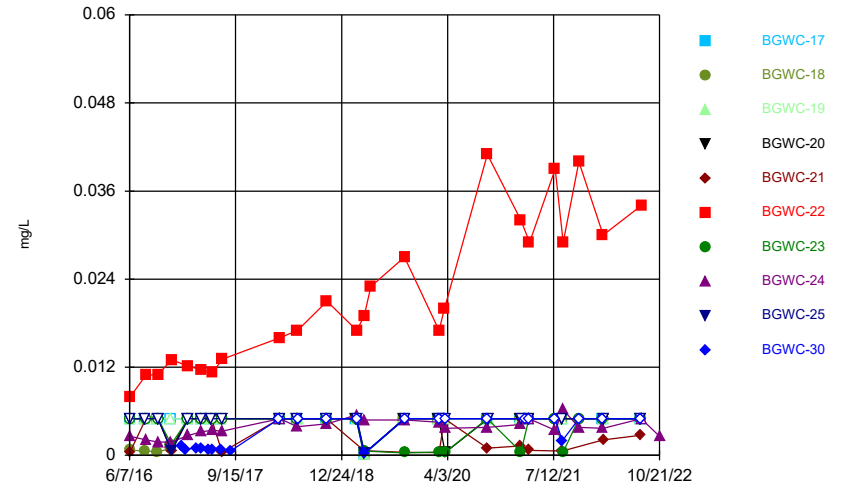
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



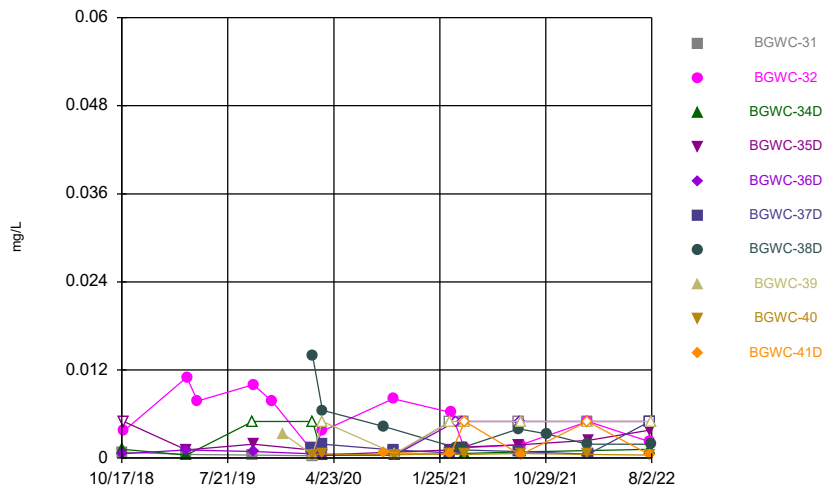
Constituent: Cobalt Analysis Run 11/18/2022 2:50 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



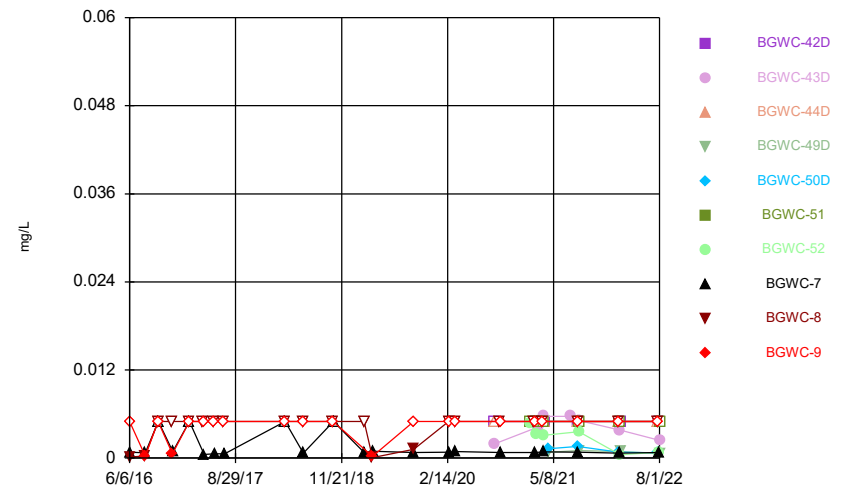
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



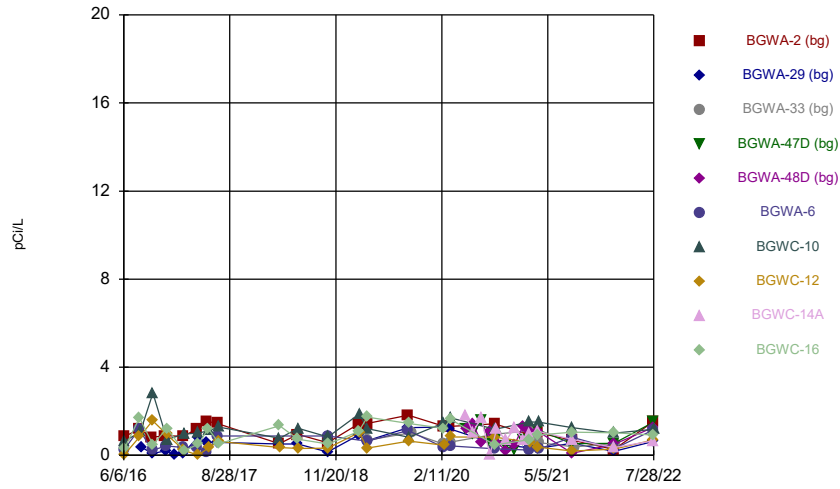
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



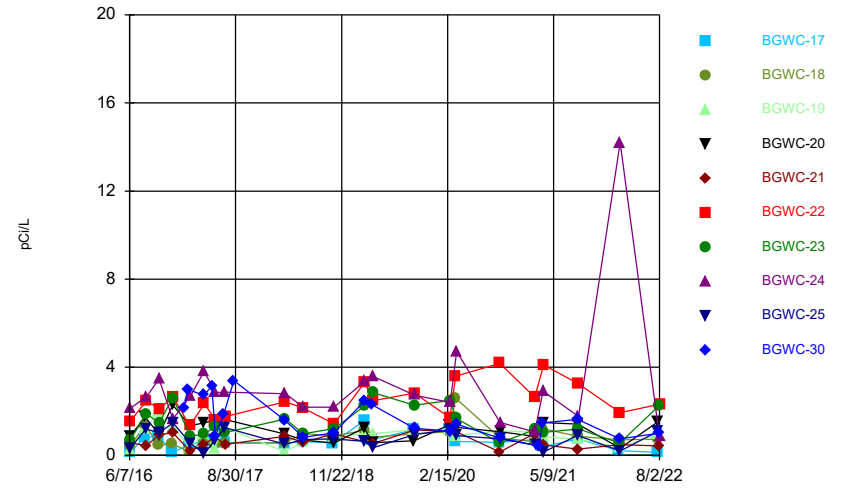
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



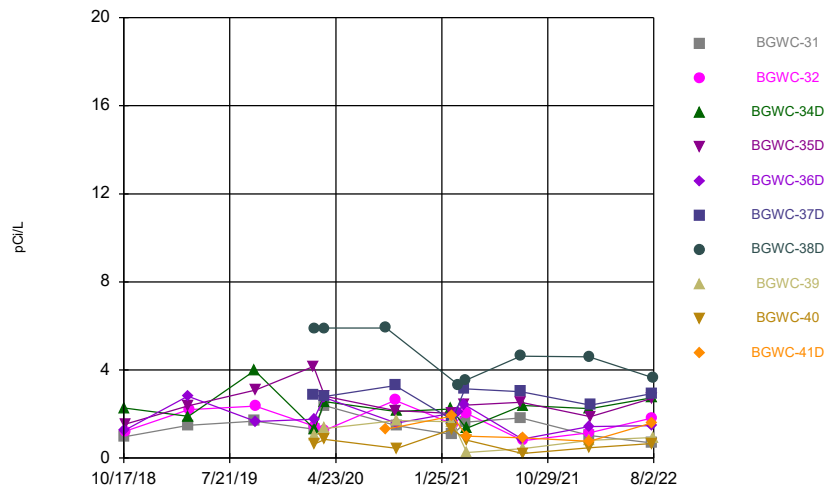
Constituent: Combined Radium 226 + 228 Analysis Run 11/18/2022 2:50 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



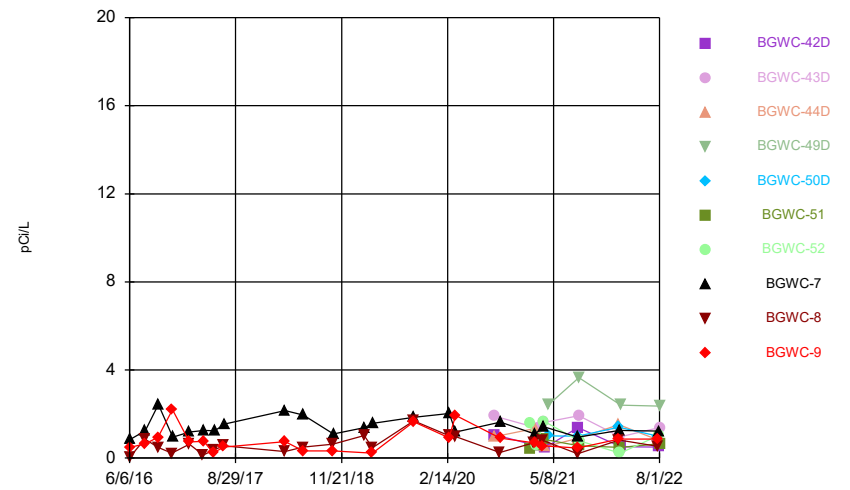
Constituent: Combined Radium 226 + 228 Analysis Run 11/18/2022 2:50 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



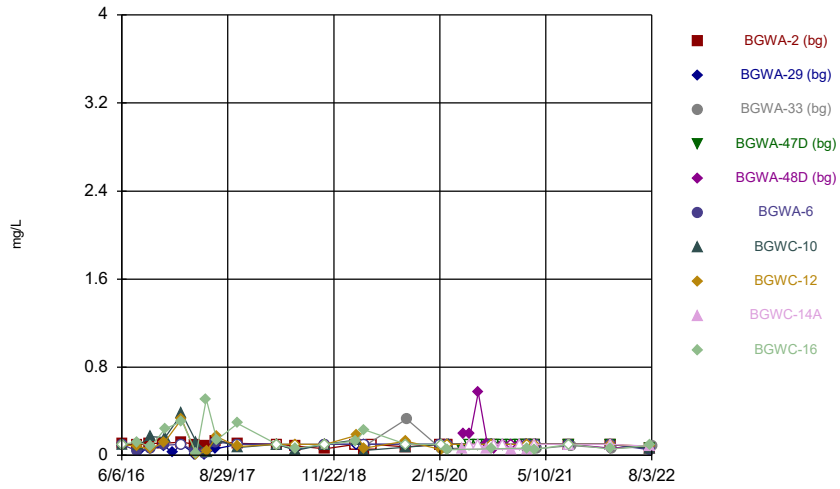
Constituent: Combined Radium 226 + 228 Analysis Run 11/18/2022 2:50 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



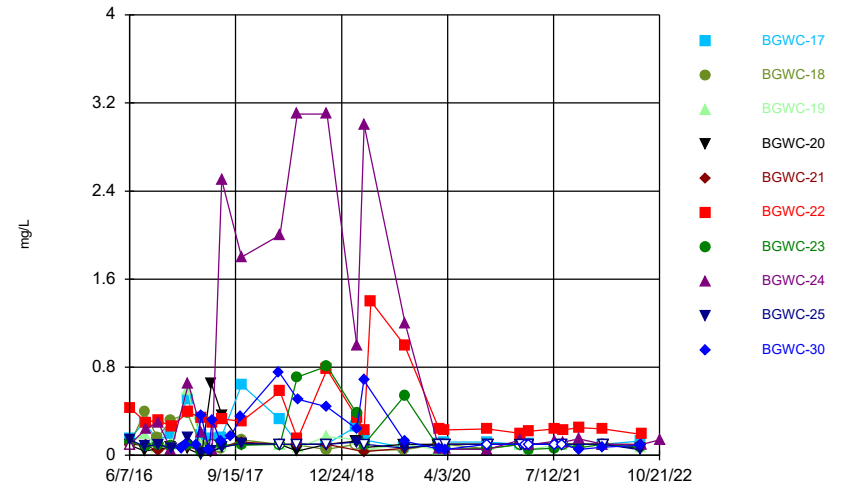
Constituent: Combined Radium 226 + 228 Analysis Run 11/18/2022 2:50 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



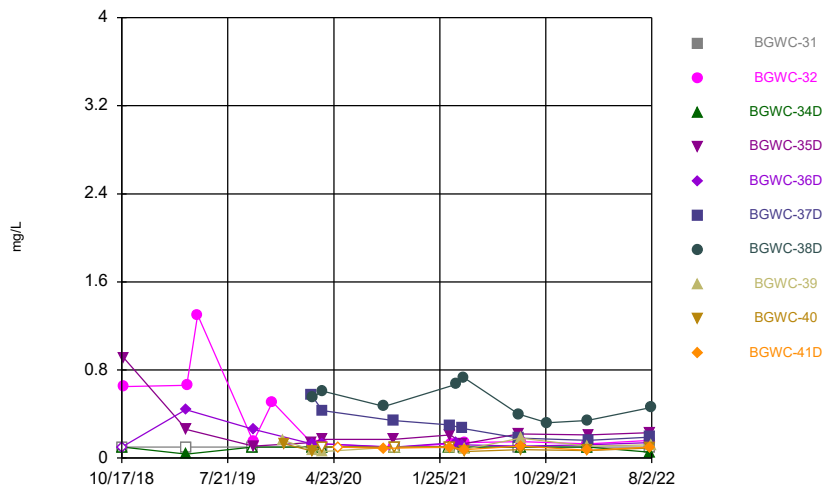
Constituent: Fluoride Analysis Run 11/18/2022 2:50 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



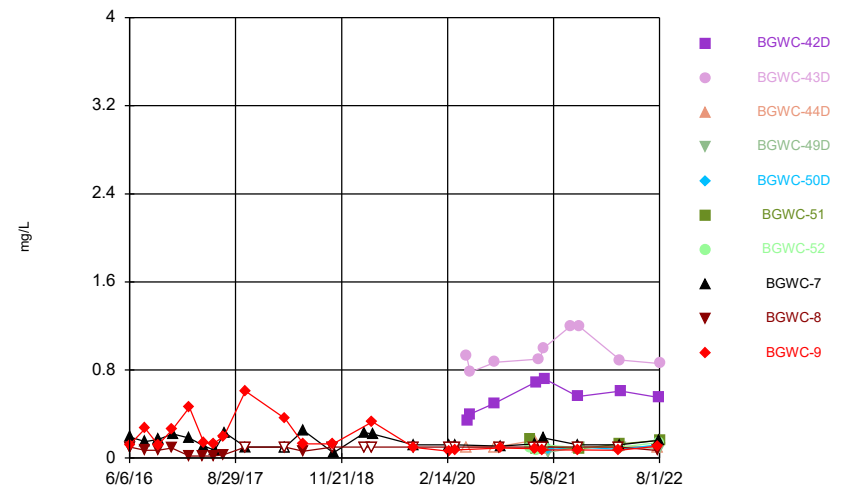
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



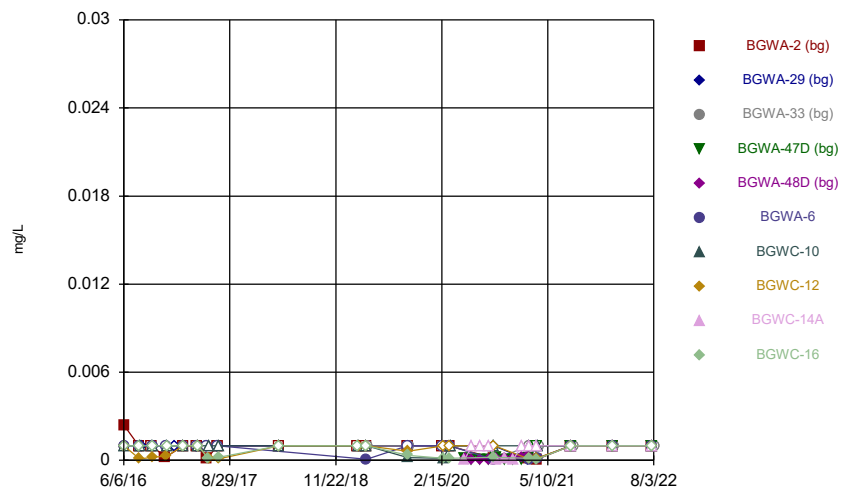
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



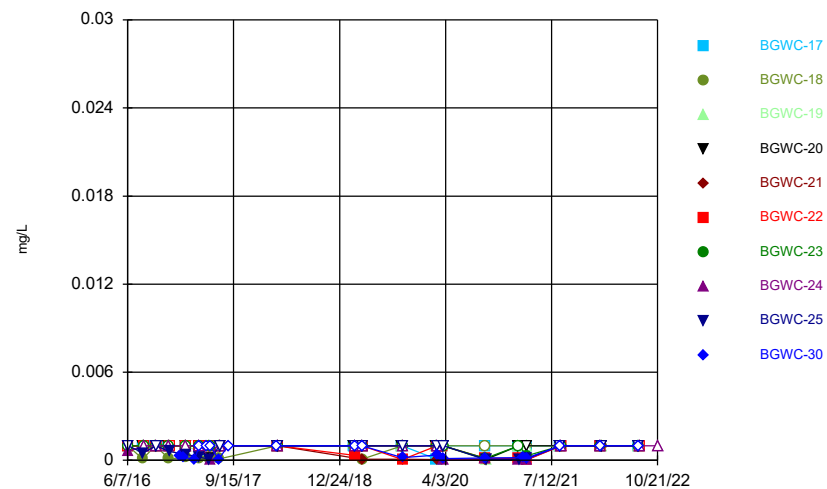
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



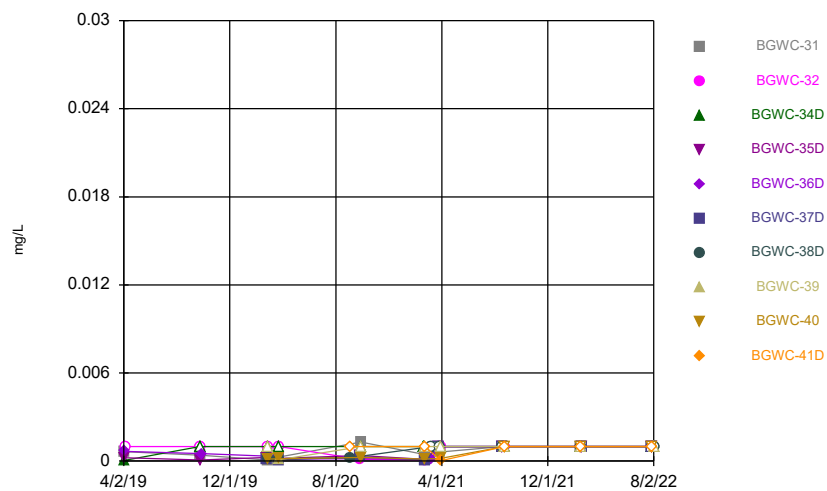
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



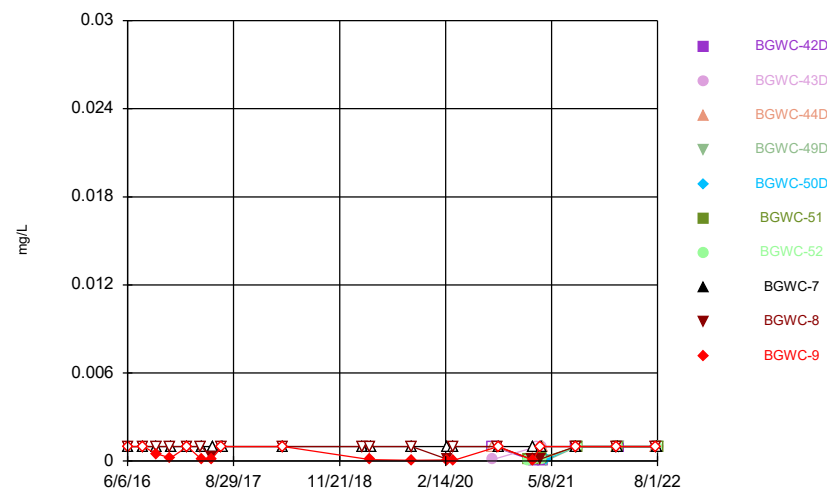
Constituent: Lead Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



Constituent: Lead Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

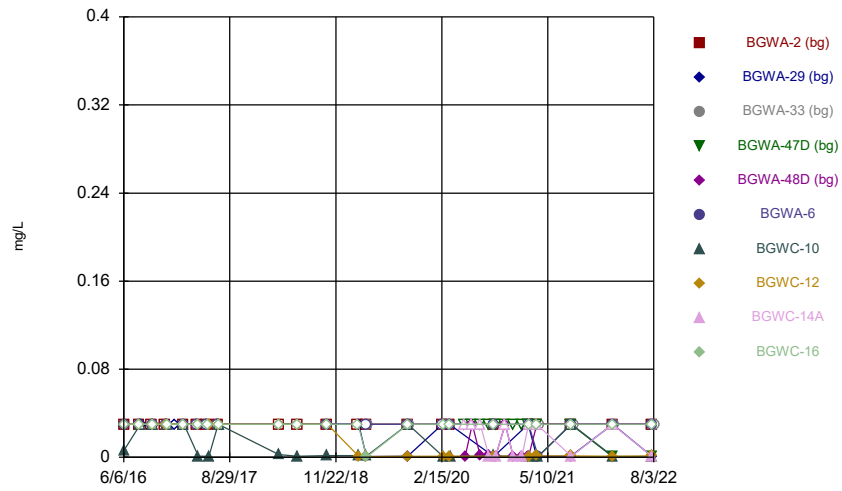
### Time Series



Constituent: Lead Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

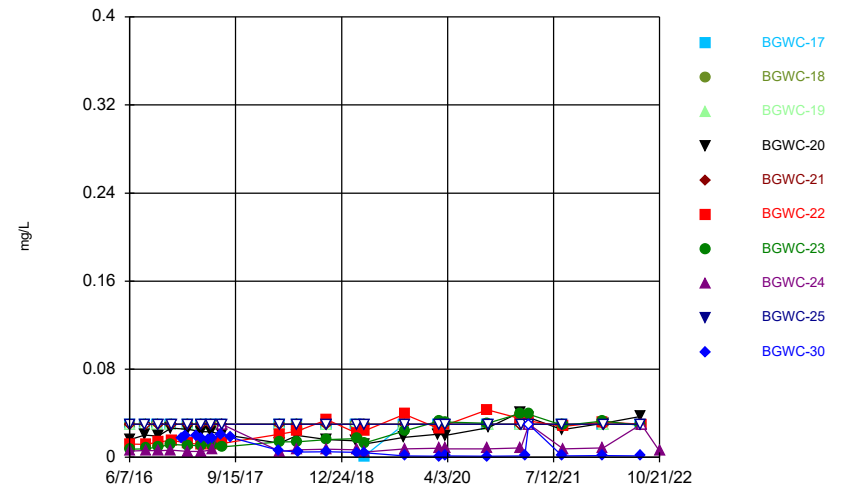


### Time Series



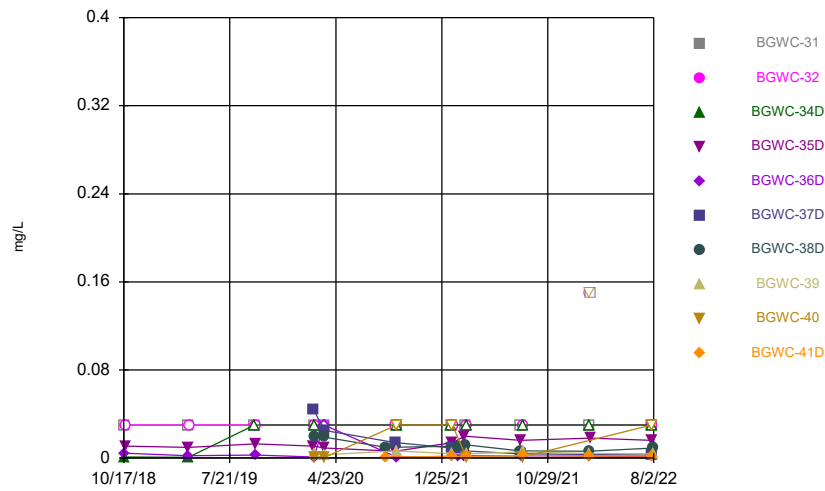
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



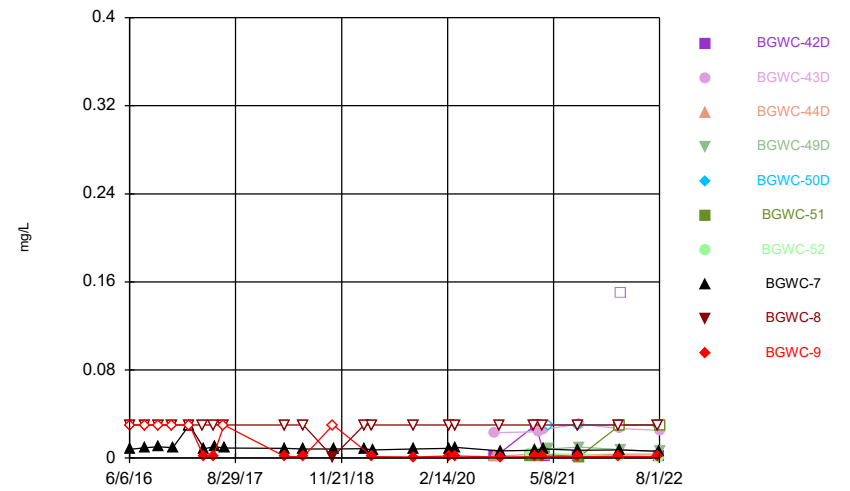
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### Time Series



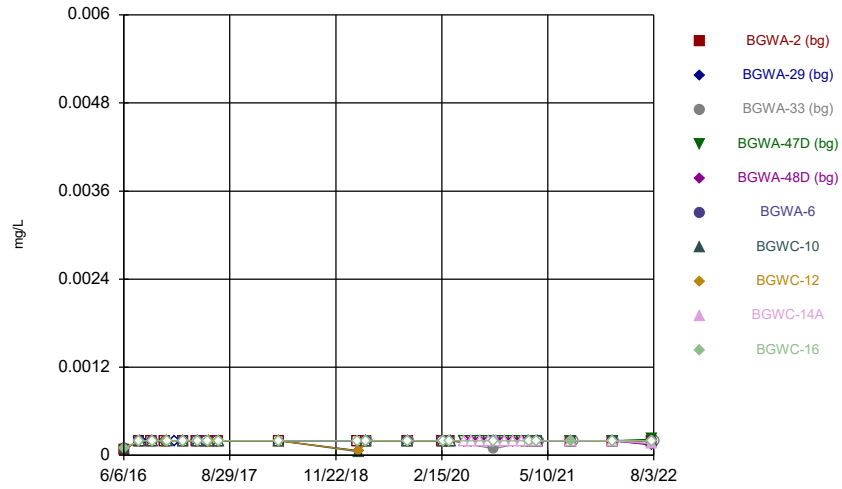
Constituent: Lithium Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



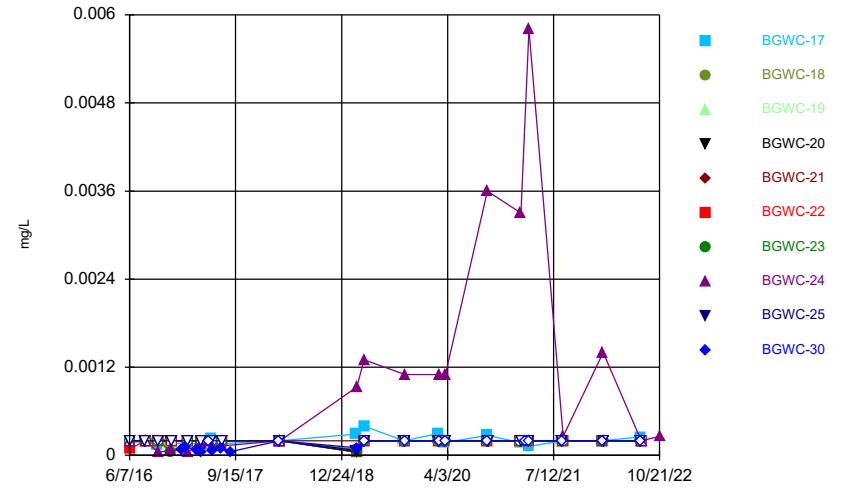
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



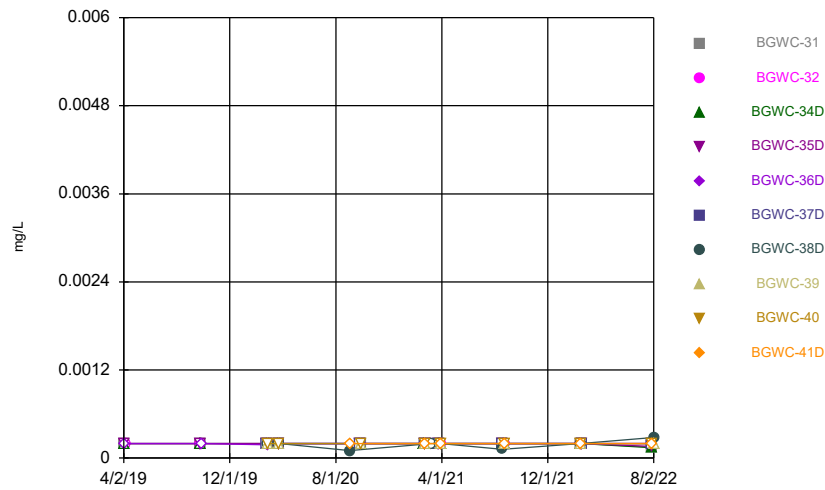
Constituent: Mercury Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



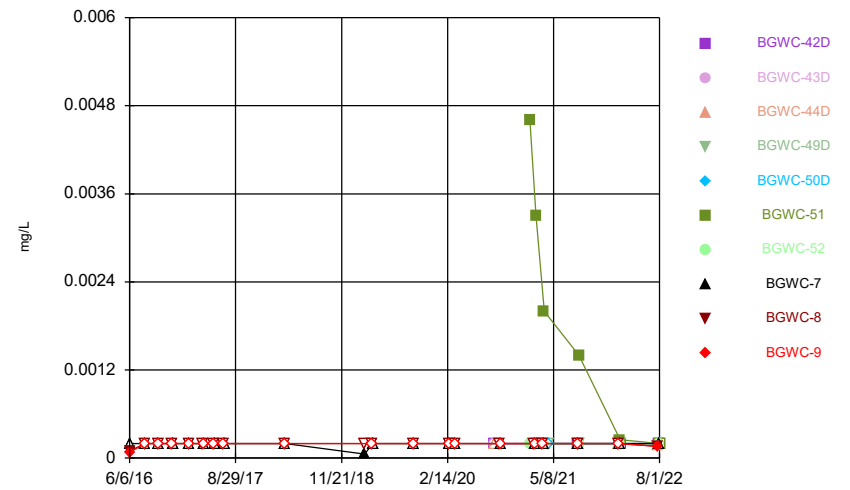
Constituent: Mercury Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



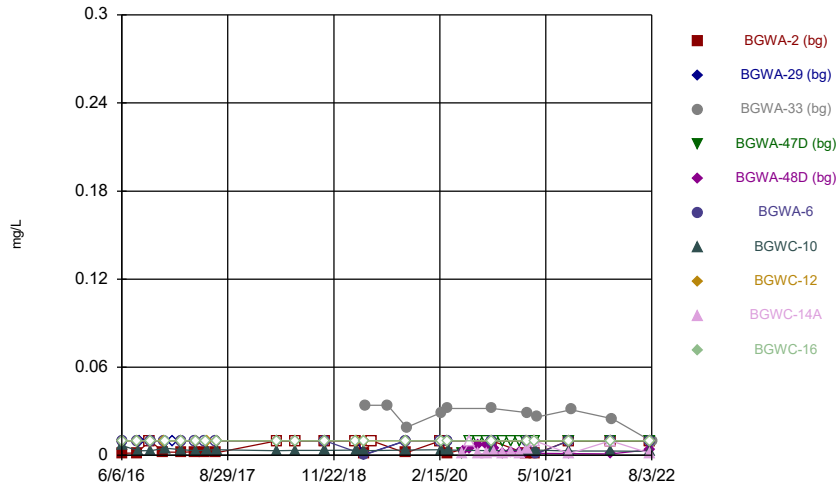
Constituent: Mercury Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



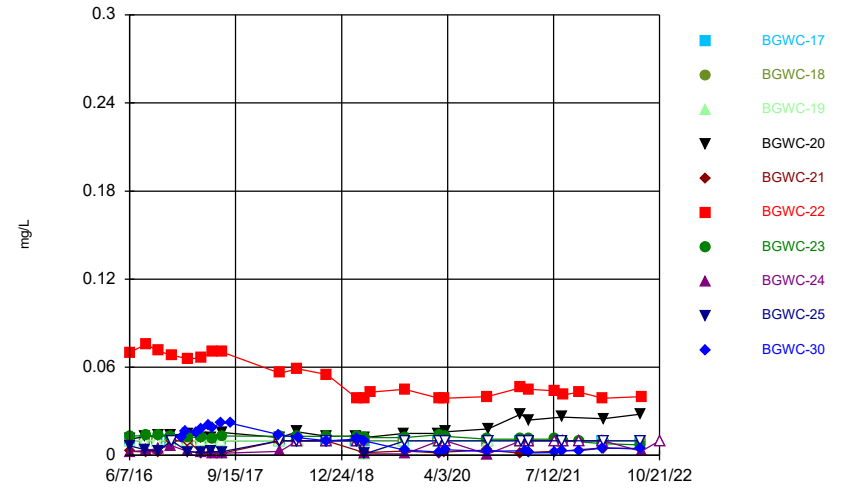
Constituent: Mercury Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



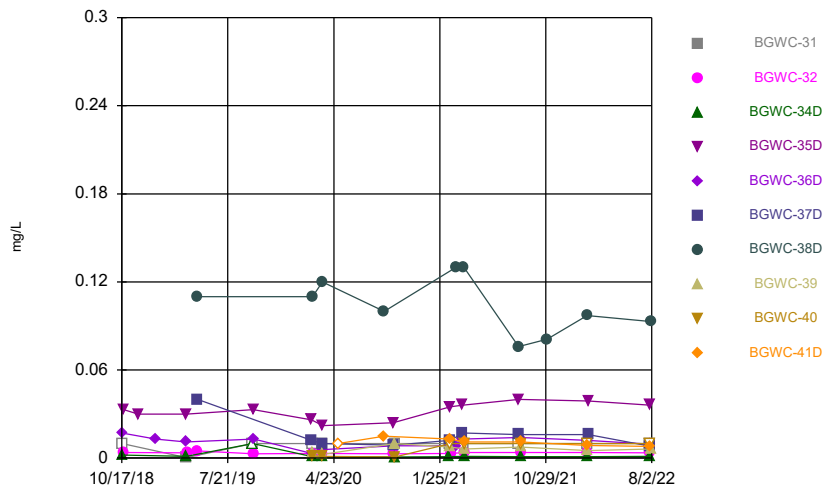
Constituent: Molybdenum Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



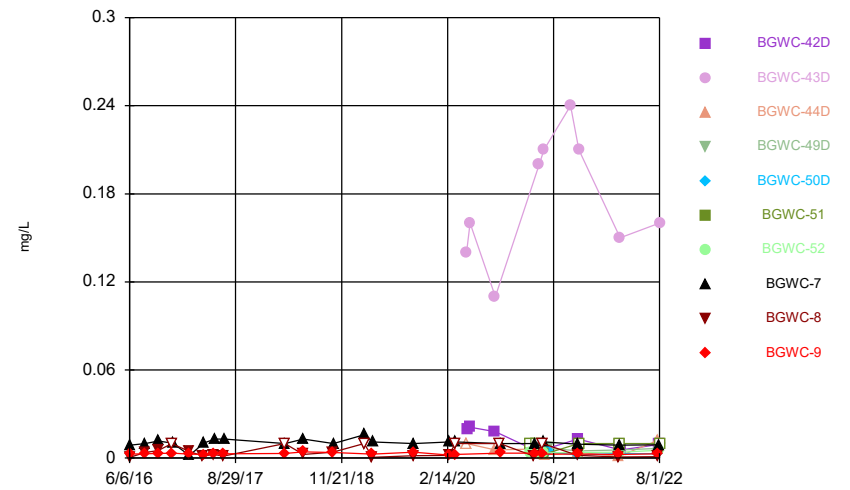
Constituent: Molybdenum Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



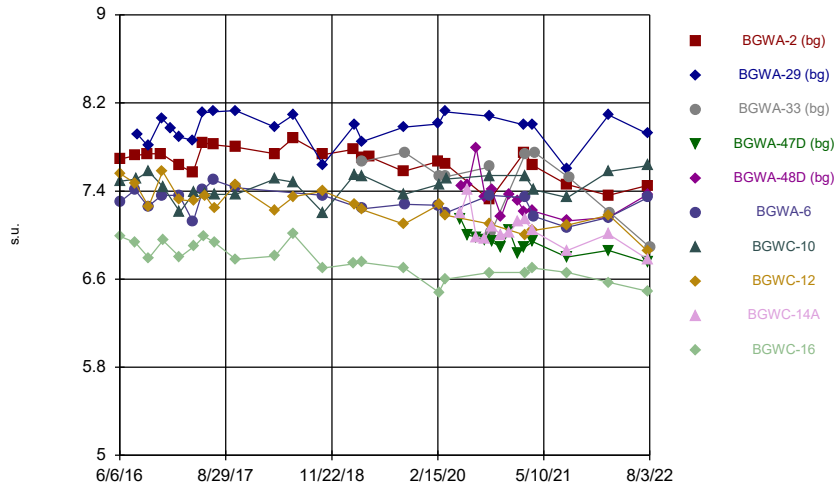
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



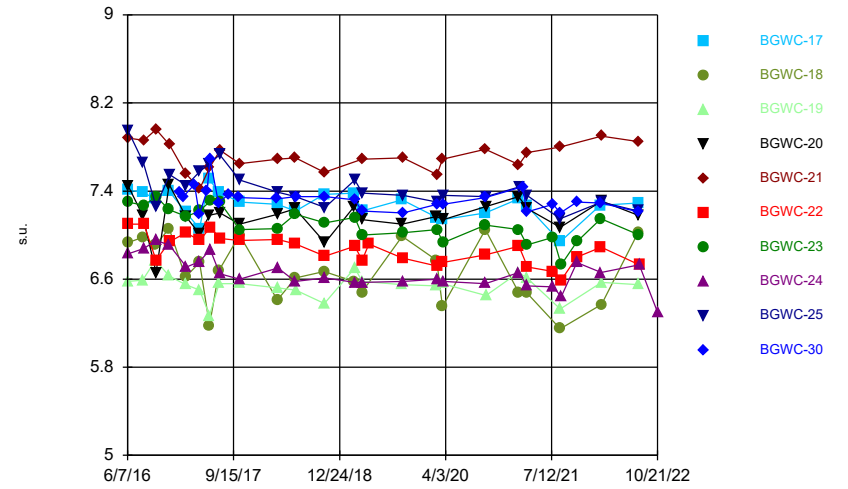
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



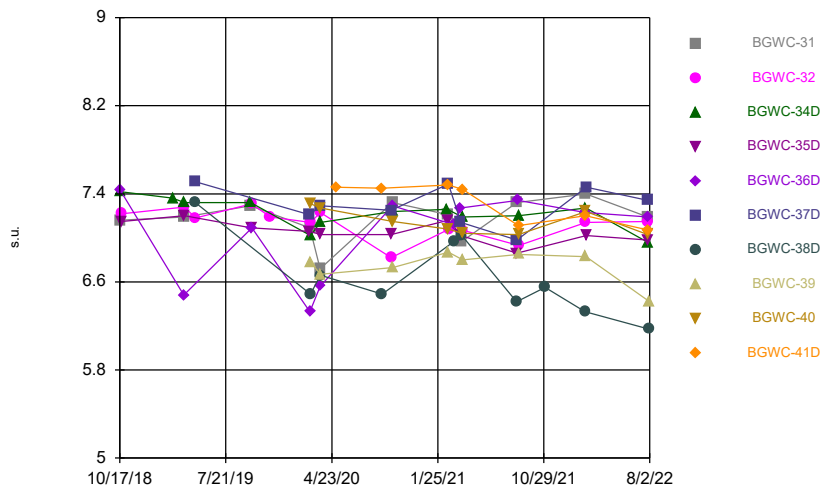
Constituent: pH Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



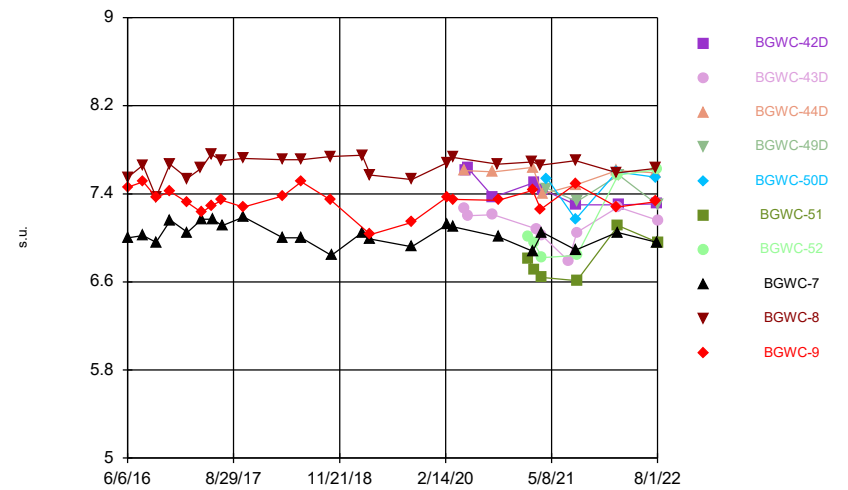
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



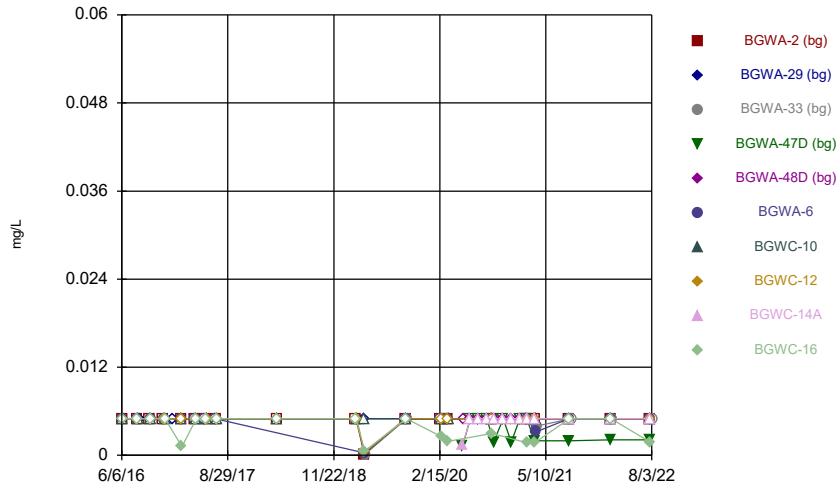
Constituent: pH Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



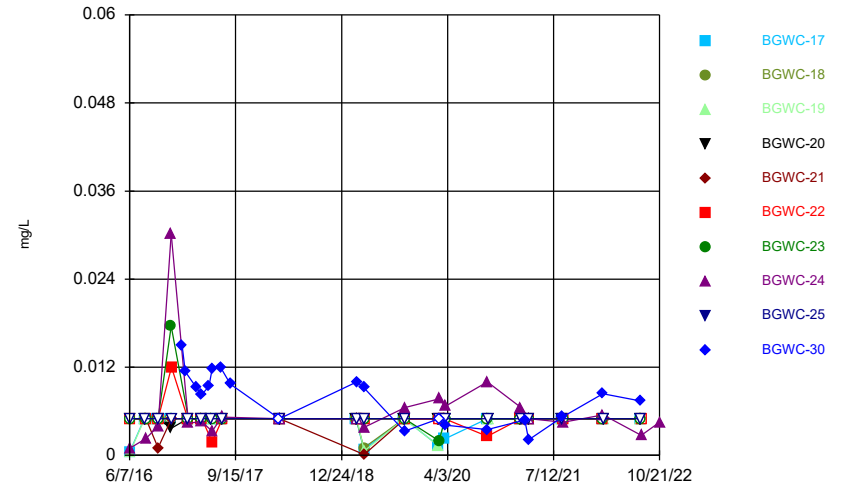
Constituent: pH Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



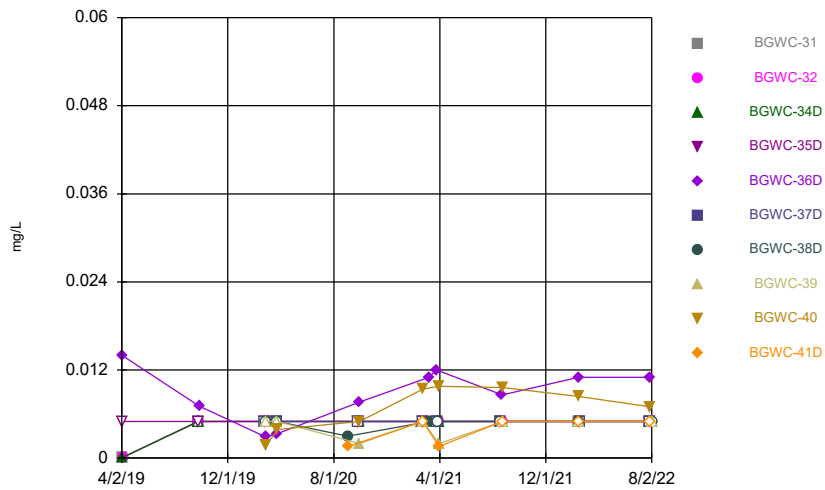
Constituent: Selenium Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



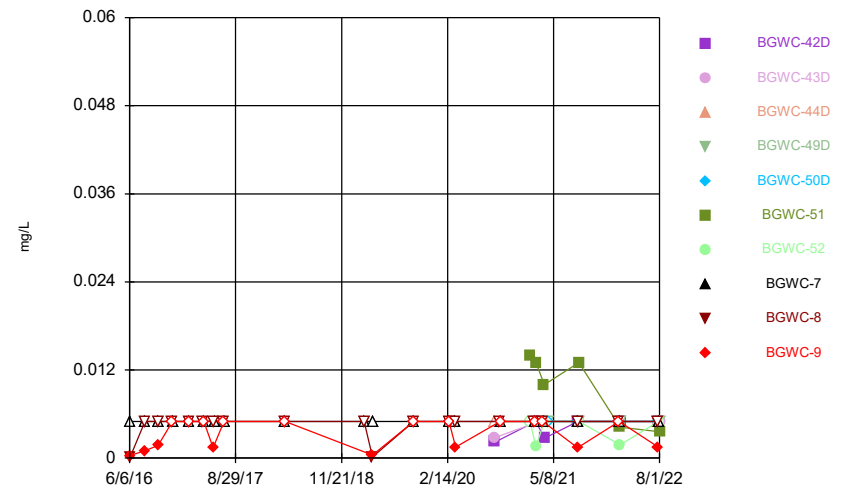
Constituent: Selenium Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



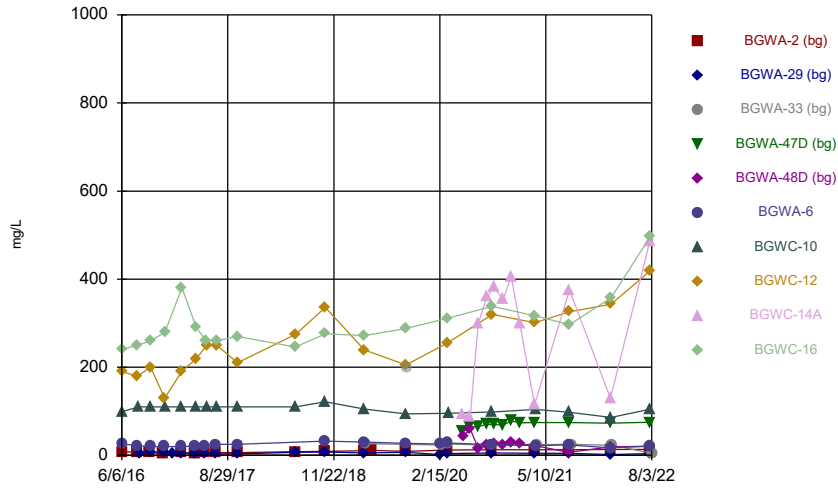
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



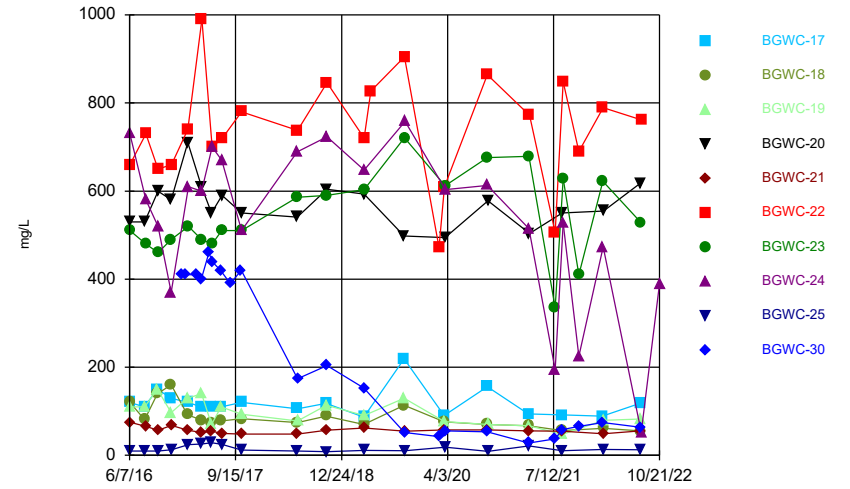
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



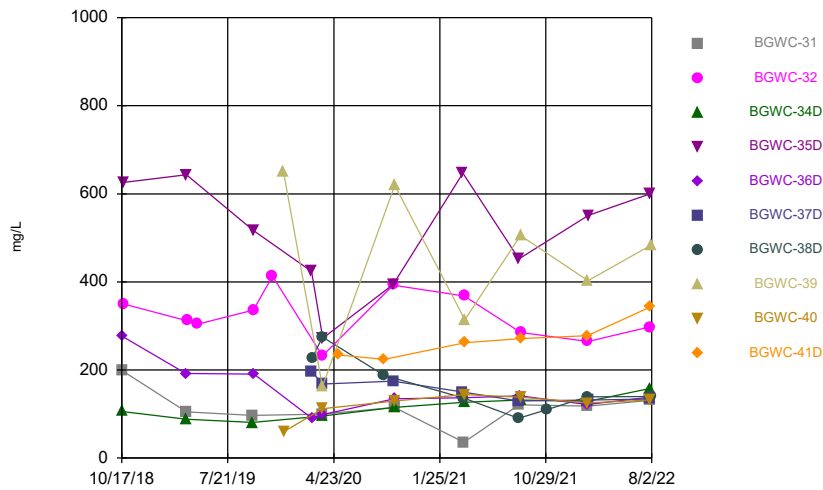
Constituent: Sulfate Analysis Run 11/18/2022 2:51 AM View: Constituents View  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



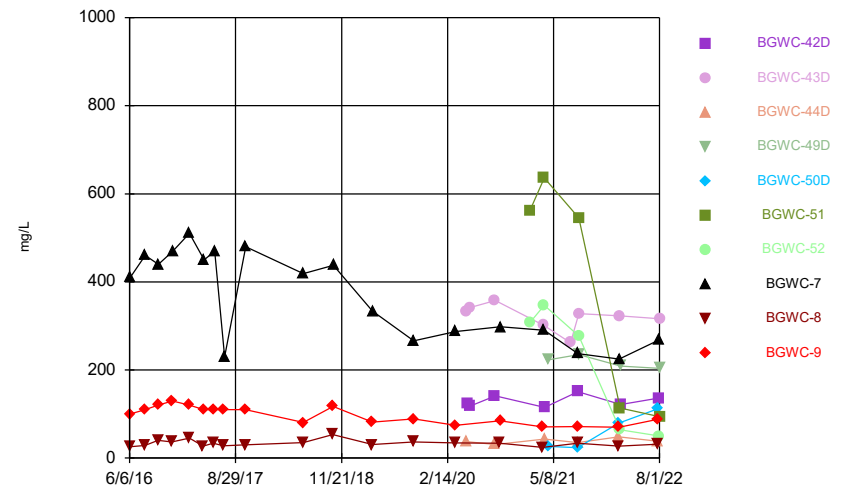
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



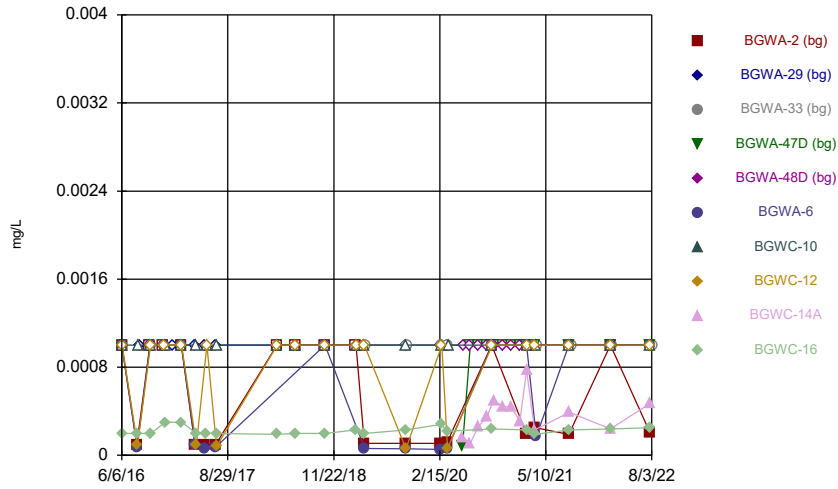
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



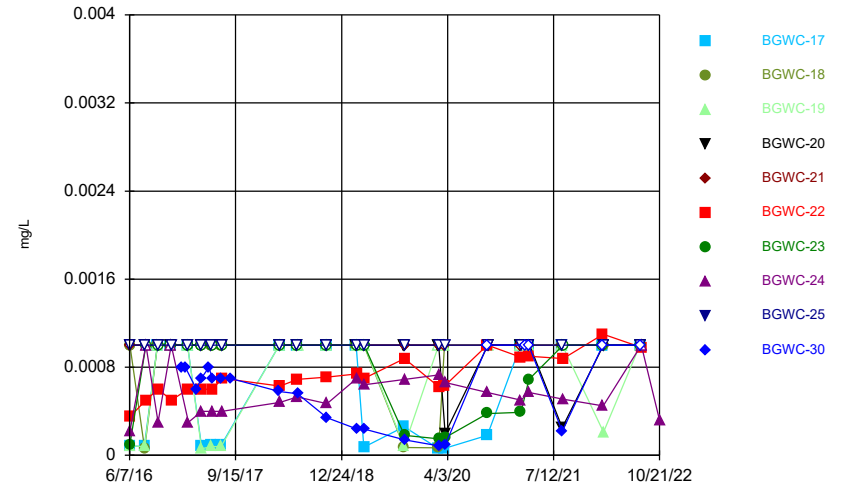
Constituent: Sulfate Analysis Run 11/18/2022 2:51 AM View: Constituents View  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



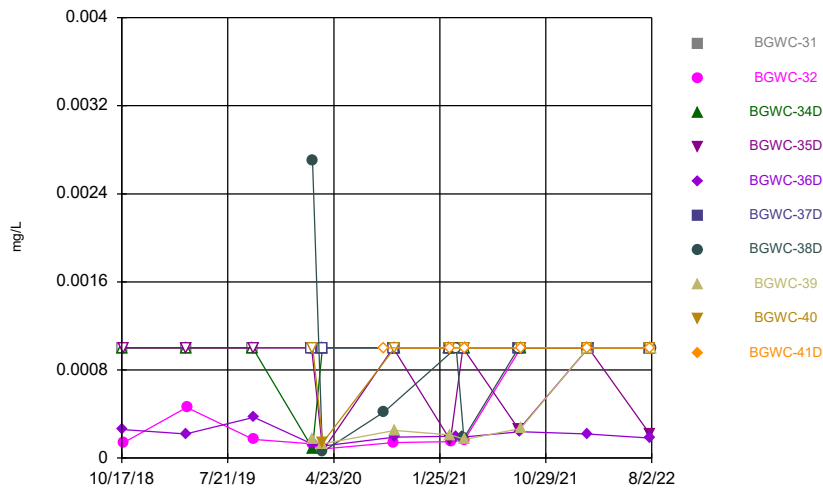
Constituent: Thallium Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



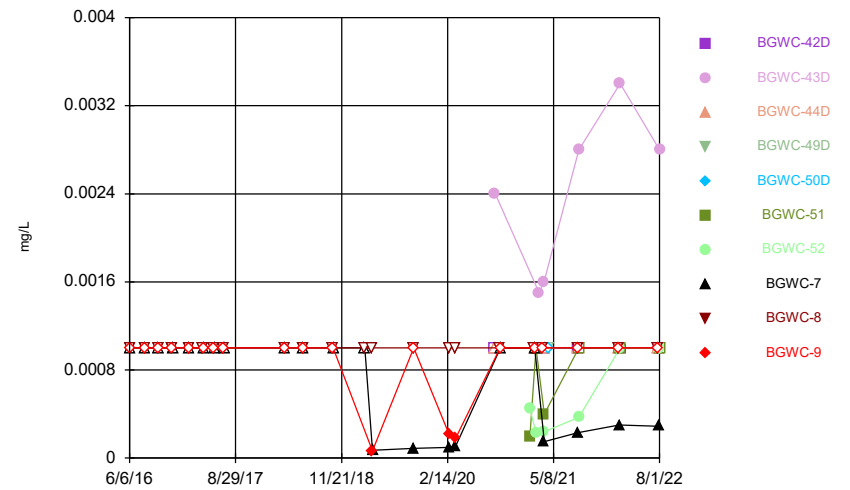
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



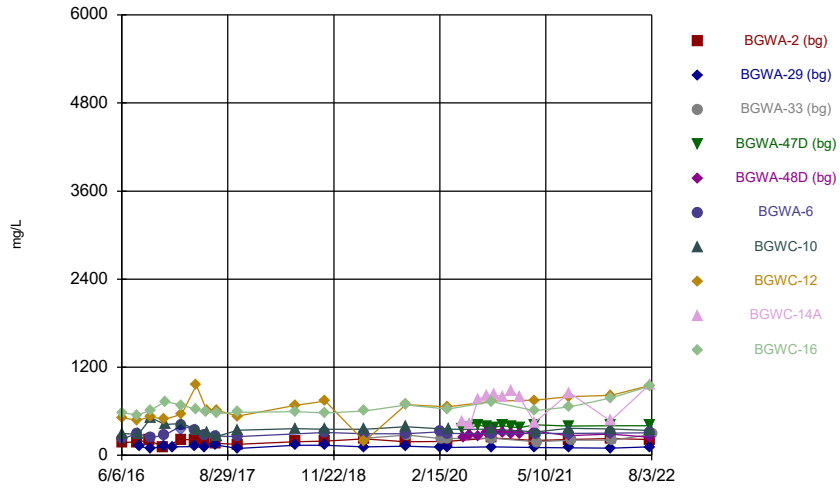
Constituent: Thallium Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Time Series



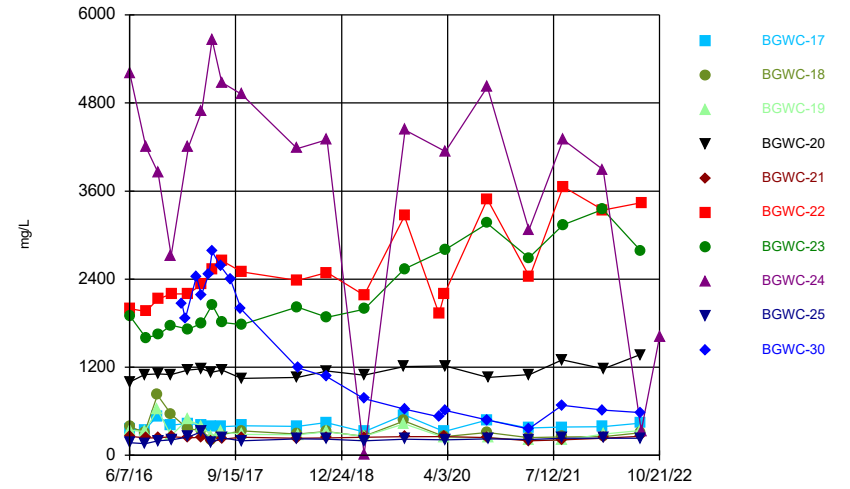
Constituent: Thallium Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



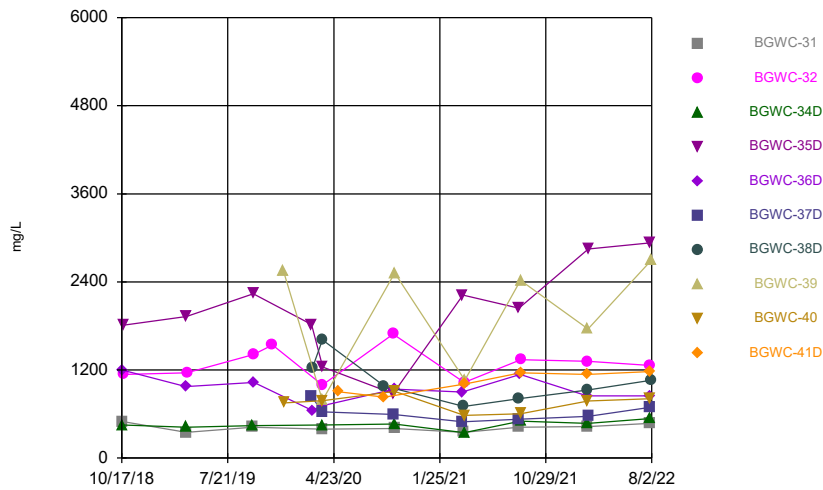
Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Time Series



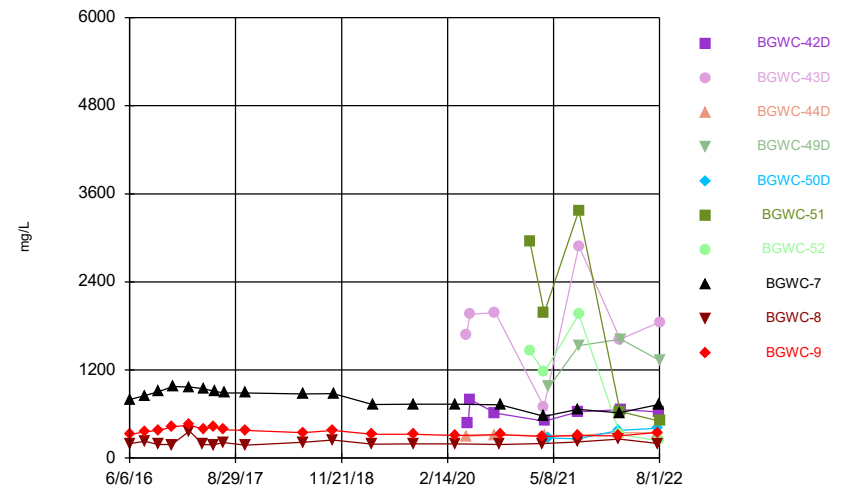
Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:51 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

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

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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

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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

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	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

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	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

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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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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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

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	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

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	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

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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

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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

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	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

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	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-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

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	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

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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

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	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

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	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

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	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

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	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

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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					23.1	30.5	
6/14/2018									
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

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	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

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	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

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	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

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	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

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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

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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

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	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

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	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

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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

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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

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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

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	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

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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

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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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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	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

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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

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	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

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	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

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	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

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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

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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

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	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

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	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

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	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

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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

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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

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	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

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	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

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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

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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

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	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

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	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

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	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

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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

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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

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	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

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	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

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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	

# 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

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	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

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	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

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	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

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	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

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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

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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

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	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

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	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  
9/25/2020  
9/28/2020  
9/29/2020  
2/19/2021  
2/22/2021  
2/23/2021  
3/8/2021  
3/9/2021  
3/25/2021  
3/26/2021  
3/29/2021  
3/30/2021  
3/31/2021  
8/19/2021  
8/20/2021  
8/23/2021  
8/24/2021  
8/25/2021  
2/14/2022  
2/15/2022  
2/16/2022  
2/17/2022  
7/28/2022  
7/29/2022  
8/2/2022

<0.001

<0.001

<0.001

<0.001

<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-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

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	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

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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

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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

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	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

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	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

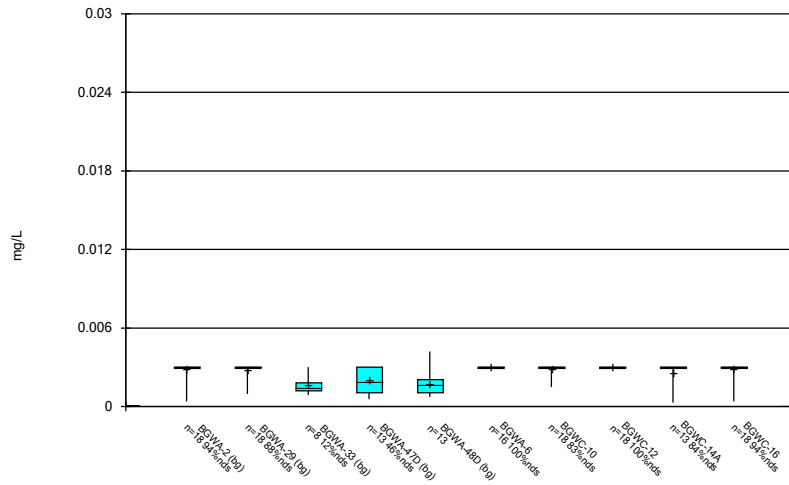
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BGWC-9

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	

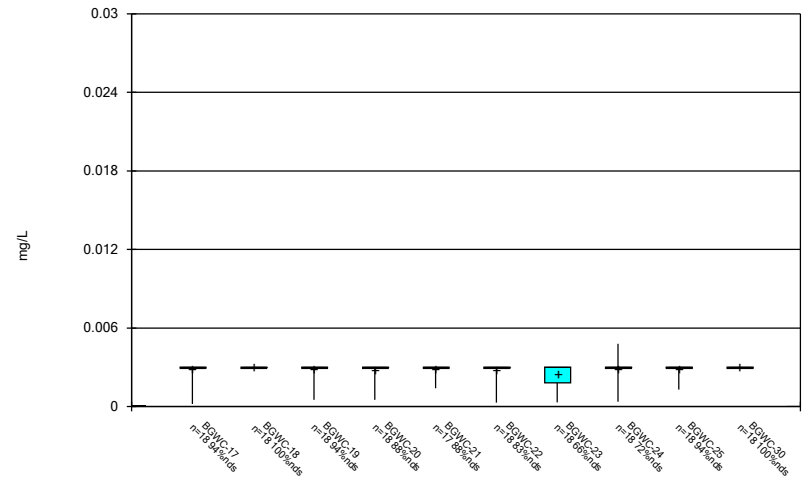
FIGURE B.

Box & Whiskers Plot



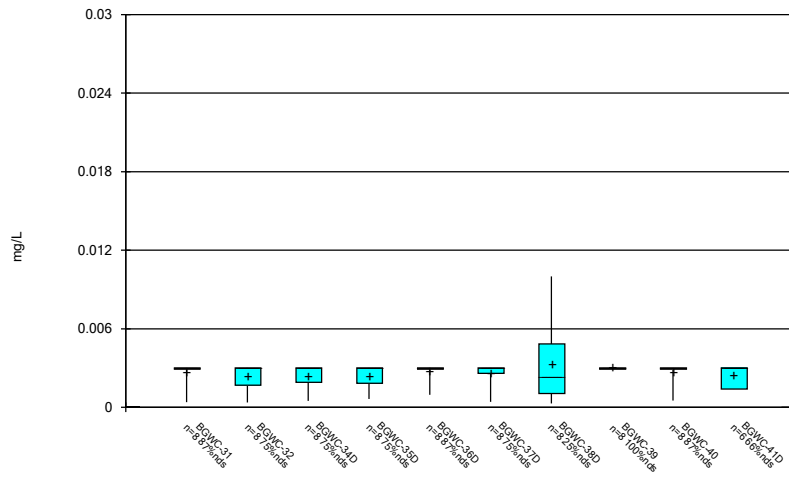
Constituent: Antimony Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



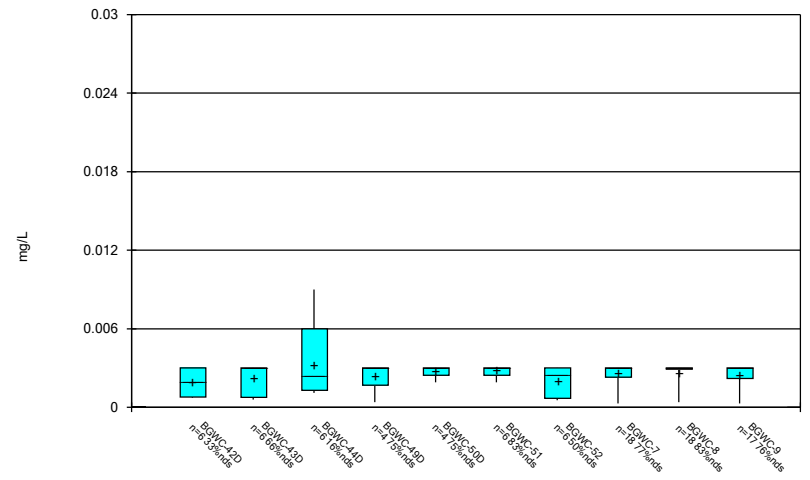
Constituent: Antimony Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

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

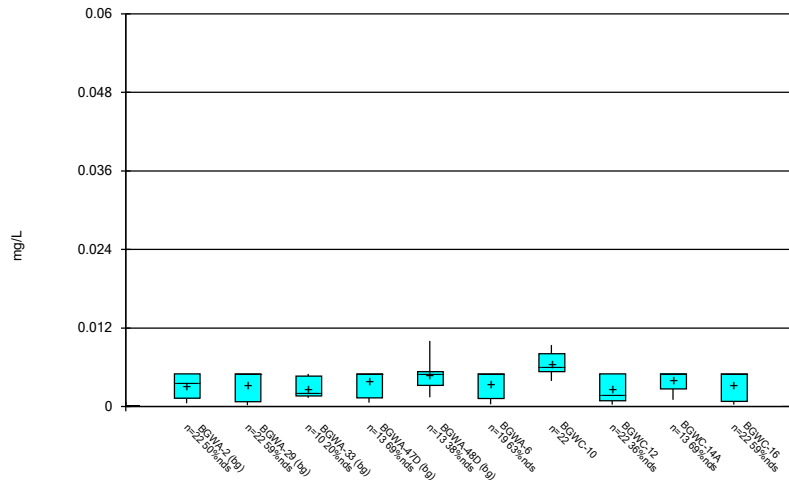
Box & Whiskers Plot



Constituent: Antimony Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

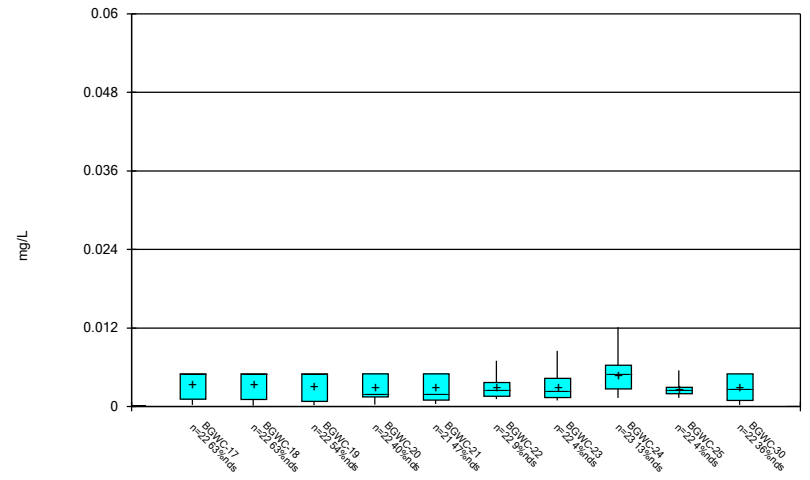


Box & Whiskers Plot



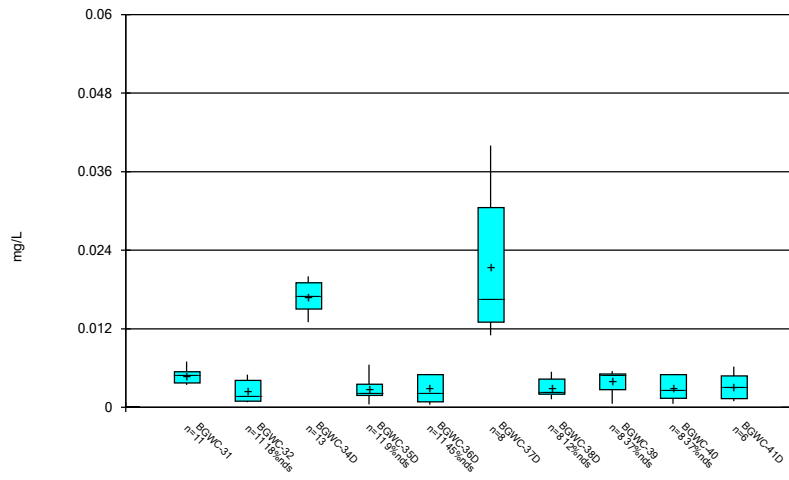
Constituent: Arsenic Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



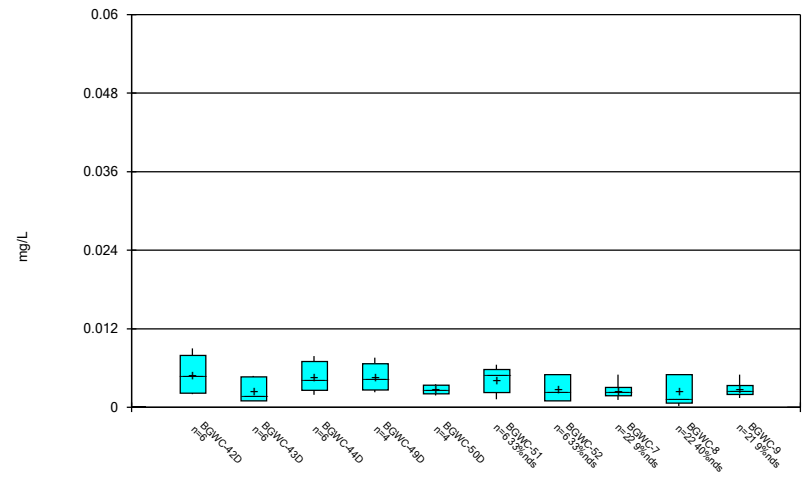
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



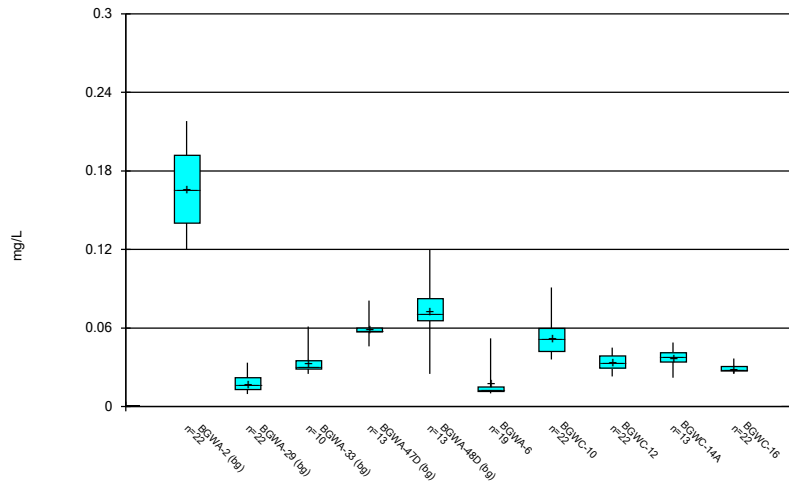
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



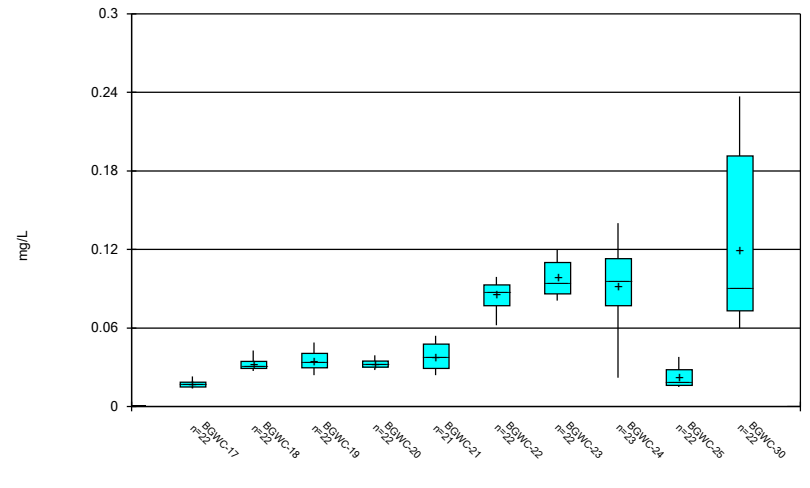
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



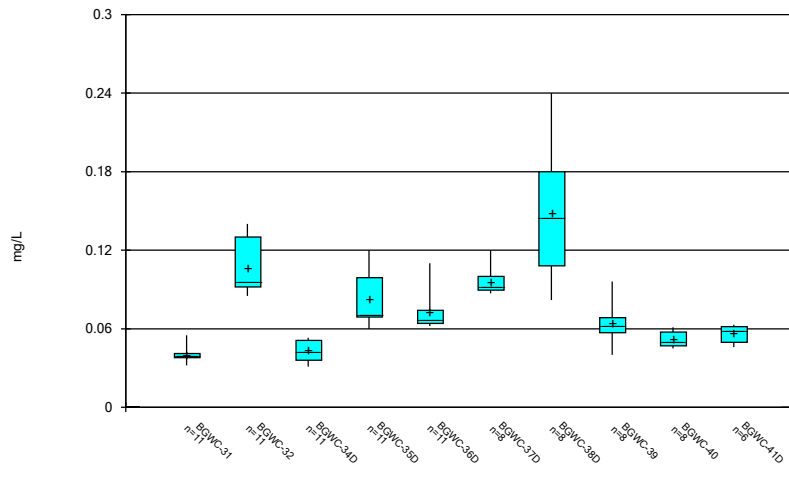
Constituent: Barium Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



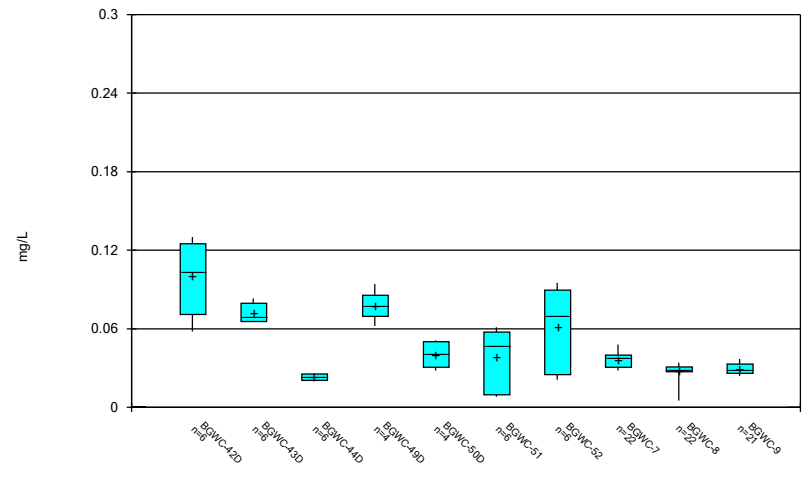
Constituent: Barium Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

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

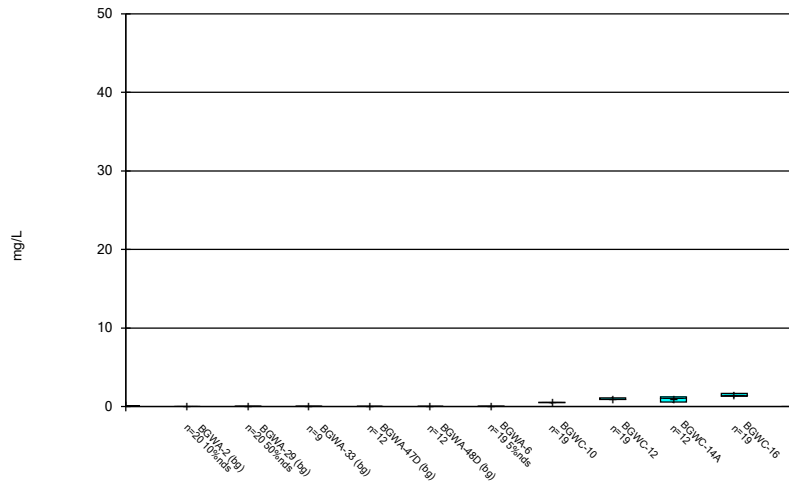
Box & Whiskers Plot



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Plant Bowen Client: Southern Company Data: Bowen AP-1

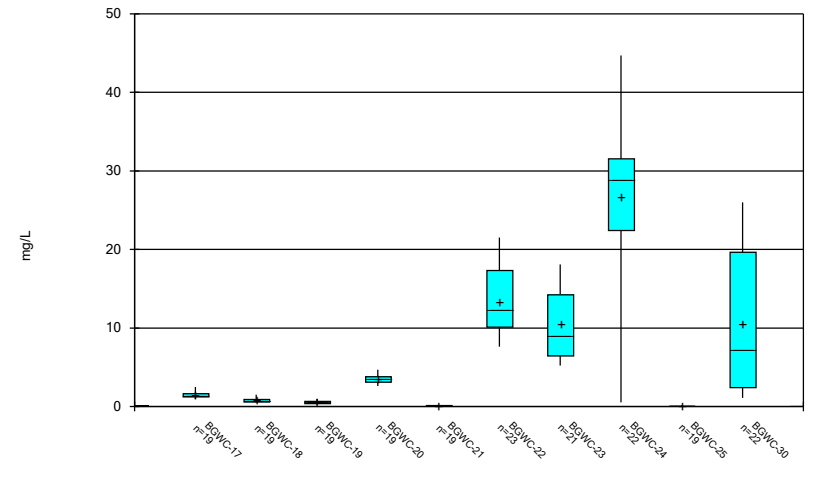


Box & Whiskers Plot



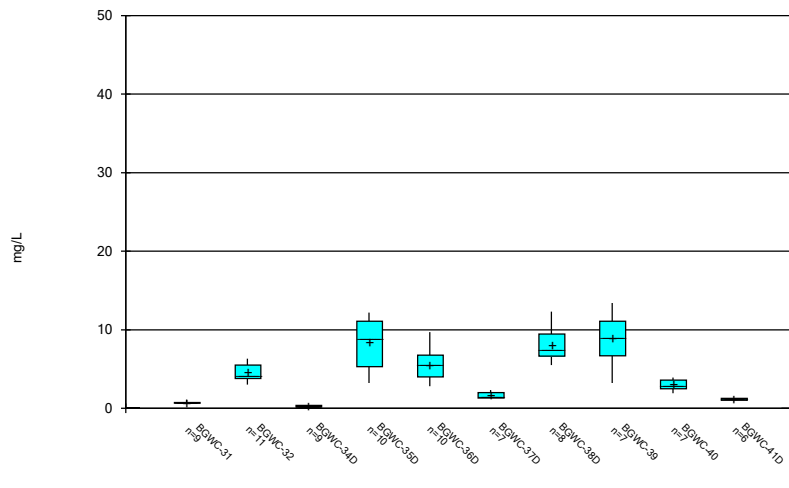
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



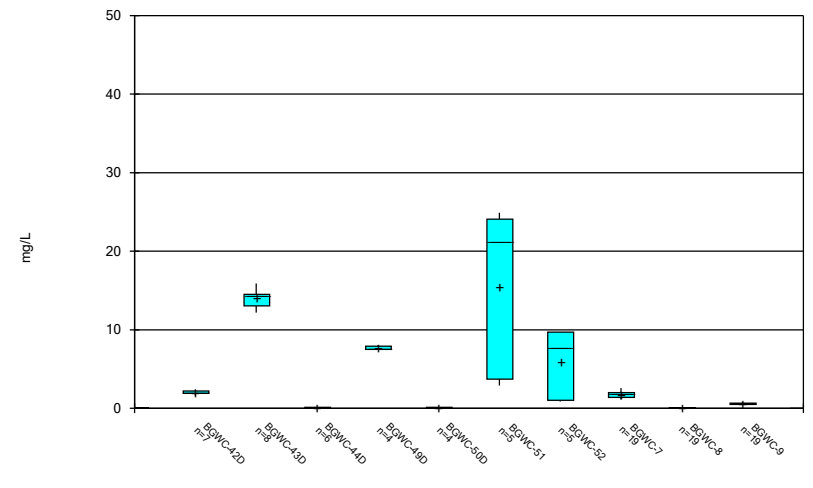
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



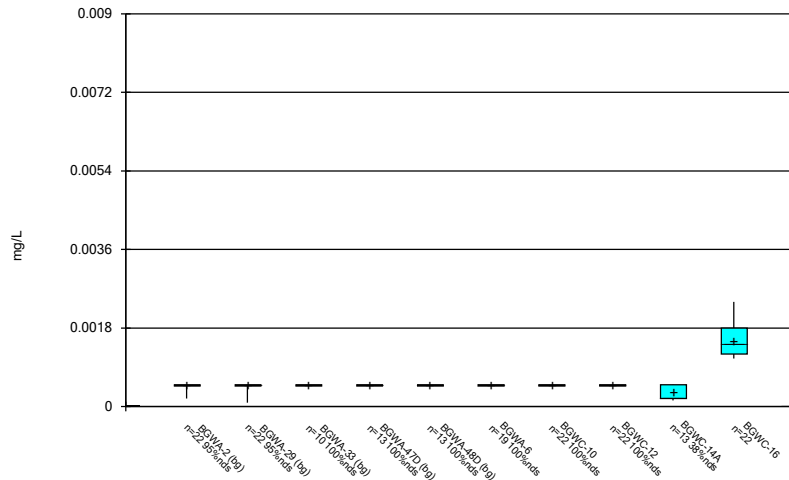
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



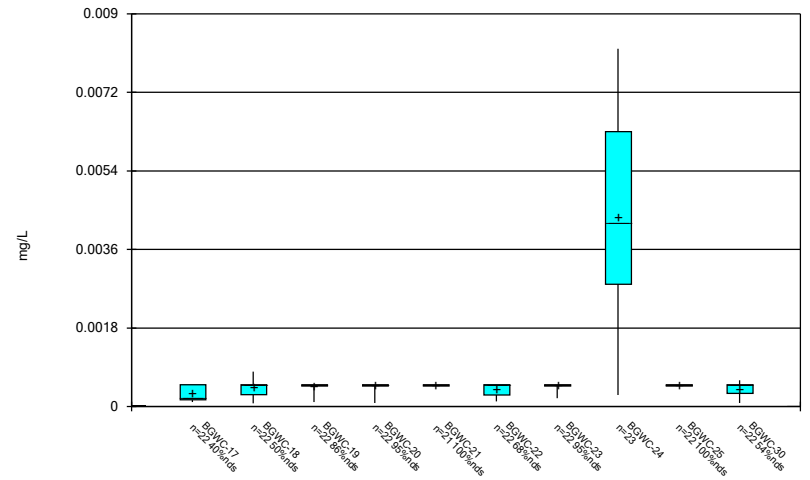
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



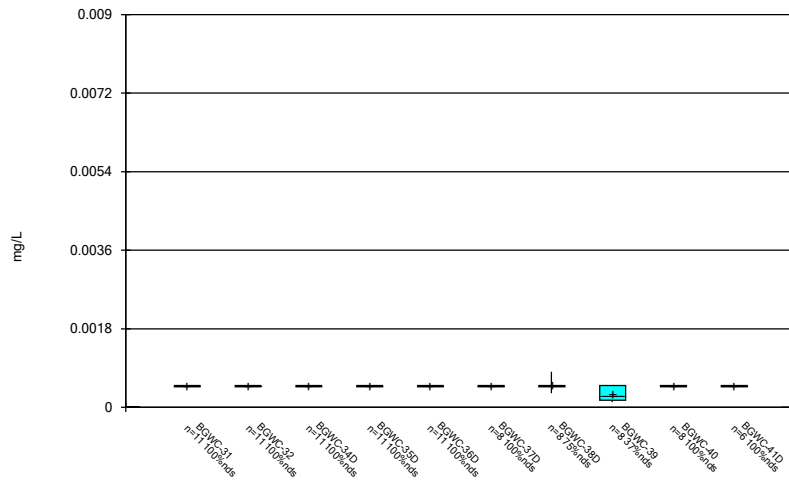
Constituent: Cadmium Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



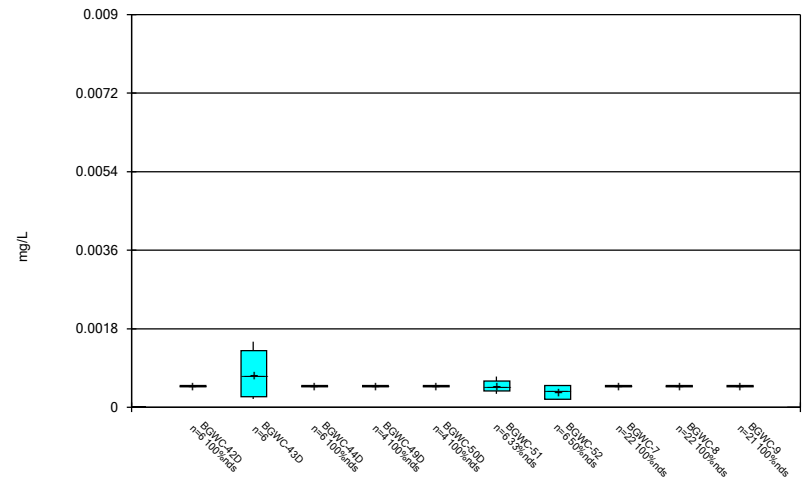
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Box & Whiskers Plot



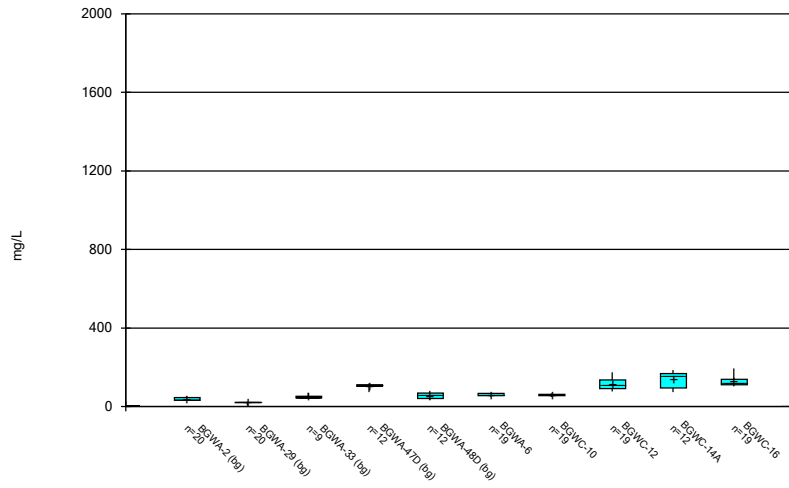
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



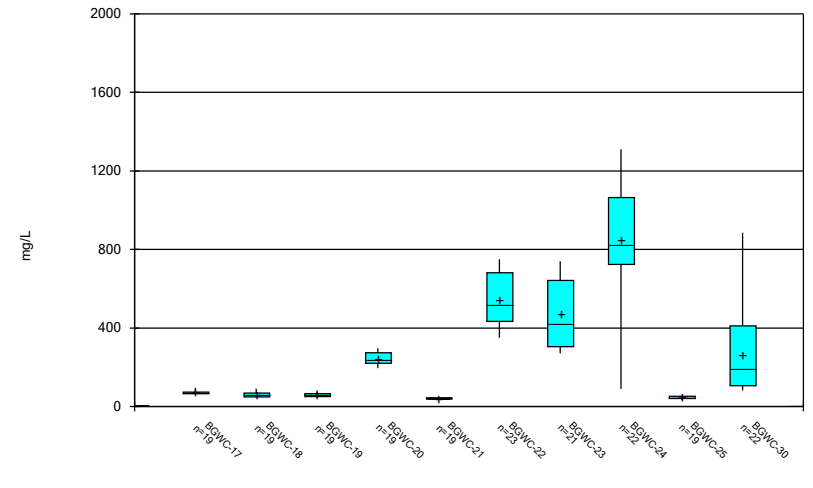
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Box & Whiskers Plot



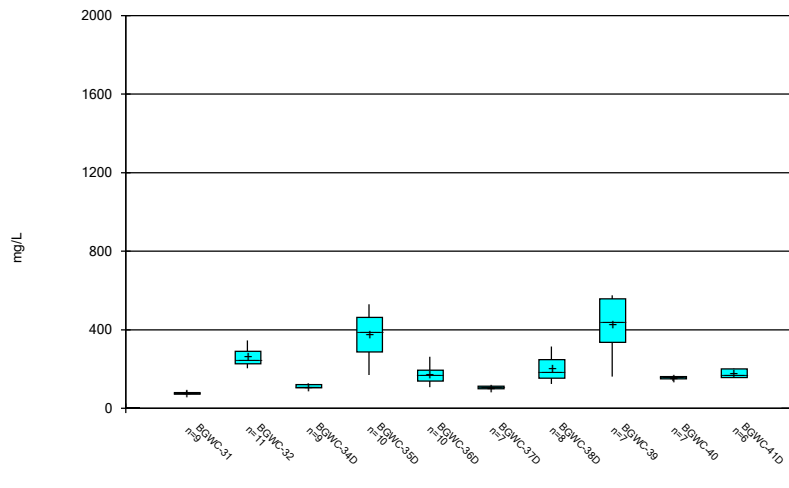
Constituent: Calcium Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



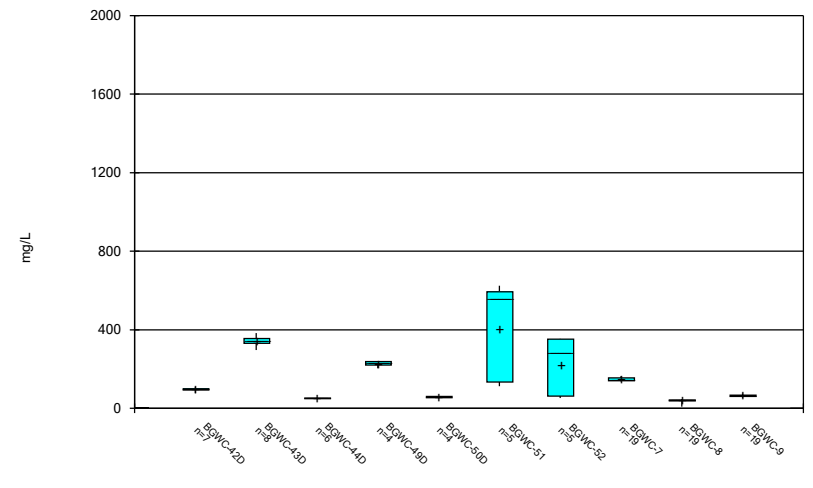
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



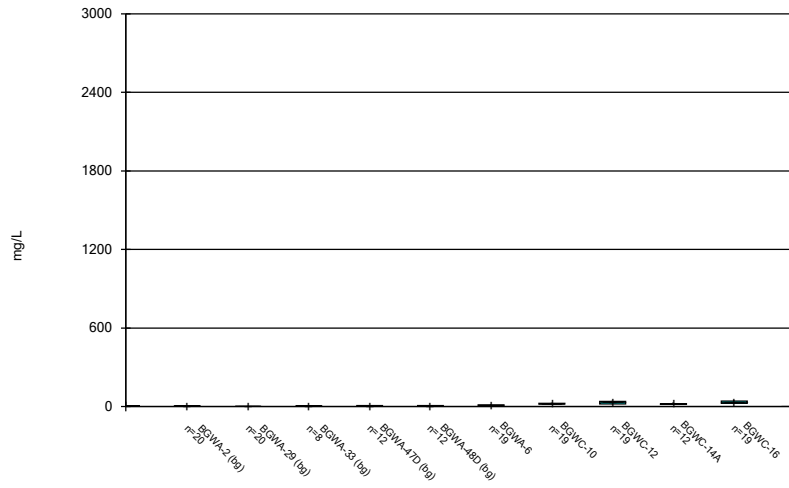
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Box & Whiskers Plot



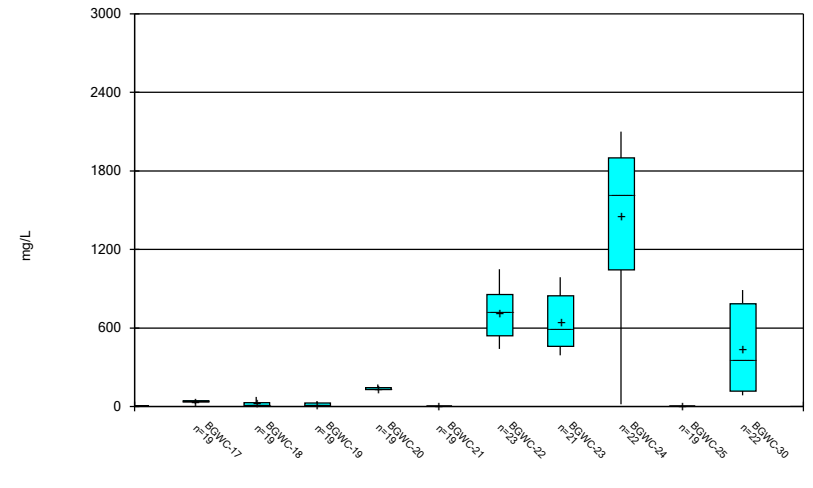
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Box & Whiskers Plot



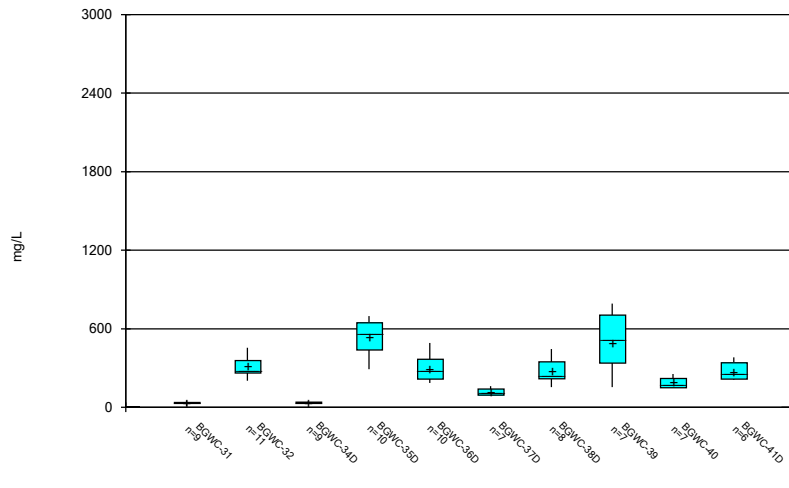
Constituent: Chloride Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



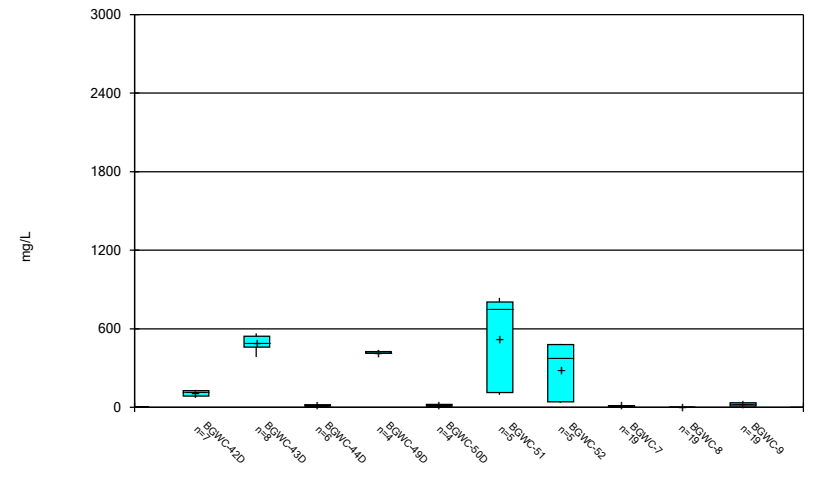
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Box & Whiskers Plot



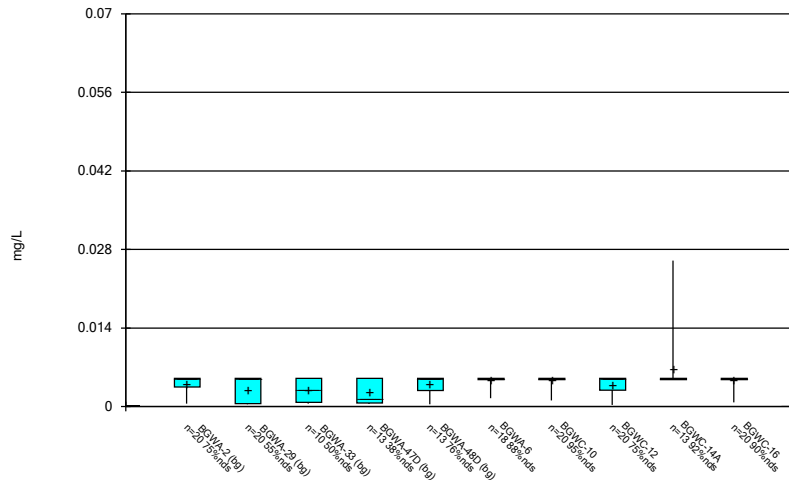
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Box & Whiskers Plot



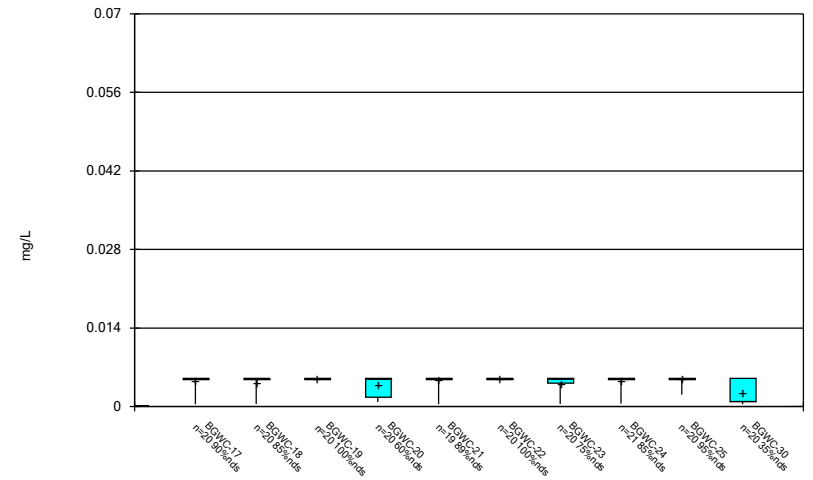
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



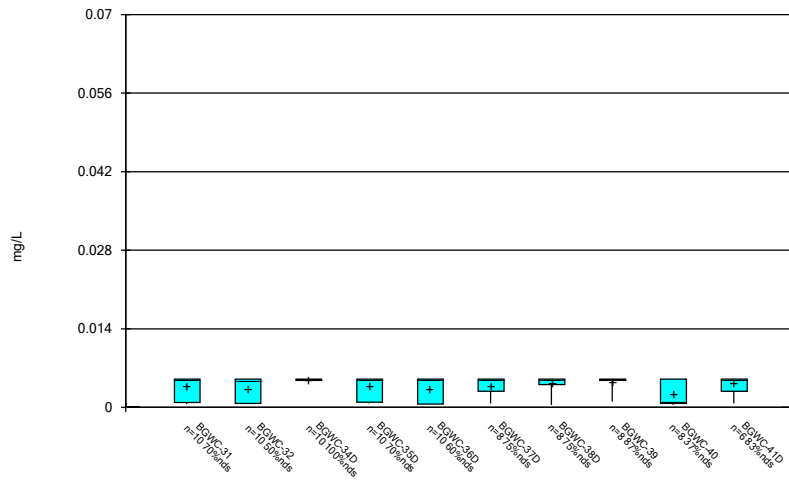
Constituent: Chromium Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



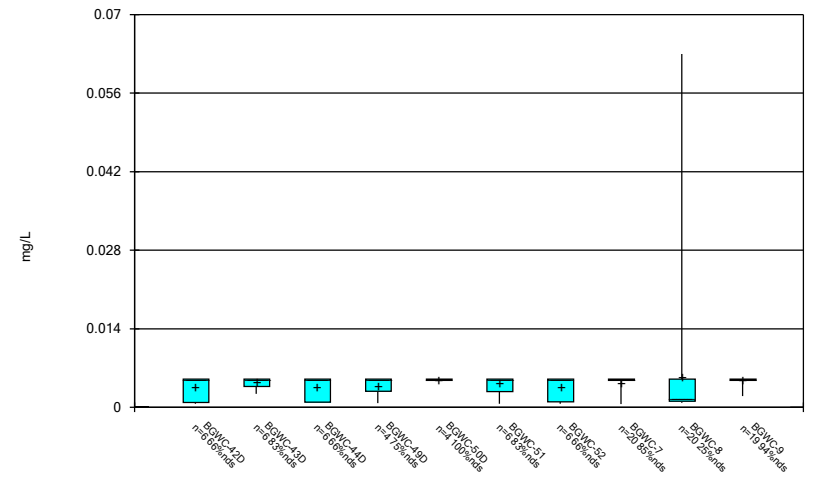
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



Constituent: Chromium Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

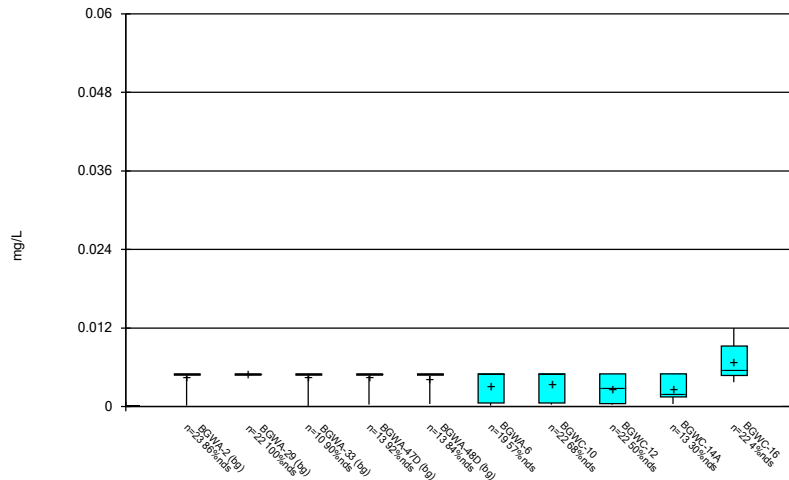
Box & Whiskers Plot



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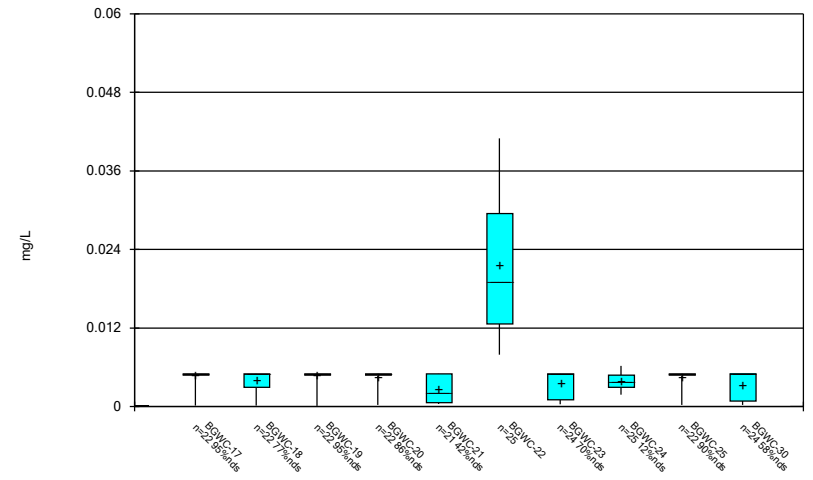


Box & Whiskers Plot



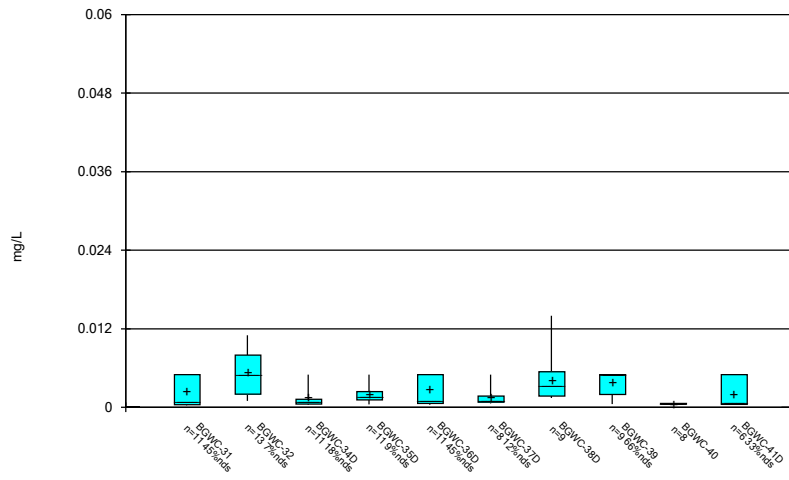
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



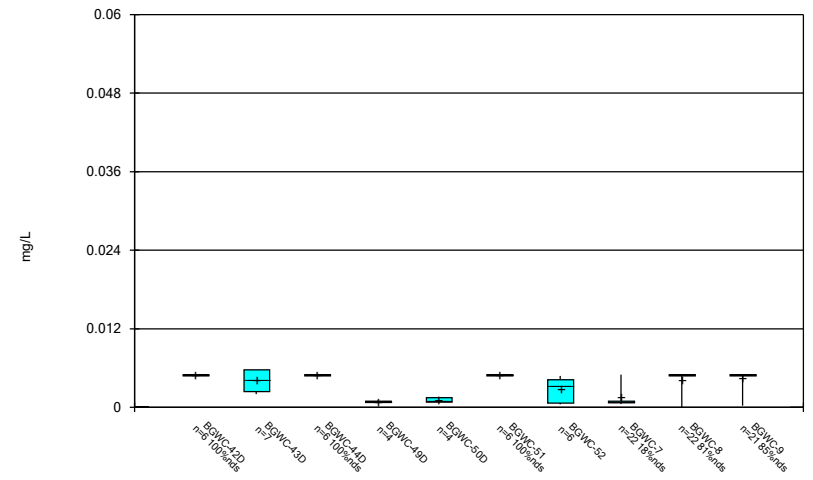
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



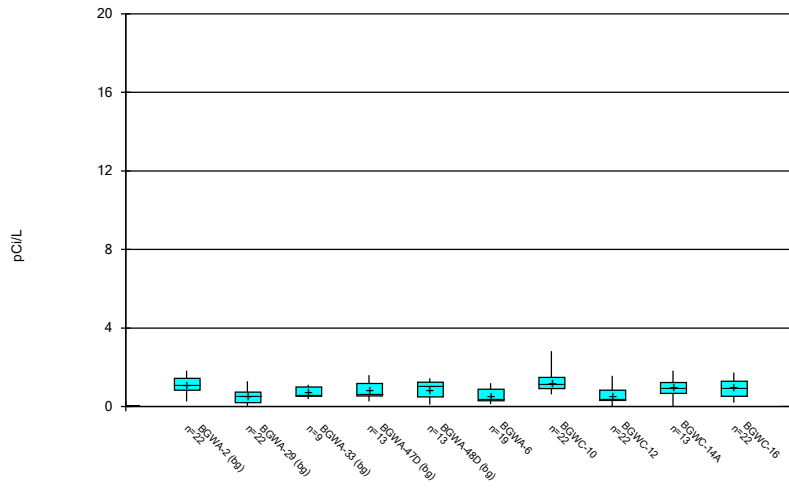
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



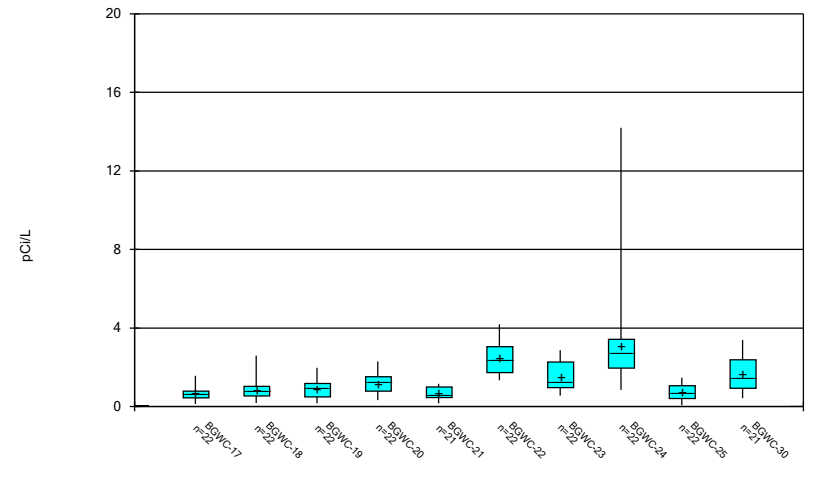
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



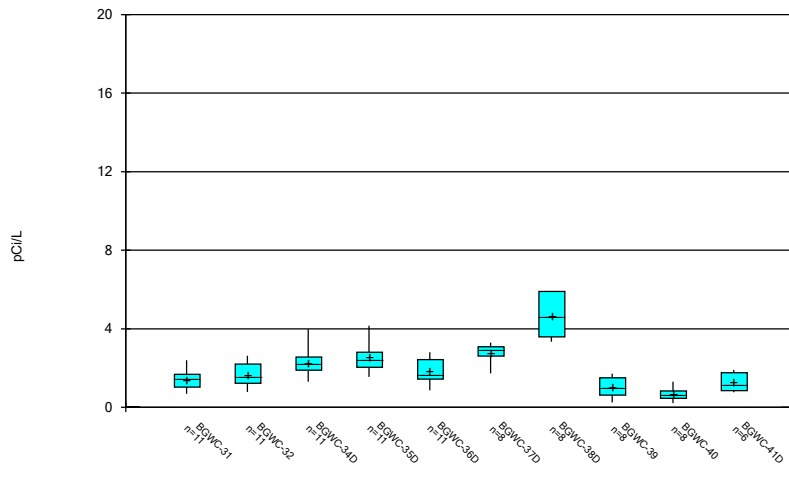
Constituent: Combined Radium 226 + 228 Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



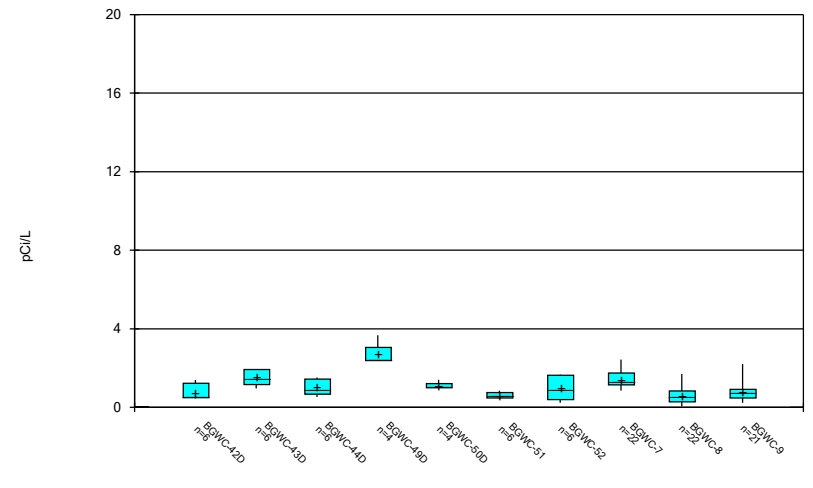
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



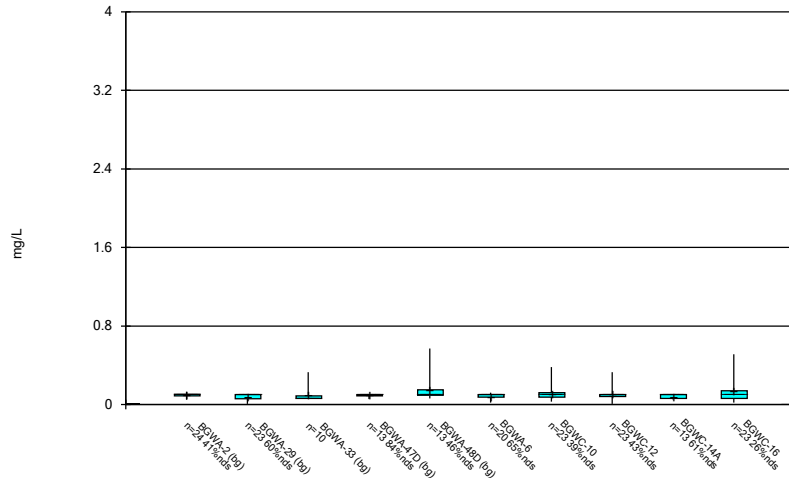
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



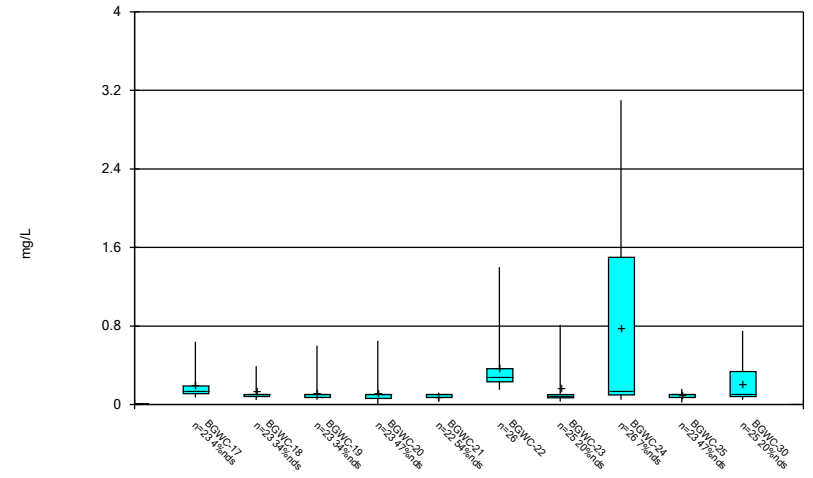
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



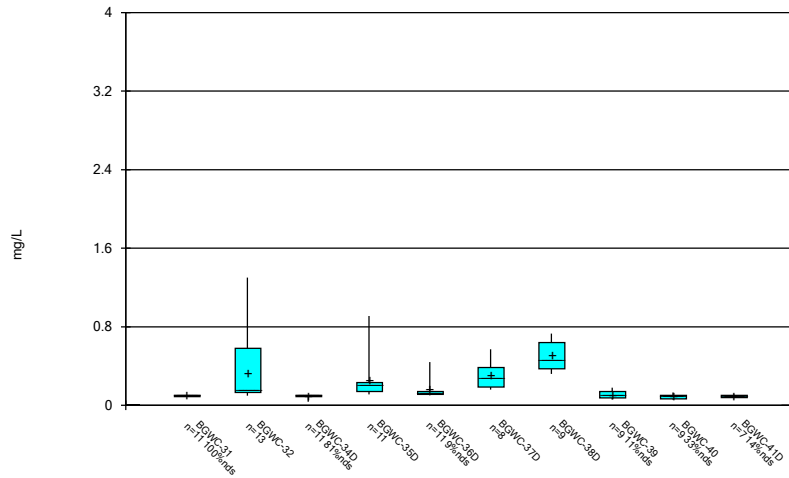
Constituent: Fluoride Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



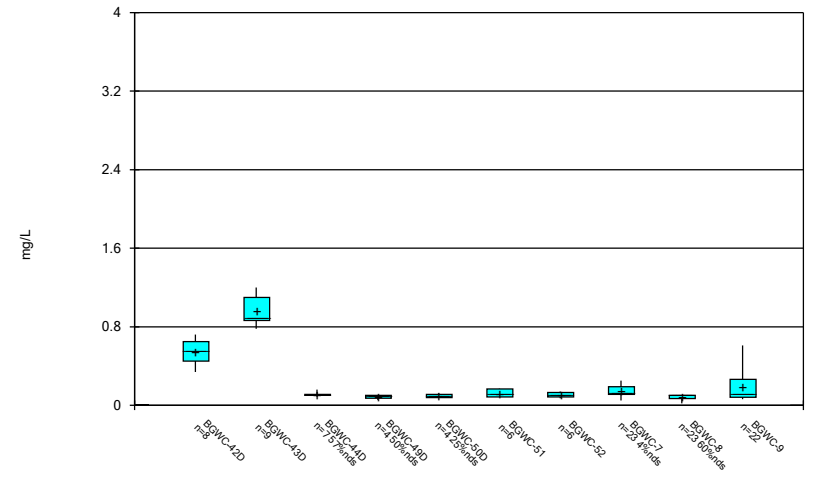
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



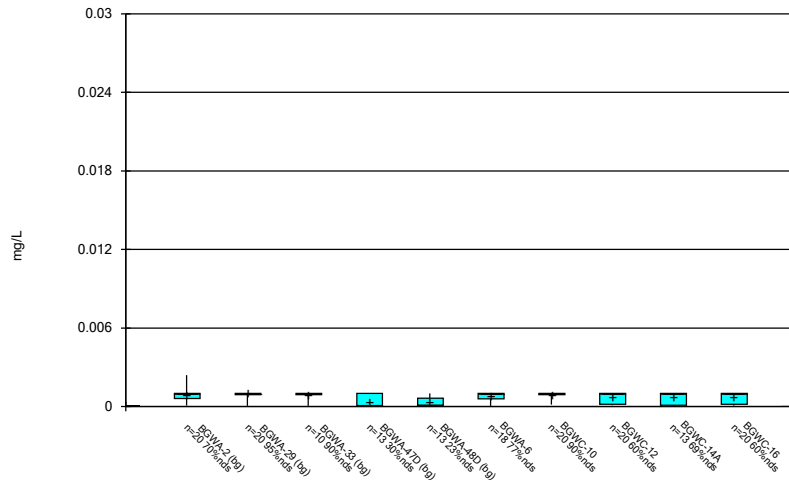
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Plant Bowen Client: Southern Company Data: Bowen AP-1

### Box & Whiskers Plot



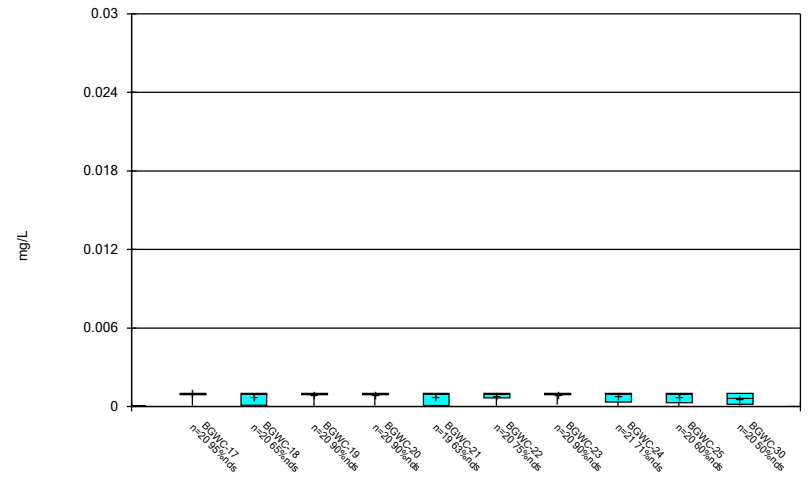
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



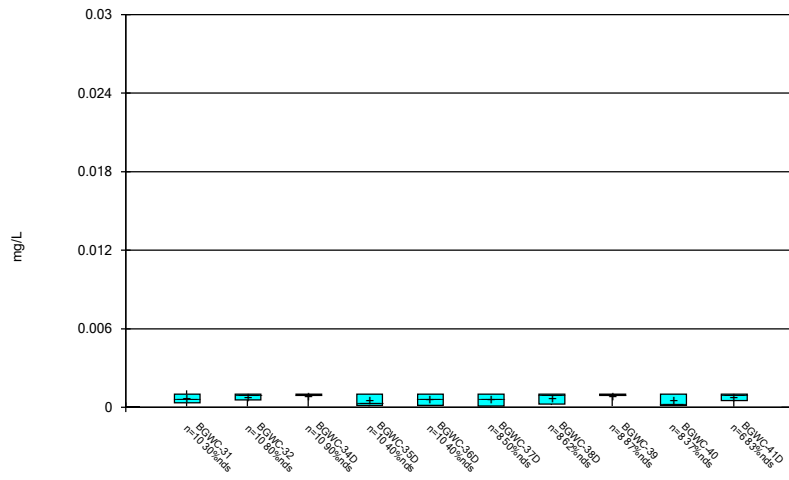
Constituent: Lead Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



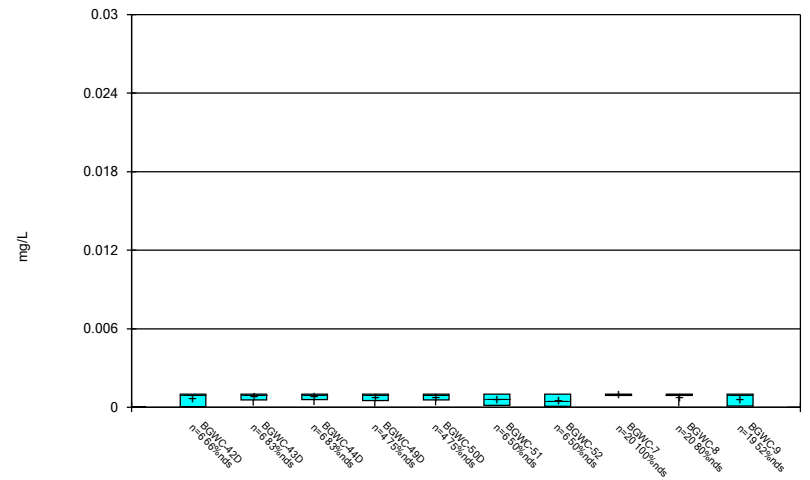
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



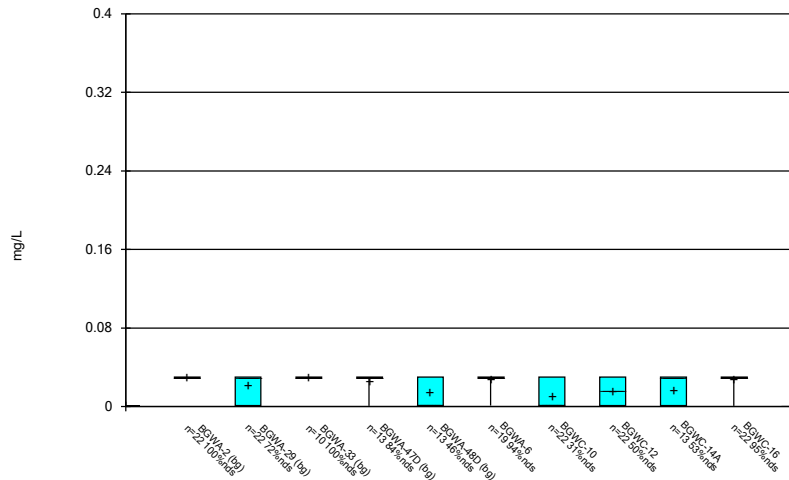
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



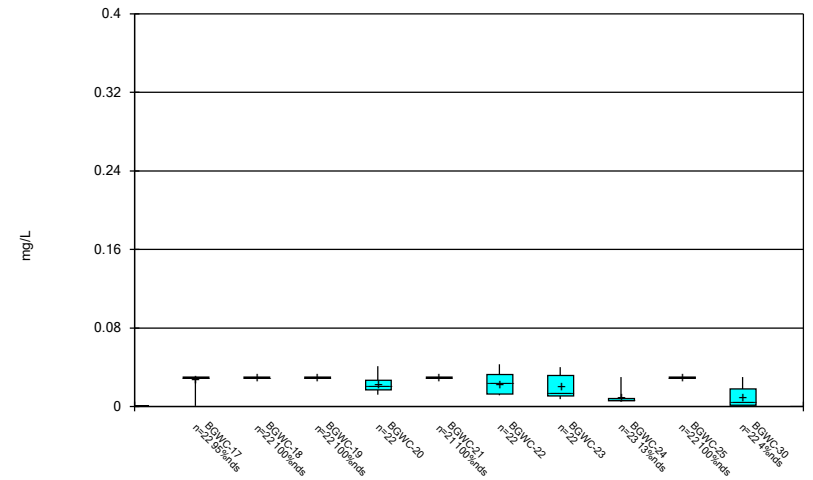
Constituent: Lead Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



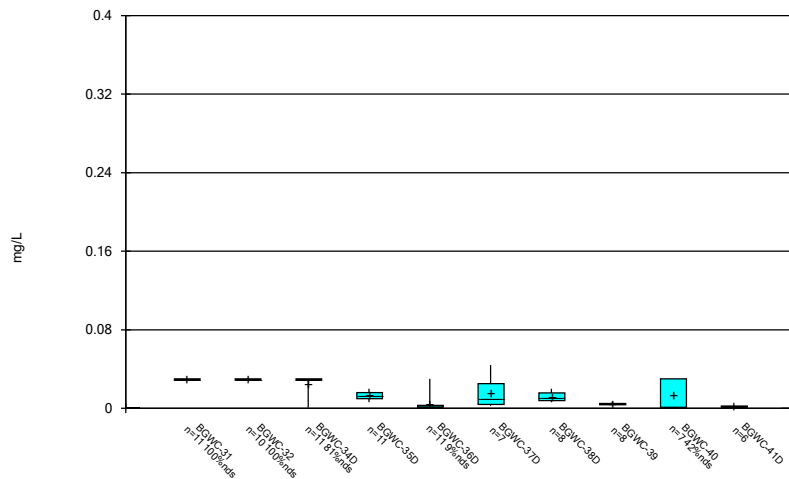
Constituent: Lithium Analysis Run 11/18/2022 2:58 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



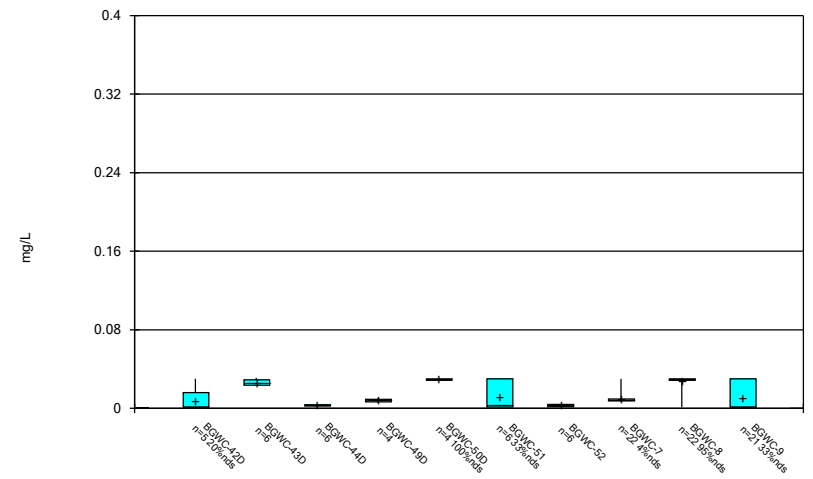
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



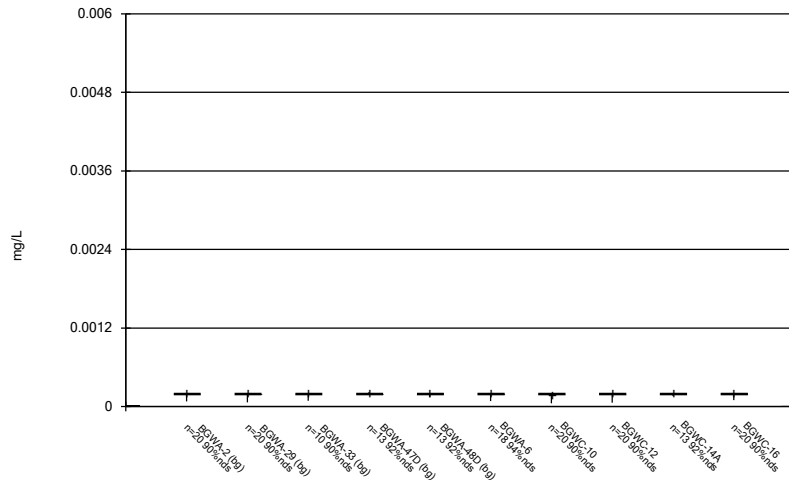
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



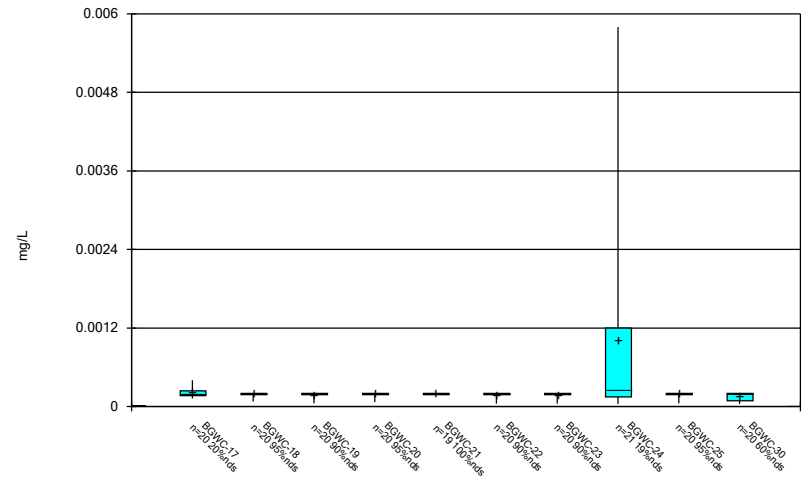
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



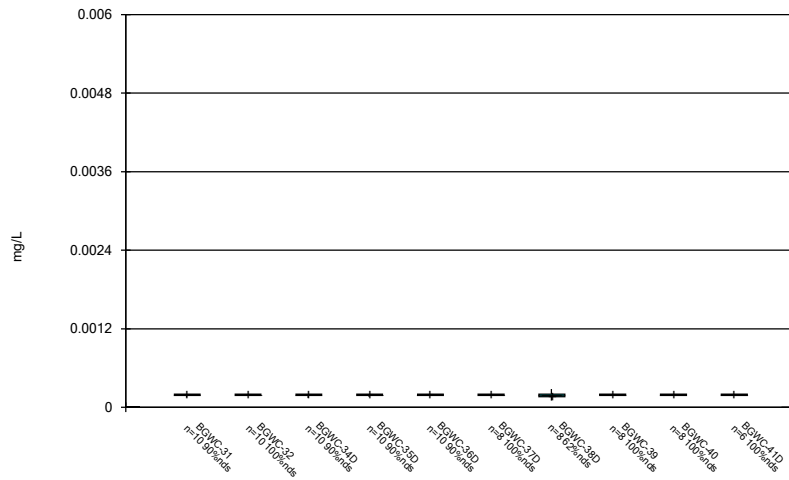
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



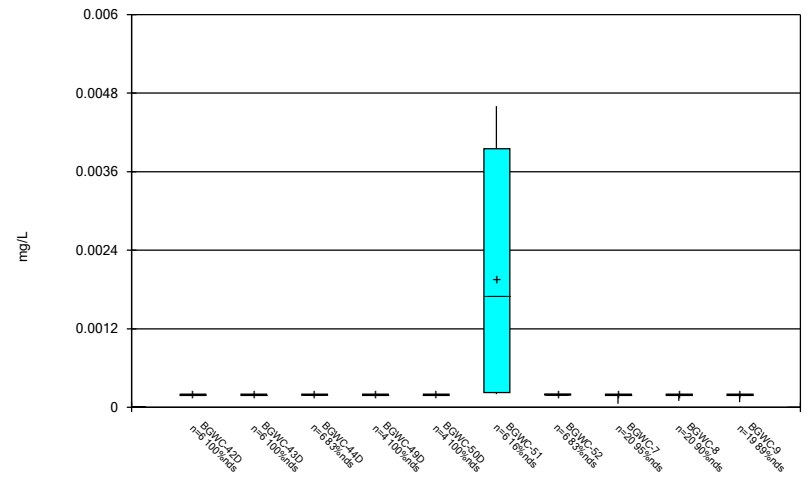
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



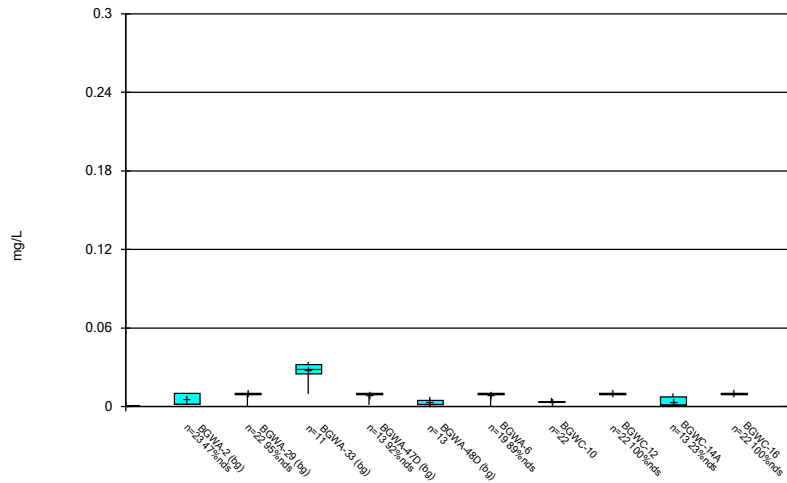
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



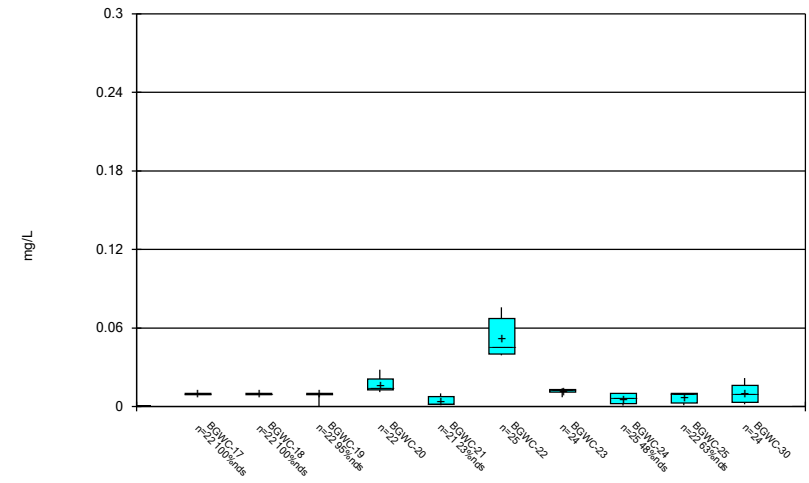
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



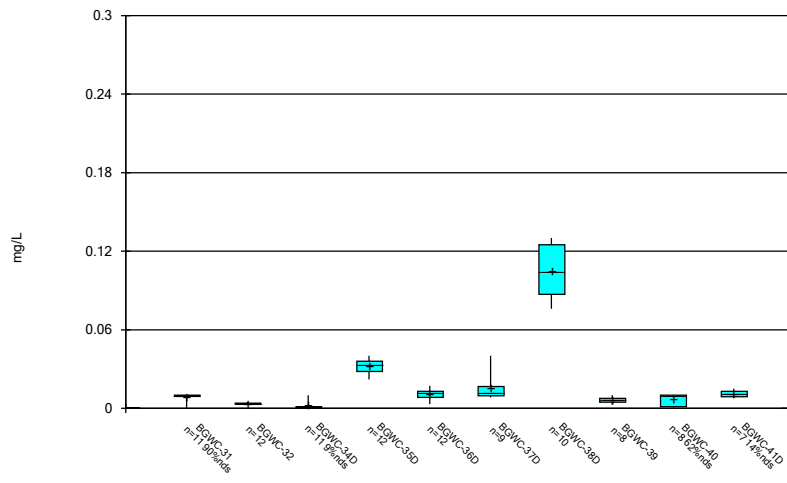
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



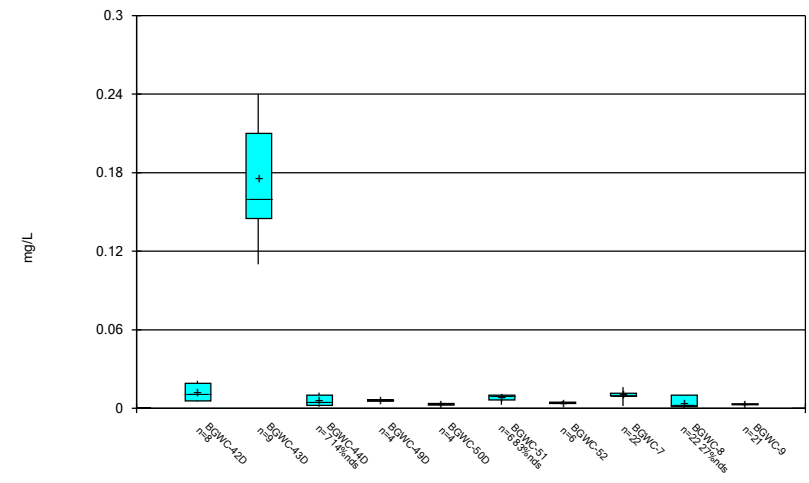
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



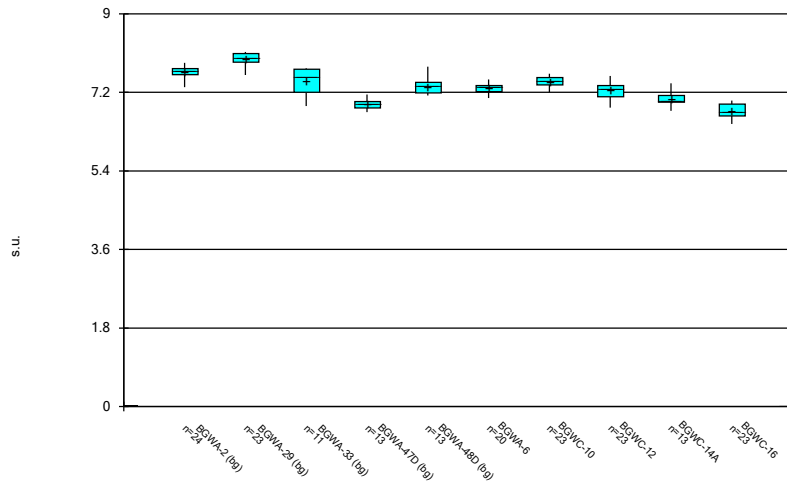
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



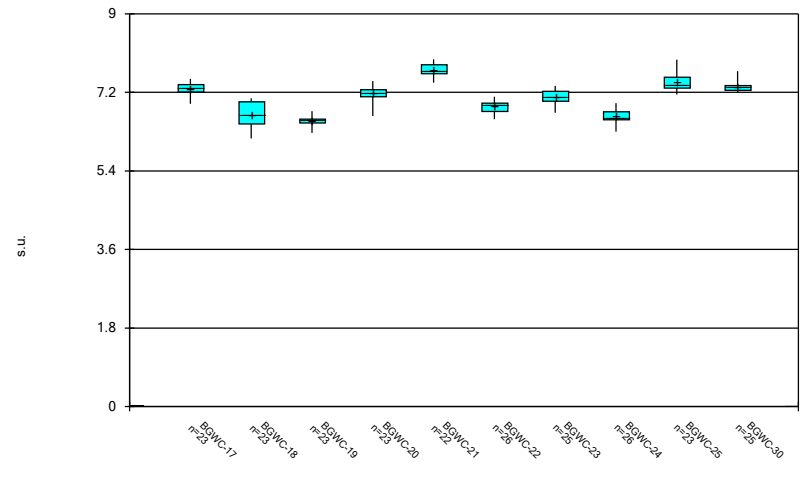
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



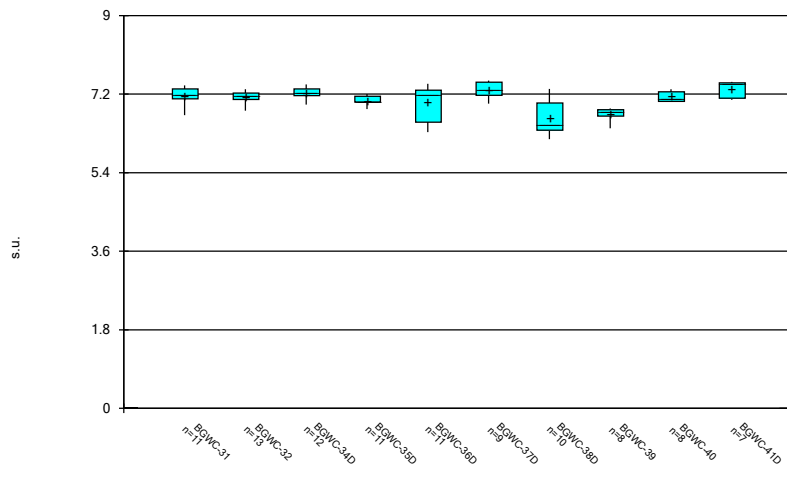
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



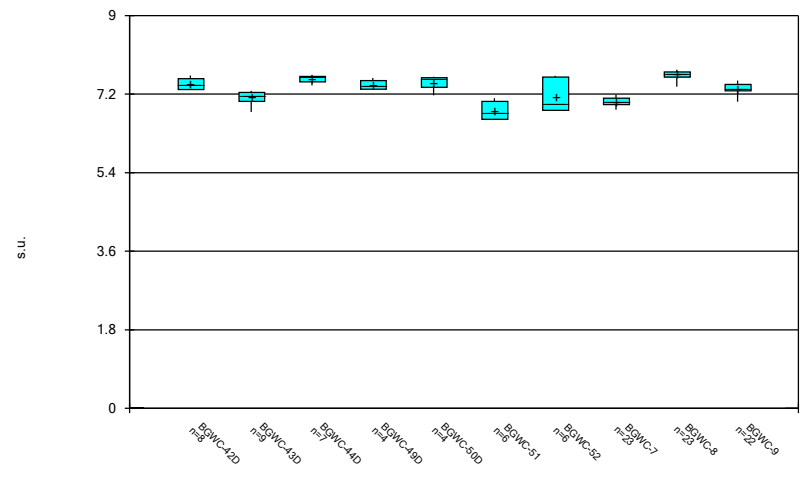
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



Constituent: pH Analysis Run 11/18/2022 2:59 AM View: Constituents View  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

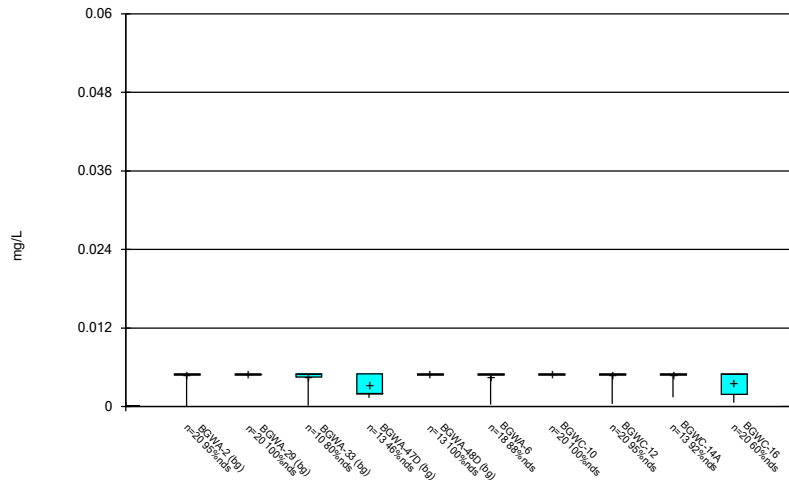
Box & Whiskers Plot



Constituent: pH Analysis Run 11/18/2022 2:59 AM View: Constituents View  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

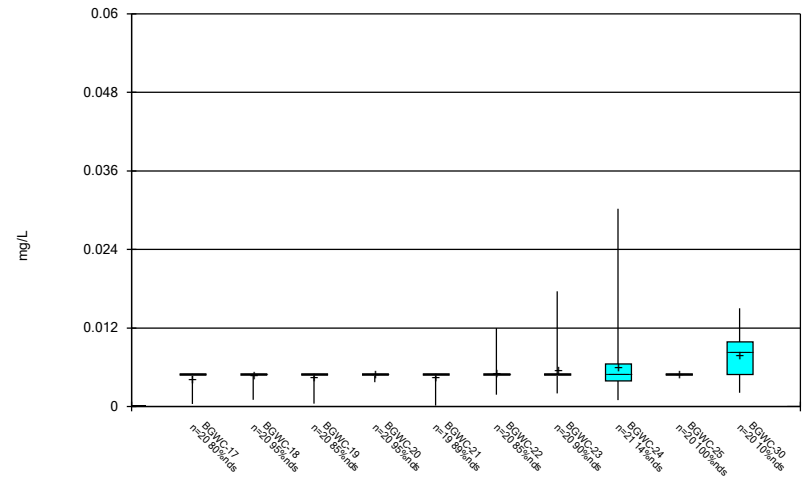


Box & Whiskers Plot



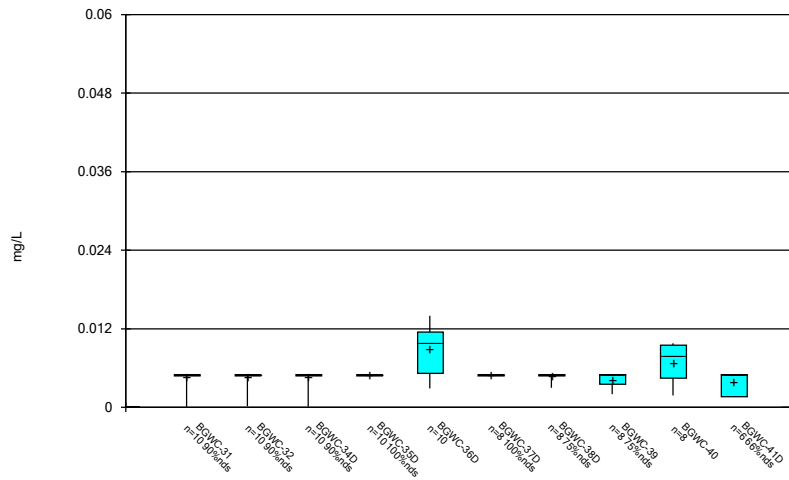
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



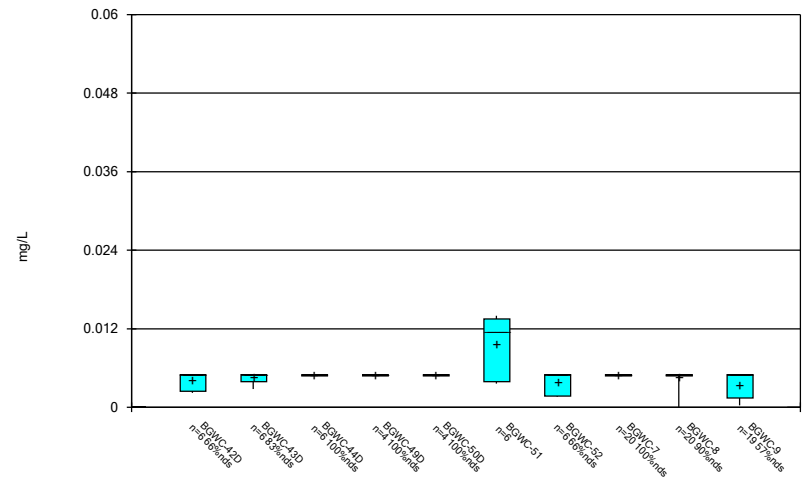
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



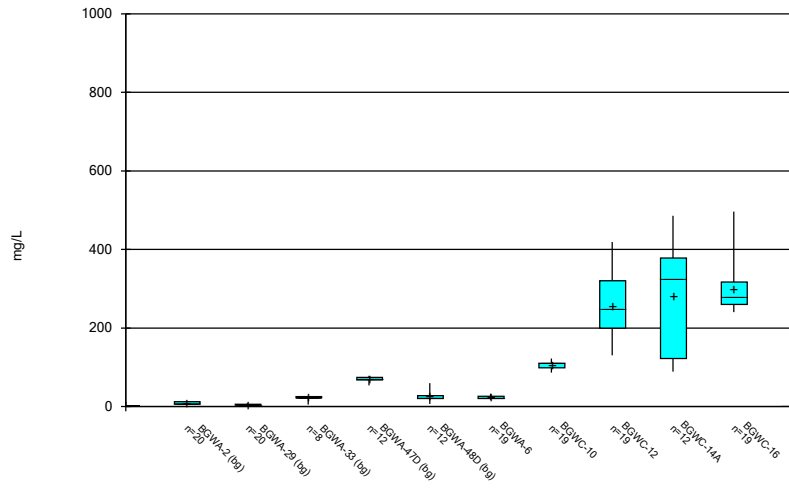
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



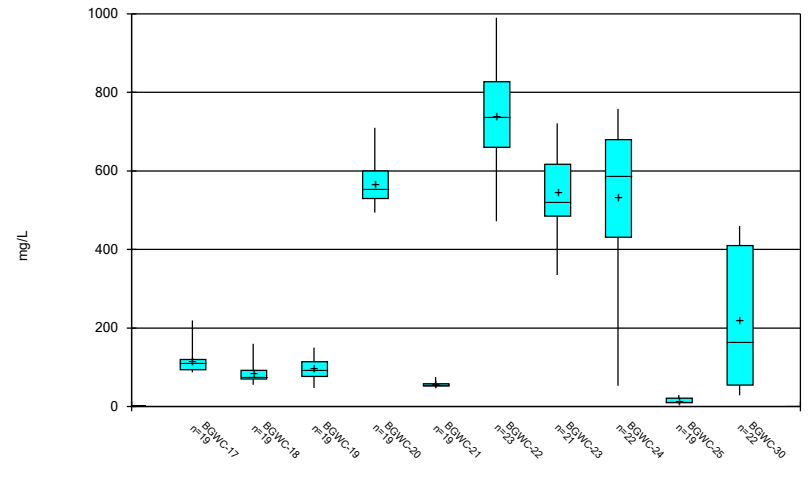
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



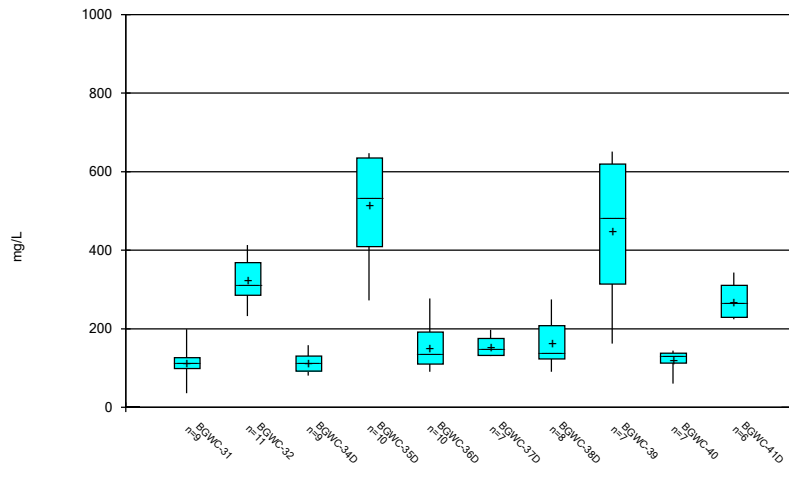
Constituent: Sulfate Analysis Run 11/18/2022 2:59 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



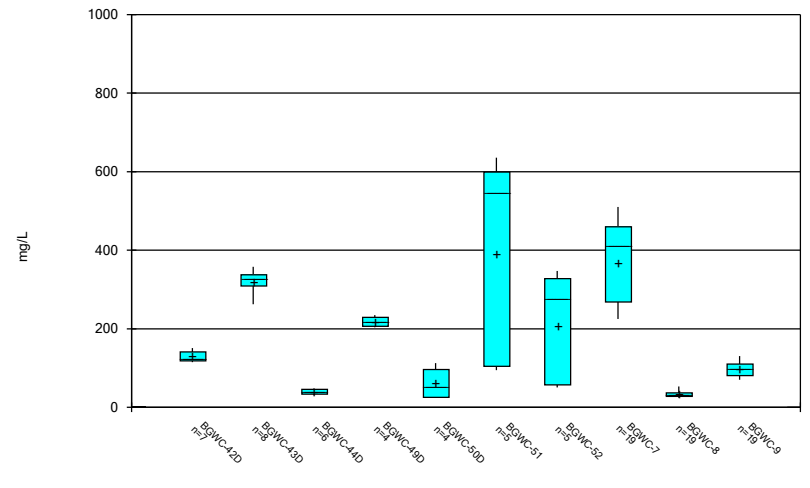
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



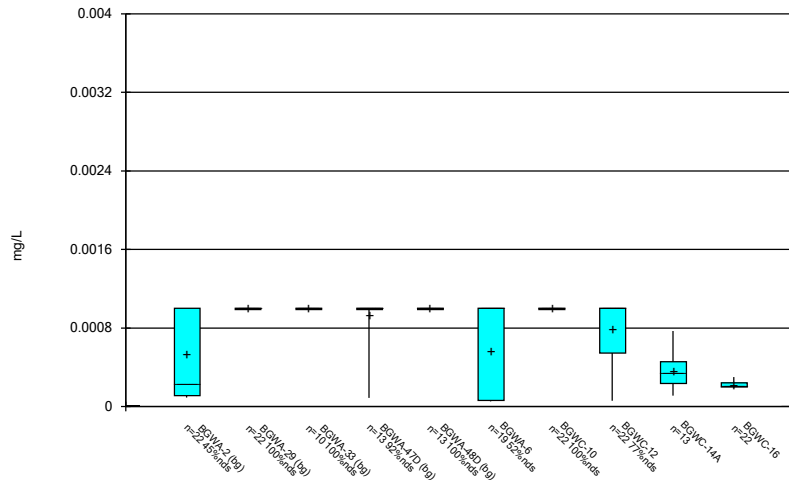
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Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



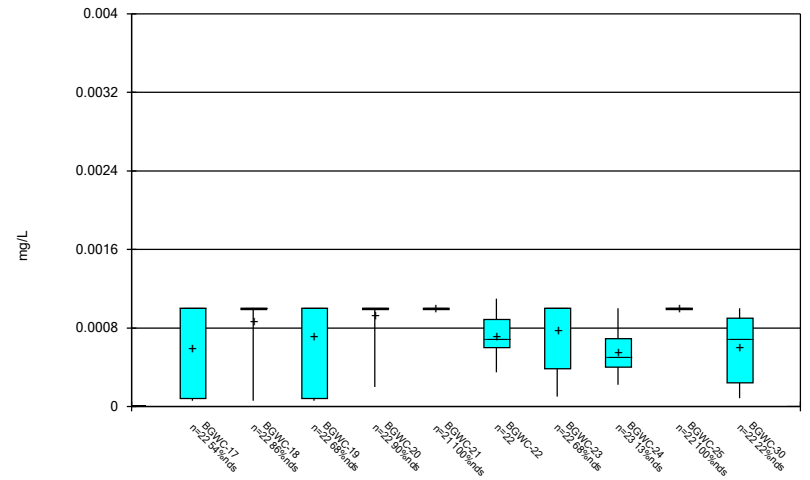
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Box & Whiskers Plot



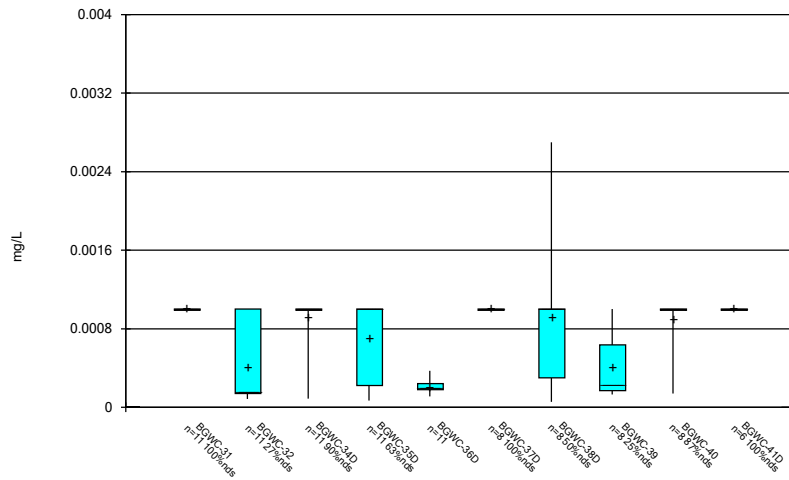
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



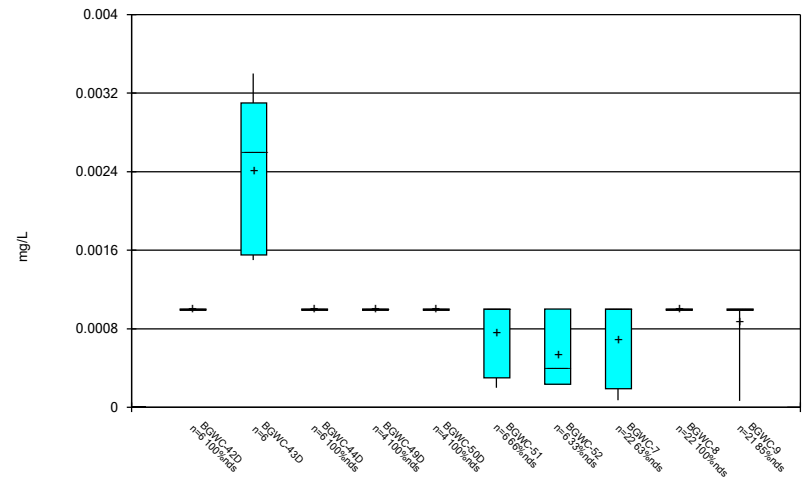
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



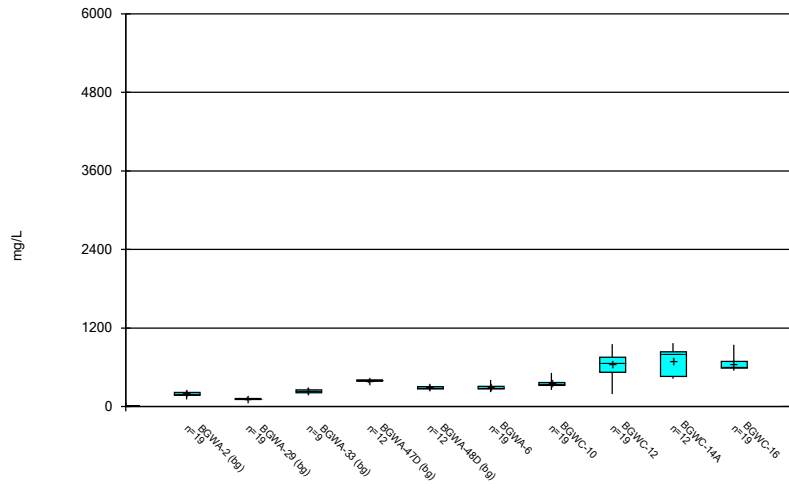
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 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



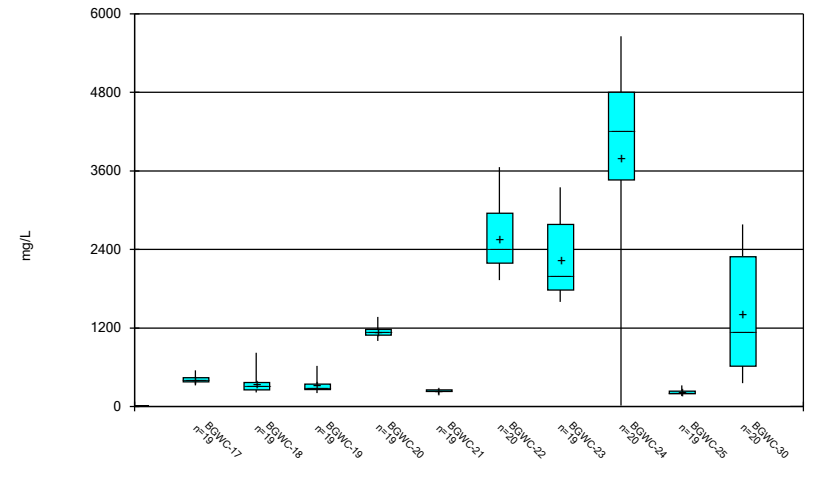
Constituent: Thallium Analysis Run 11/18/2022 2:59 AM View: Constituents View  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



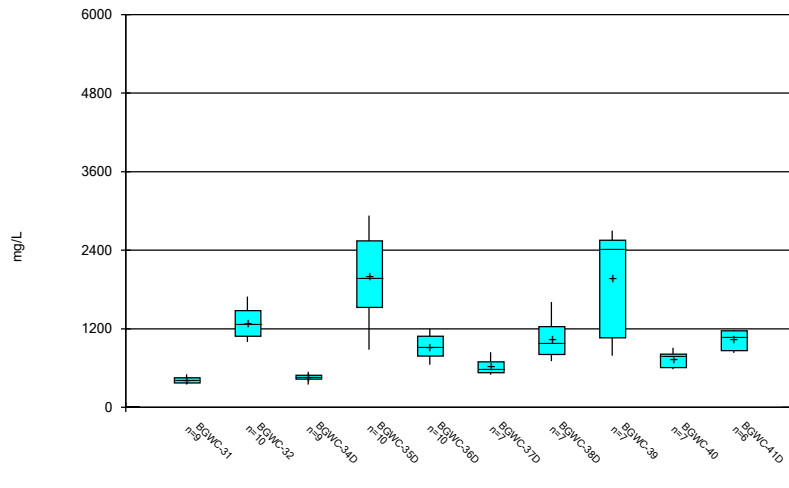
Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:59 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

Box & Whiskers Plot



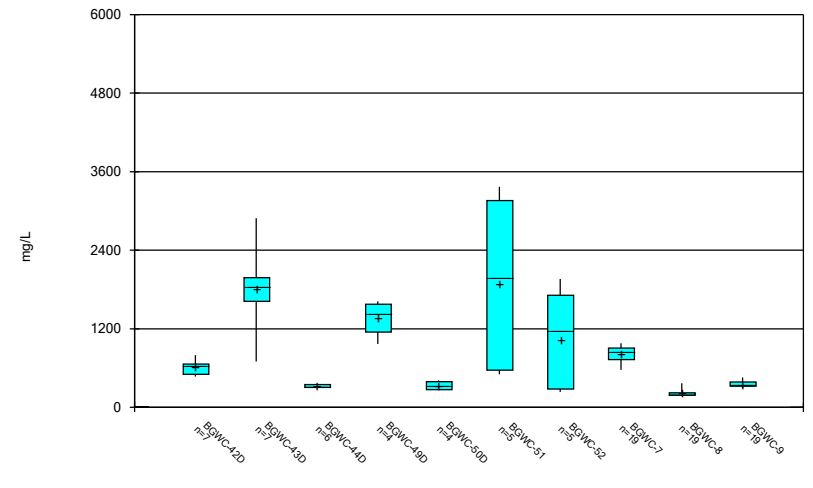
Constituent: Total Dissolved Solids Analysis Run 11/18/2022 2:59 AM View: Constituents View  
Plant Bowen Client: Southern Company Data: Bowen AP-1

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

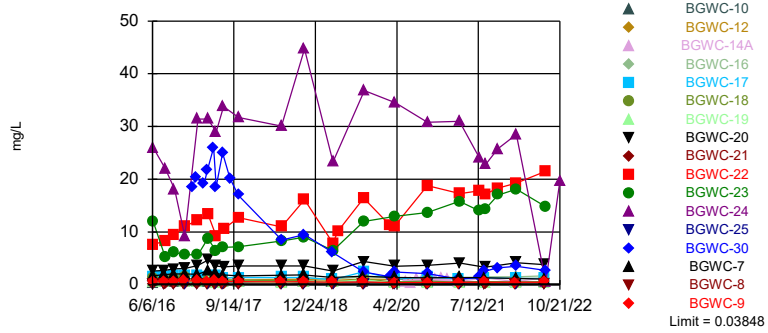
# Interwell Prediction Limits - All Results

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
<b>pH (s.u.)</b>	<b>BGWC-16</b>	<b>8.341</b>	<b>6.705</b>	<b>7/27/2022</b>	<b>6.49</b>	<b>Yes</b>	<b>84</b>	<b>57.26</b>	<b>5.773</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>pH (s.u.)</b>	<b>BGWC-19</b>	<b>8.341</b>	<b>6.705</b>	<b>7/27/2022</b>	<b>6.55</b>	<b>Yes</b>	<b>84</b>	<b>57.26</b>	<b>5.773</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>pH (s.u.)</b>	<b>BGWC-24</b>	<b>8.341</b>	<b>6.705</b>	<b>10/21/2022</b>	<b>6.3</b>	<b>Yes</b>	<b>84</b>	<b>57.26</b>	<b>5.773</b>	<b>0</b>	<b>None</b>	<b>x^2</b>	<b>0.000198</b>	<b>Param Inter 1 of 2</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-10</b>	<b>78</b>	<b>n/a</b>	<b>7/28/2022</b>	<b>105</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-12</b>	<b>78</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>419</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-14A</b>	<b>78</b>	<b>n/a</b>	<b>7/26/2022</b>	<b>486</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-16</b>	<b>78</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>496</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-17</b>	<b>78</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>118</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-19</b>	<b>78</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>82.7</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-20</b>	<b>78</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>617</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-22</b>	<b>78</b>	<b>n/a</b>	<b>8/2/2022</b>	<b>762</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-23</b>	<b>78</b>	<b>n/a</b>	<b>8/1/2022</b>	<b>528</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-24</b>	<b>78</b>	<b>n/a</b>	<b>10/21/2022</b>	<b>389</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-7</b>	<b>78</b>	<b>n/a</b>	<b>7/28/2022</b>	<b>268</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-9</b>	<b>78</b>	<b>n/a</b>	<b>7/26/2022</b>	<b>88</b>	<b>Yes</b>	<b>72</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0003615</b>	<b>NP Inter (normality) 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-12</b>	<b>469.5</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>952</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-14A</b>	<b>469.5</b>	<b>n/a</b>	<b>7/26/2022</b>	<b>966</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-16</b>	<b>469.5</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>944</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-20</b>	<b>469.5</b>	<b>n/a</b>	<b>7/27/2022</b>	<b>1370</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-22</b>	<b>469.5</b>	<b>n/a</b>	<b>8/2/2022</b>	<b>3440</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-23</b>	<b>469.5</b>	<b>n/a</b>	<b>8/1/2022</b>	<b>2780</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-24</b>	<b>469.5</b>	<b>n/a</b>	<b>10/21/2022</b>	<b>1610</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-30</b>	<b>469.5</b>	<b>n/a</b>	<b>8/1/2022</b>	<b>582</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-7</b>	<b>469.5</b>	<b>n/a</b>	<b>7/28/2022</b>	<b>732</b>	<b>Yes</b>	<b>71</b>	<b>14.68</b>	<b>3.248</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.000396</b>	<b>Param Inter 1 of 2</b>
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

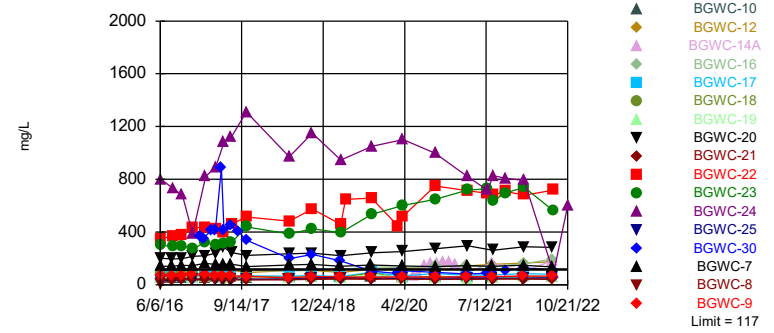


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.1151, Std. Dev.=0.03777, n=73, 16.44% NDs. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9687, critical = 0.956. Kappa = 2.147 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 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

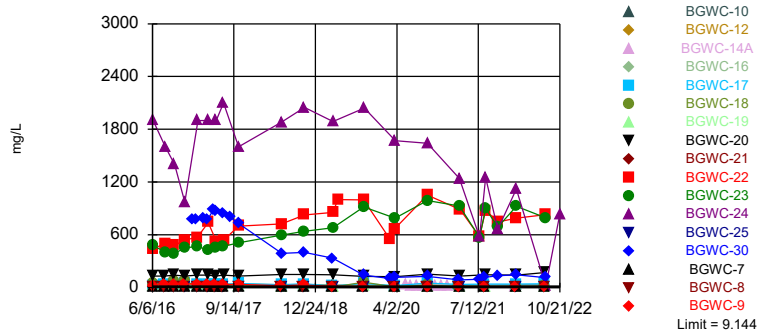


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 73 background values. Annual per-constituent alpha = 0.01333. Individual comparison alpha = 0.000353 (1 of 2). Comparing 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



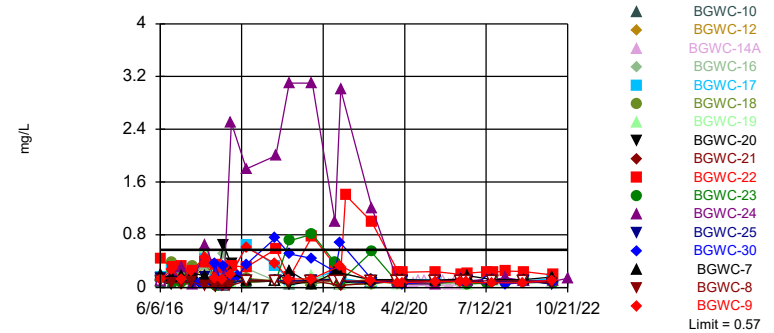
Background Data Summary (based on square root transformation): Mean=1.861, Std. Dev.=0.5413, n=72. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9698, critical = 0.954. Kappa = 2.148 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000396. 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

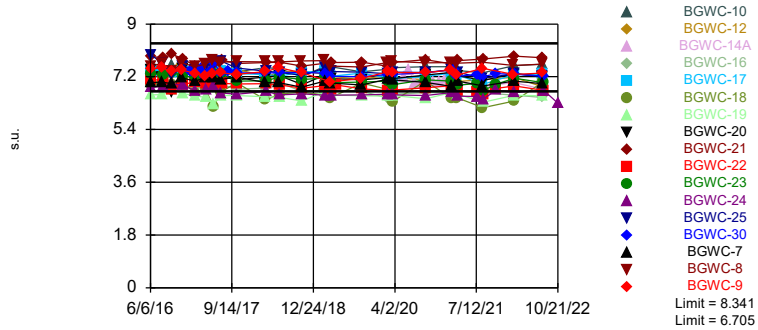


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 83 background values. 49.4% NDs. Annual per-constituent alpha = 0.01042. Individual comparison alpha = 0.0002756 (1 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

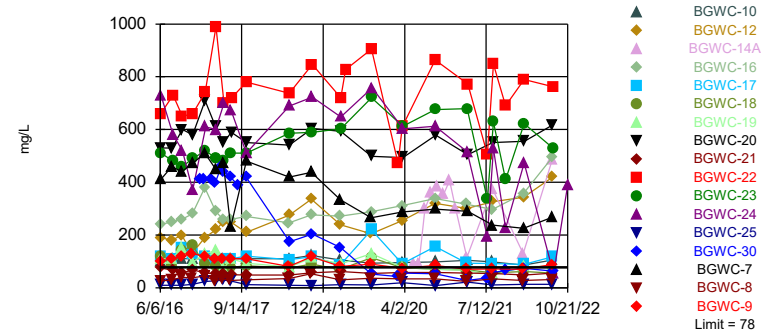


Background Data Summary (based on square transformation): Mean=57.26, Std. Dev.=5.773, n=84. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9604, critical = 0.96. Kappa = 2.132 (c=7, w=19, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.000198. 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

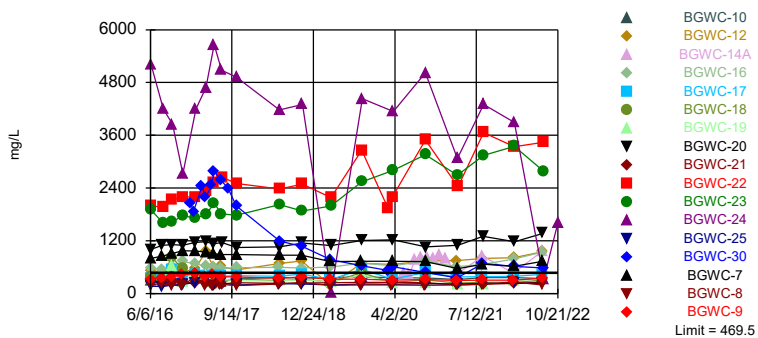


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 72 background values. Annual per-constituent alpha = 0.01365. Individual comparison alpha = 0.0003615 (1 of 2). Comparing 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

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	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

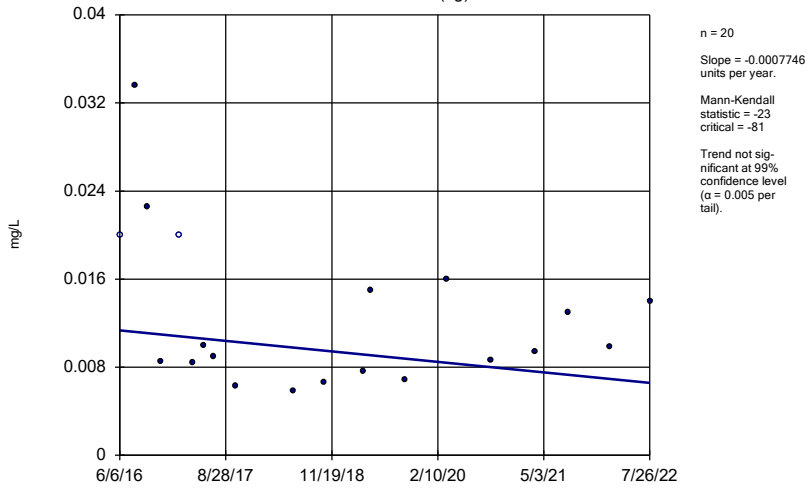
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	BGWA-2 (bg)	-0.0007746	-23	-81	No	20	10	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-29 (bg)	0	-23	-81	No	20	50	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-33 (bg)	-0.0068	-15	-25	No	9	0	n/a	n/a	0.01	NP
Boron (mg/L)	BGWA-47D (bg)	-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
<b>Boron (mg/L)</b>	<b>BGWC-12</b>	<b>0.05103</b>	<b>90</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Boron (mg/L)</b>	<b>BGWC-18</b>	<b>-0.07488</b>	<b>-95</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Boron (mg/L)</b>	<b>BGWC-22</b>	<b>1.795</b>	<b>160</b>	<b>98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-23</b>	<b>1.856</b>	<b>154</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron (mg/L)	BGWC-24	-0.3723	-20	-92	No	22	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>BGWC-25</b>	<b>0.004415</b>	<b>78</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-30</b>	<b>-3.891</b>	<b>-131</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Boron (mg/L)</b>	<b>BGWC-7</b>	<b>-0.1574</b>	<b>-113</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron (mg/L)	BGWC-8	-0.003776	-44	-74	No	19	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>BGWC-9</b>	<b>-0.04004</b>	<b>-92</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWA-2 (bg)</b>	<b>2.945</b>	<b>115</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Calcium (mg/L)</b>	<b>BGWC-12</b>	<b>14.17</b>	<b>146</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	BGWC-14A	21.17	26	38	No	12	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>BGWC-16</b>	<b>6.772</b>	<b>87</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-20</b>	<b>13.98</b>	<b>113</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-22</b>	<b>59.98</b>	<b>182</b>	<b>98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Calcium (mg/L)</b>	<b>BGWC-23</b>	<b>78.86</b>	<b>160</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Chloride (mg/L)</b>	<b>BGWA-29 (bg)</b>	<b>-0.1487</b>	<b>-135</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Chloride (mg/L)</b>	<b>BGWC-10</b>	<b>1.301</b>	<b>113</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-12</b>	<b>-5.329</b>	<b>-158</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Chloride (mg/L)	BGWC-14A	-3.124	-15	-38	No	12	0	n/a	n/a	0.01	NP
<b>Chloride (mg/L)</b>	<b>BGWC-16</b>	<b>-4.056</b>	<b>-110</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Chloride (mg/L)</b>	<b>BGWC-22</b>	<b>57.74</b>	<b>130</b>	<b>98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-23</b>	<b>95.49</b>	<b>138</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-24</b>	<b>-146</b>	<b>-94</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-30</b>	<b>-150.4</b>	<b>-143</b>	<b>-92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Chloride (mg/L)</b>	<b>BGWC-9</b>	<b>-5.154</b>	<b>-104</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>pH (s.u.)</b>	<b>BGWA-47D (bg)</b>	<b>-0.1588</b>	<b>-54</b>	<b>-43</b>	<b>Yes</b>	<b>13</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (s.u.)	BGWA-48D (bg)	-0.2026	-41	-43	No	13	0	n/a	n/a	0.01	NP
<b>pH (s.u.)</b>	<b>BGWC-16</b>	<b>-0.06548</b>	<b>-161</b>	<b>-98</b>	<b>Yes</b>	<b>23</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (s.u.)	BGWC-19	-0.005105	-31	-98	No	23	0	n/a	n/a	0.01	NP
<b>pH (s.u.)</b>	<b>BGWC-24</b>	<b>-0.05117</b>	<b>-165</b>	<b>-118</b>	<b>Yes</b>	<b>26</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>BGWA-2 (bg)</b>	<b>1.439</b>	<b>131</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWA-47D (bg)</b>	<b>8.354</b>	<b>44</b>	<b>38</b>	<b>Yes</b>	<b>12</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Sulfate (mg/L)</b>	<b>BGWC-12</b>	<b>30.17</b>	<b>119</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	BGWC-14A	68.69	20	38	No	12	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>BGWC-16</b>	<b>14.92</b>	<b>96</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

# Appendix III Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 11/15/2022, 8:18 PM

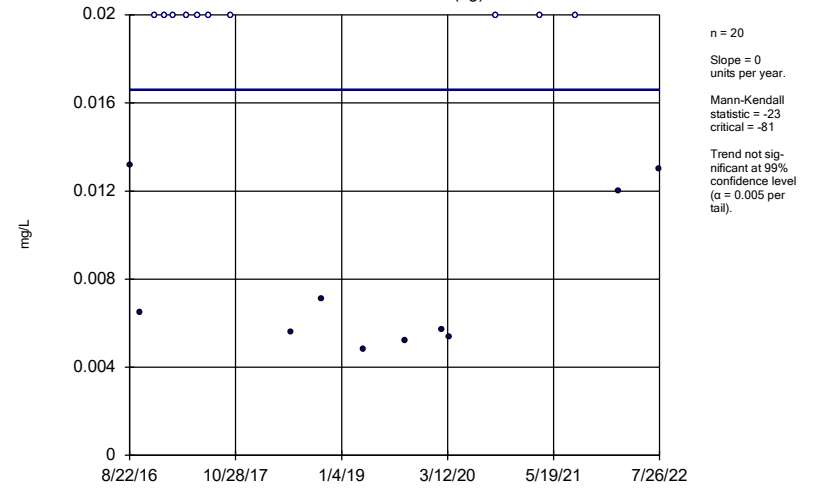
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Sulfate (mg/L)	BGWC-17	-4.42	-51	-74	No	19	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>BGWC-19</b>	<b>-9.18</b>	<b>-75</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	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
<b>Sulfate (mg/L)</b>	<b>BGWC-7</b>	<b>-40.5</b>	<b>-86</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>BGWC-9</b>	<b>-7.855</b>	<b>-94</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-12</b>	<b>55.89</b>	<b>105</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-22</b>	<b>227.7</b>	<b>93</b>	<b>81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-23</b>	<b>238.1</b>	<b>121</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Total Dissolved Solids (mg/L)	BGWC-24	-217.9	-54	-81	No	20	0	n/a	n/a	0.01	NP
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-30</b>	<b>-394.4</b>	<b>-120</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Total Dissolved Solids (mg/L)</b>	<b>BGWC-7</b>	<b>-53.6</b>	<b>-103</b>	<b>-74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

### Sen's Slope Estimator BGWA-2 (bg)



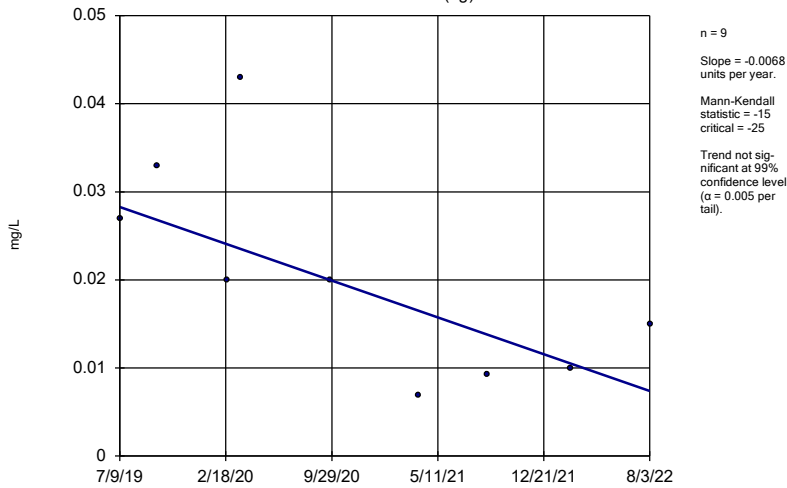
Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWA-29 (bg)



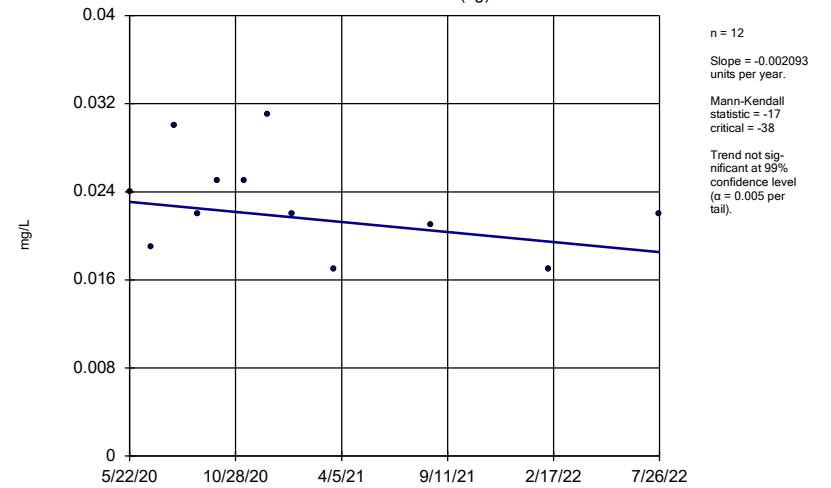
Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### 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)

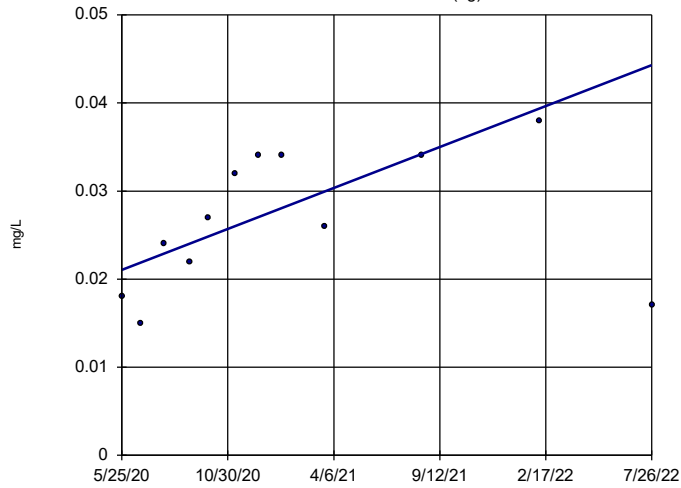


Constituent: Boron Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1



### Sen's Slope Estimator

BGWA-48D (bg)

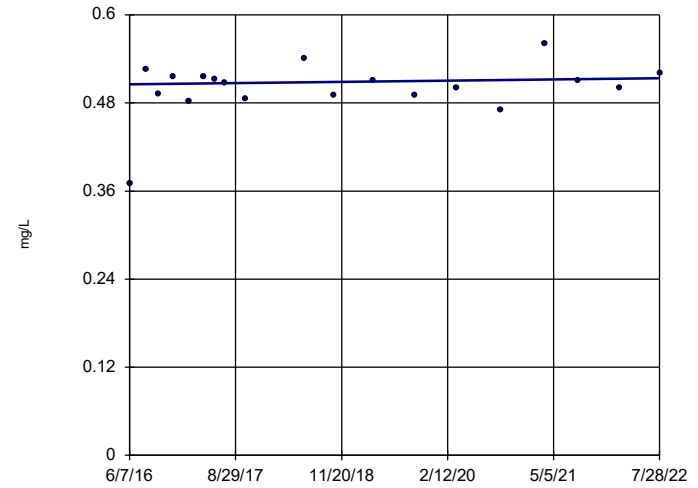


n = 12  
 Slope = 0.01071 units per year.  
 Mann-Kendall statistic = 31  
 critical = 38  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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

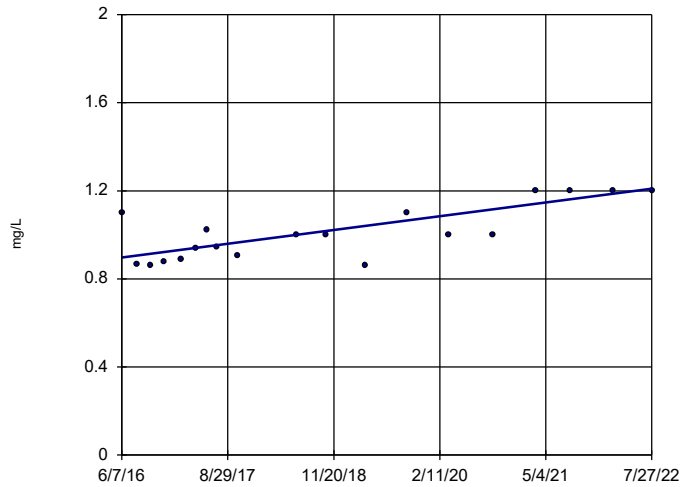


n = 19  
 Slope = 0.001358 units per year.  
 Mann-Kendall statistic = 13  
 critical = 74  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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

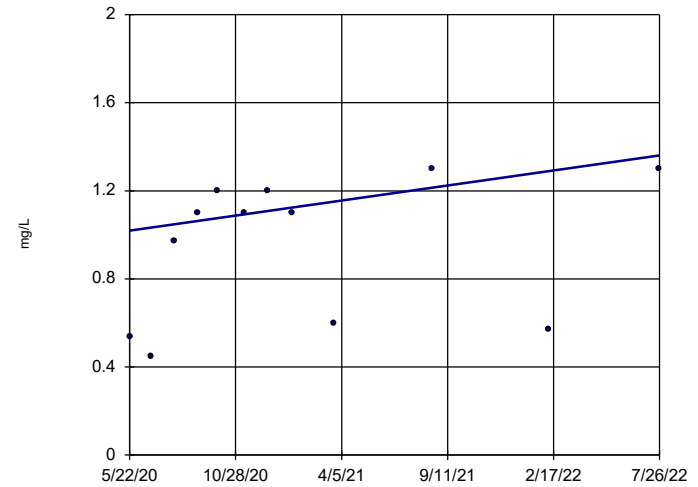


n = 19  
 Slope = 0.05103 units per year.  
 Mann-Kendall statistic = 90  
 critical = 74  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

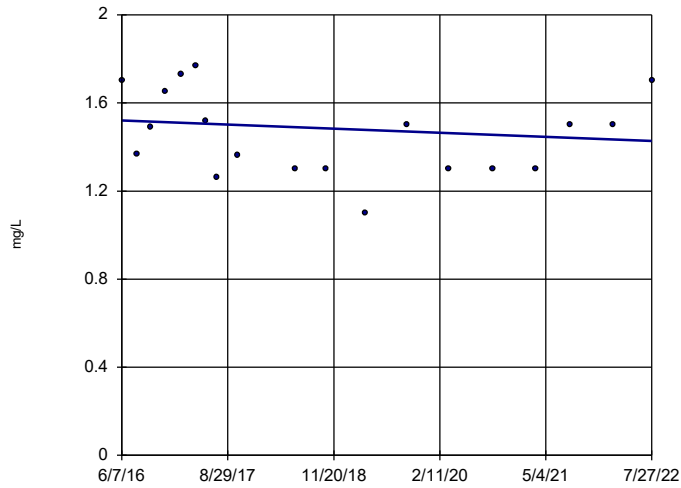
BGWC-14A



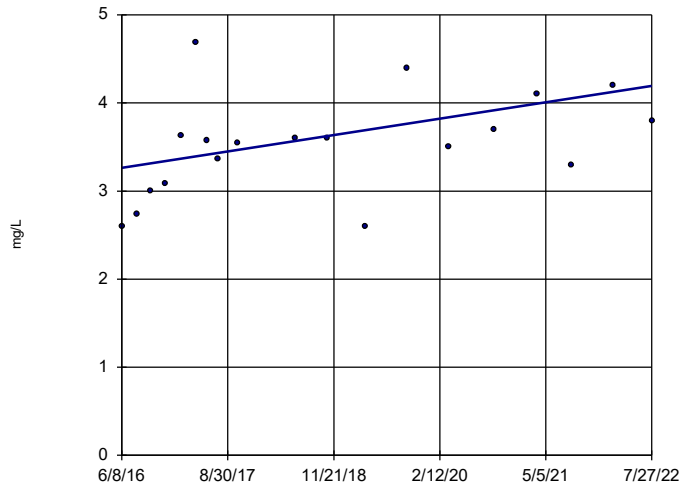
n = 12  
 Slope = 0.1569 units per year.  
 Mann-Kendall statistic = 25  
 critical = 38  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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



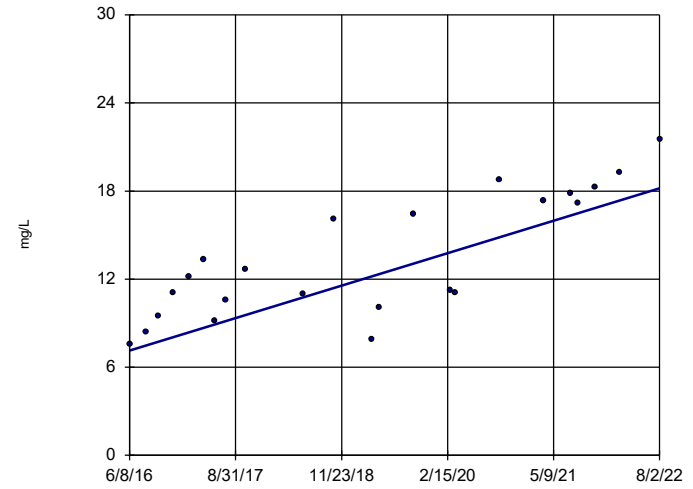
### Sen's Slope Estimator BGWC-20



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

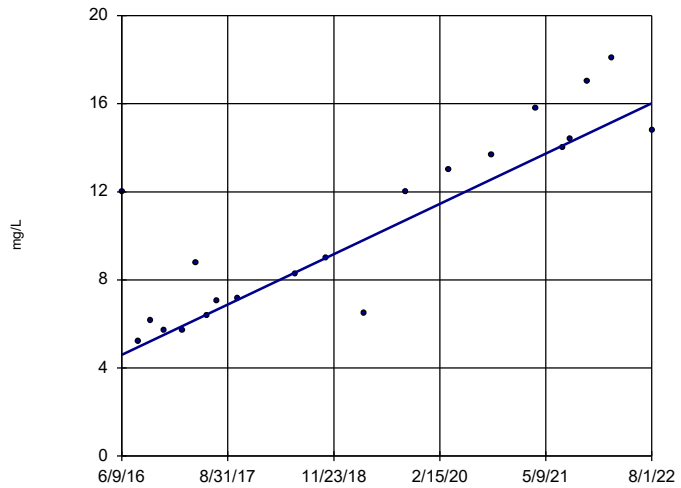
### Sen's Slope Estimator BGWC-22



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

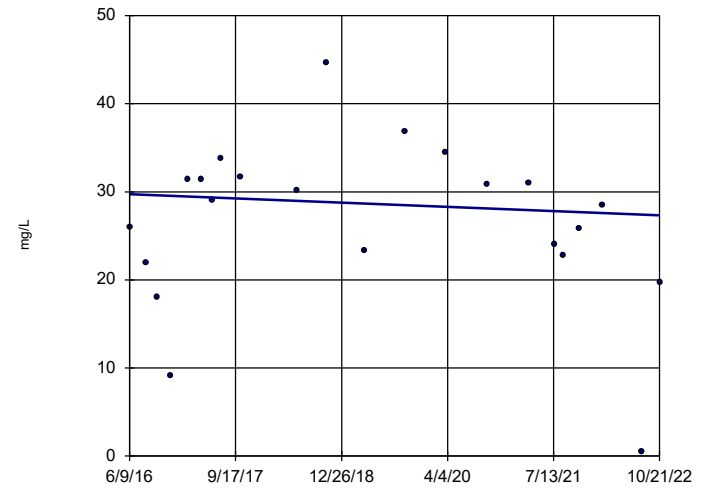
### Sen's Slope Estimator BGWC-23



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

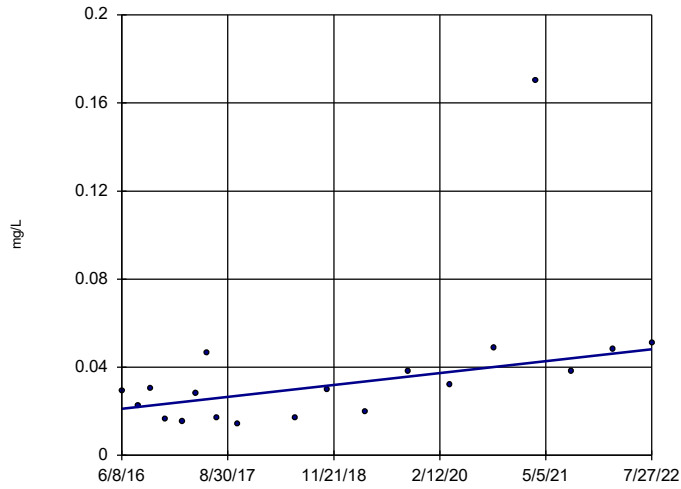
### Sen's Slope Estimator BGWC-24



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

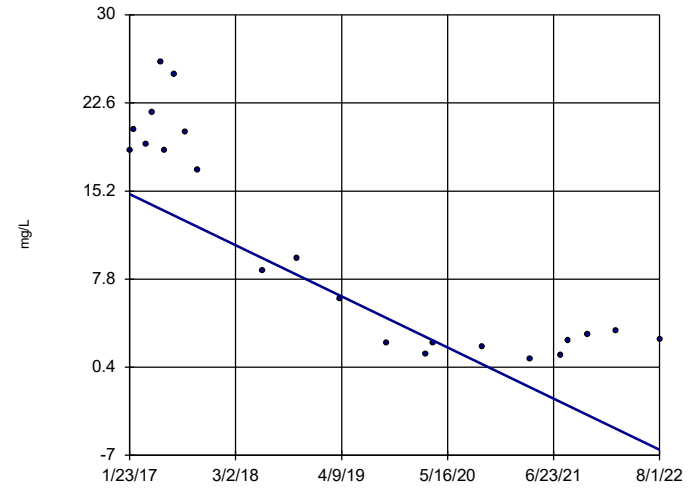
### Sen's Slope Estimator BGWC-25



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

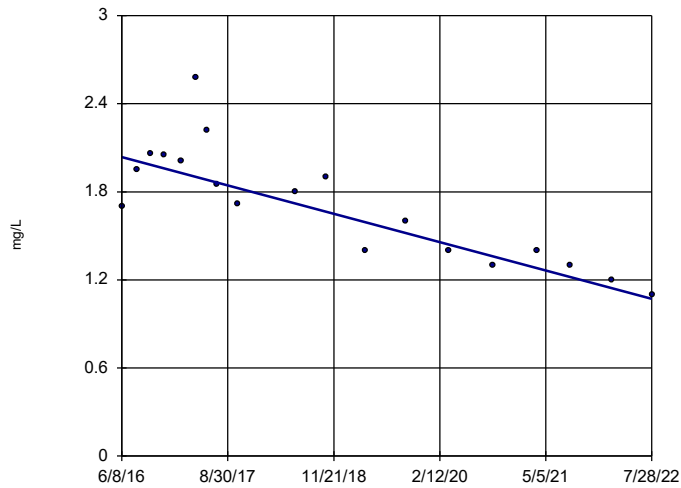
### Sen's Slope Estimator BGWC-30



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

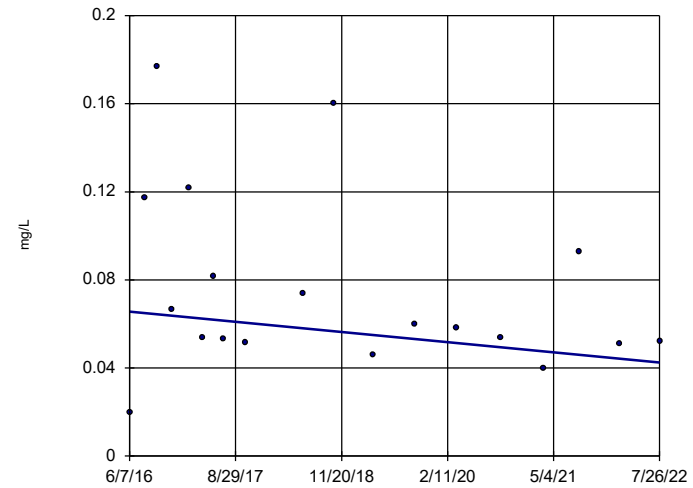
### Sen's Slope Estimator BGWC-7



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



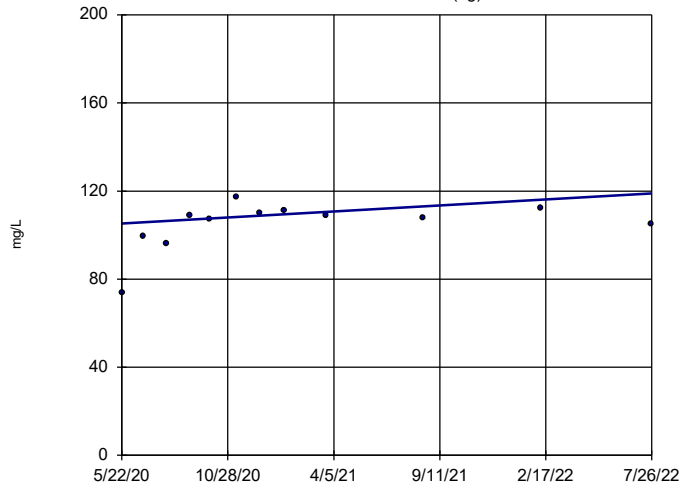
n = 19  
 Slope = -0.003776  
 units per year.  
 Mann-Kendall  
 statistic = -44  
 critical = -74  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

BGWA-47D (bg)

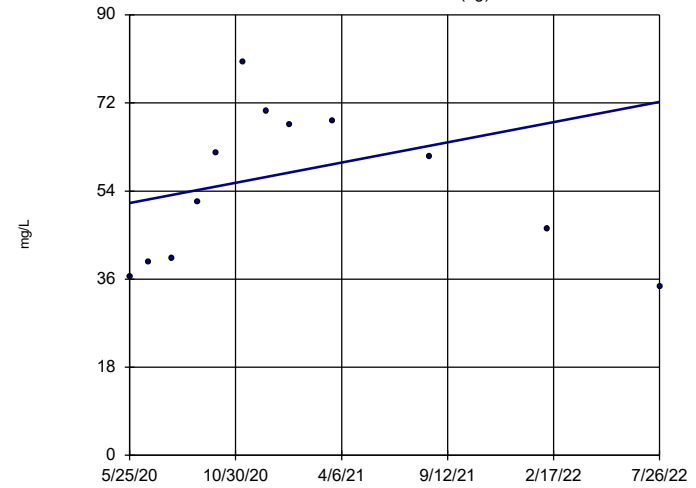


n = 12  
 Slope = 6.309 units per year.  
 Mann-Kendall statistic = 23  
 critical = 38  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

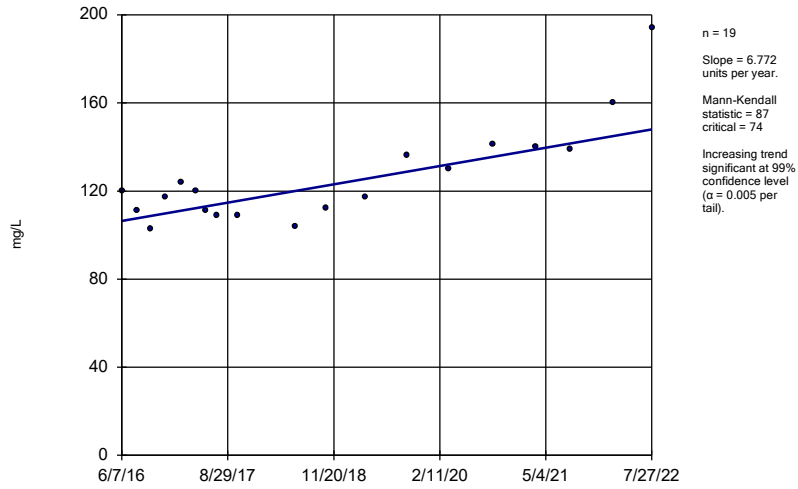
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator

BGWA-48D (bg)

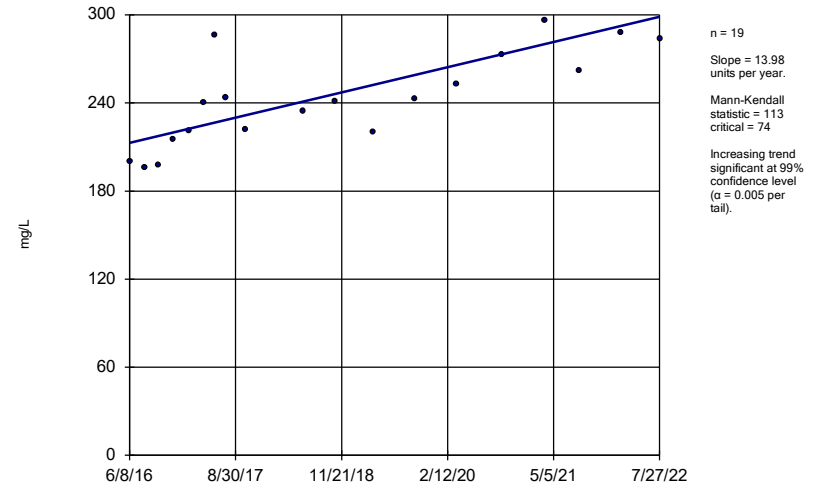


### Sen's Slope Estimator BGWC-16



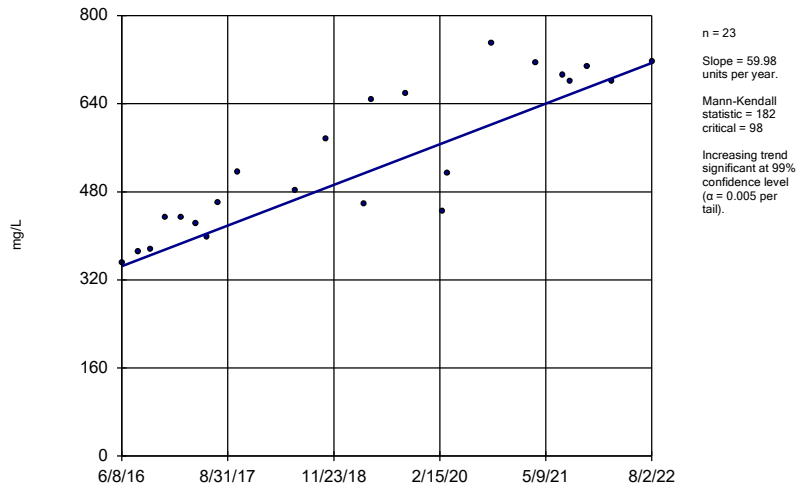
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-20



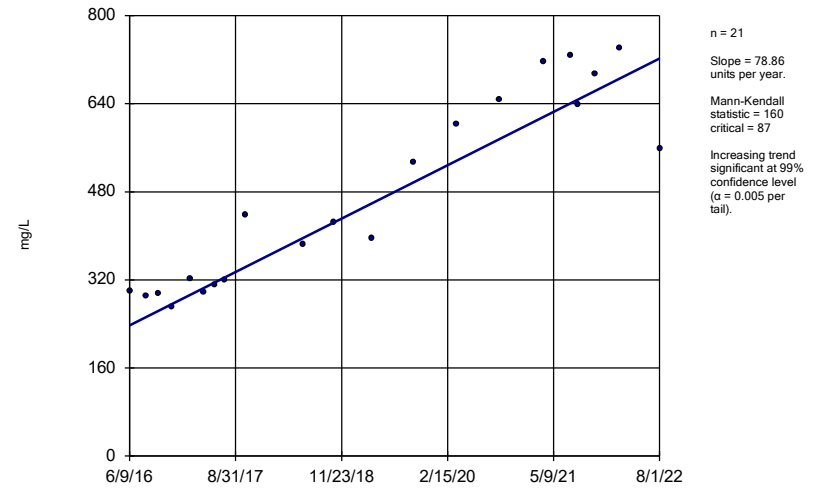
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-22



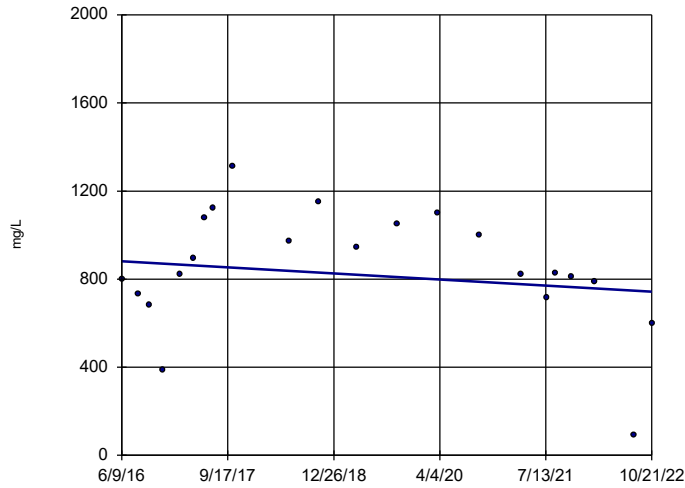
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-23



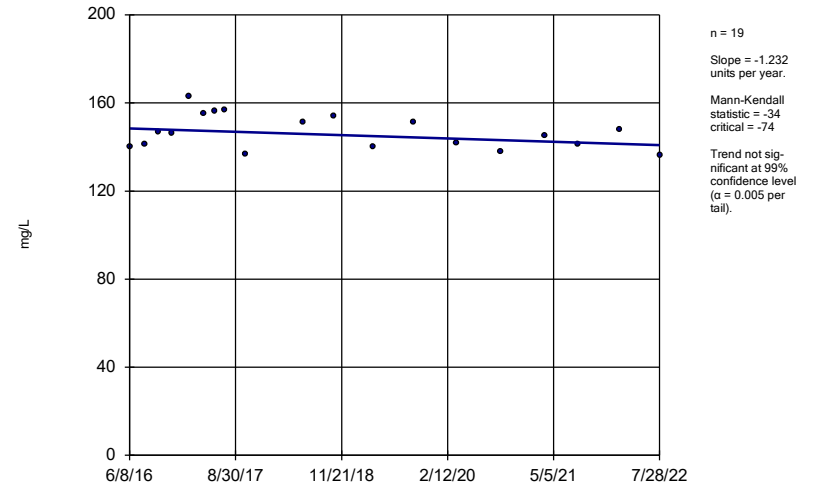
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-24



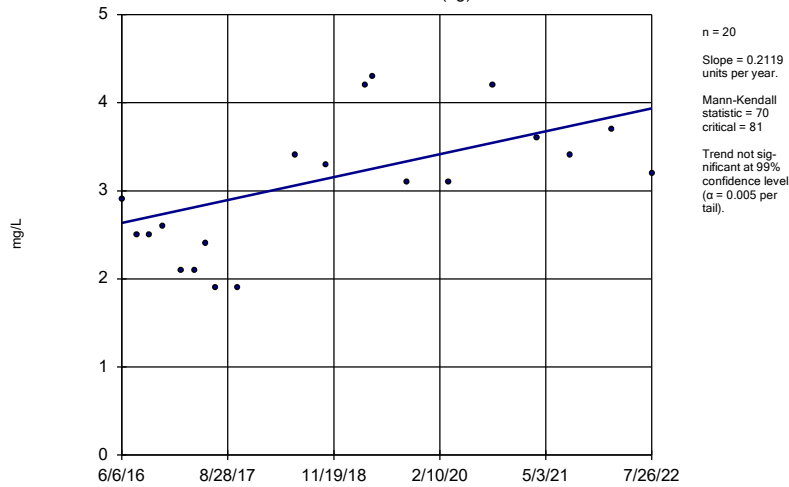
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-7



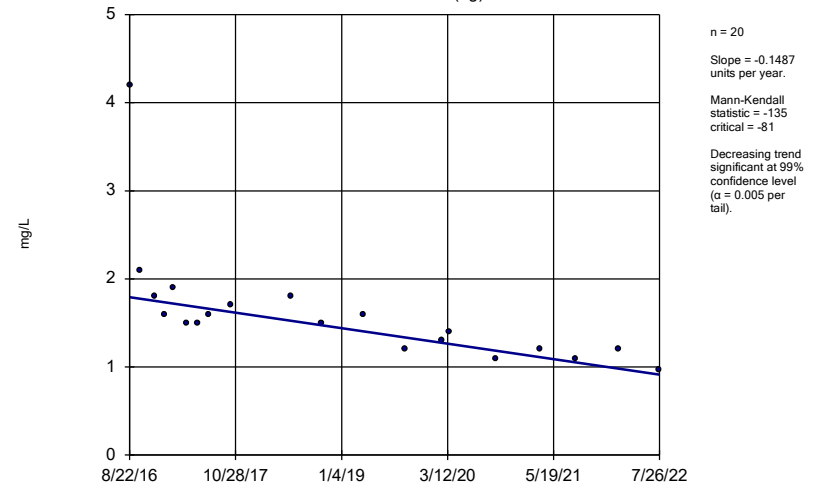
Constituent: Calcium Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### 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)

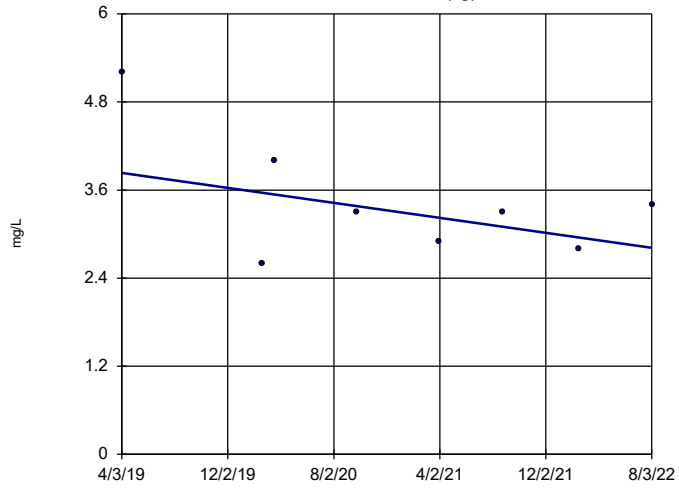


Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1



### Sen's Slope Estimator

BGWA-33 (bg)

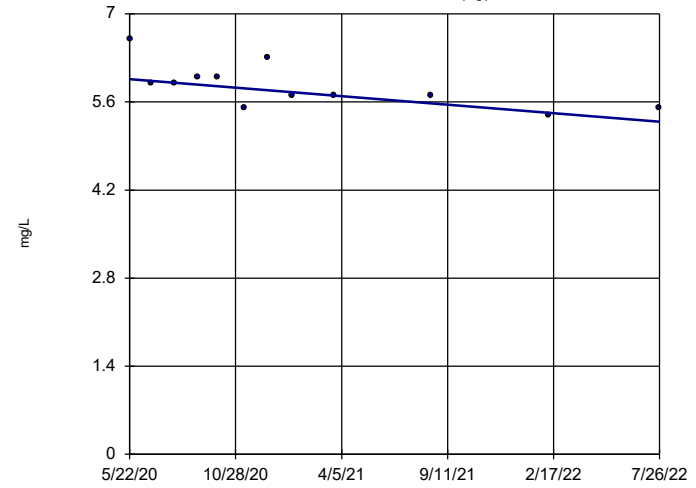


n = 8  
 Slope = -0.3057 units per year.  
 Mann-Kendall statistic = -5  
 critical = -21  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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)

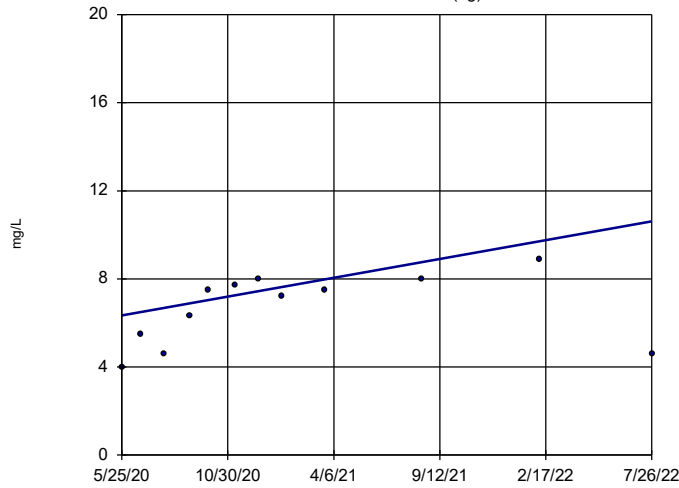


n = 12  
 Slope = -0.3104 units per year.  
 Mann-Kendall statistic = -34  
 critical = -38  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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)

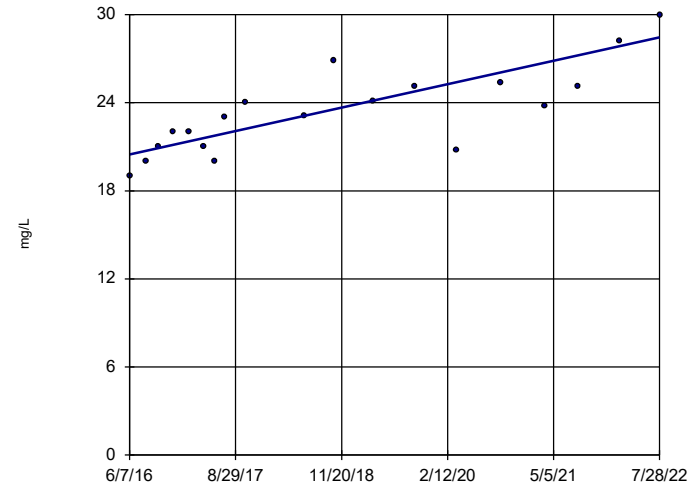


n = 12  
 Slope = 1.969 units per year.  
 Mann-Kendall statistic = 33  
 critical = 38  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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

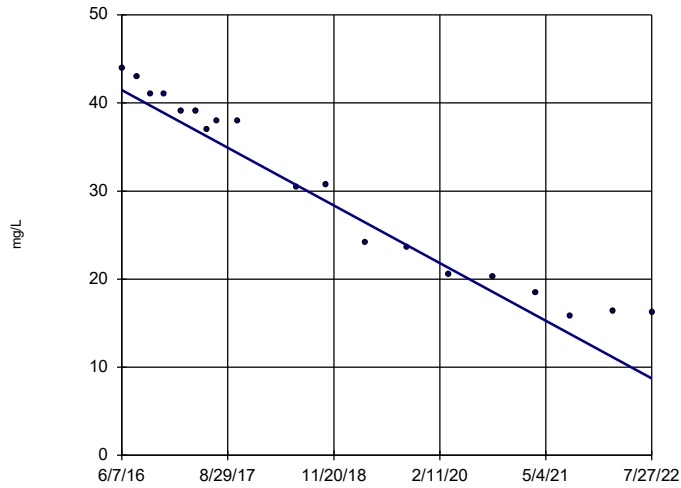
BGWC-10



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).

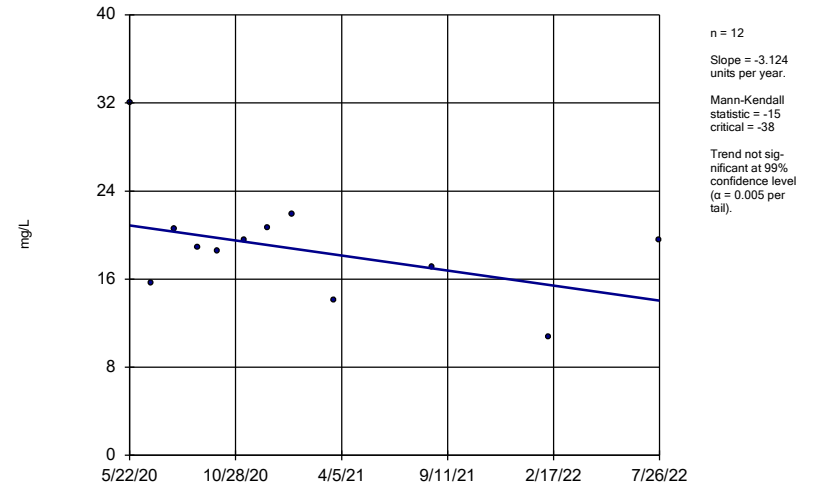
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-12



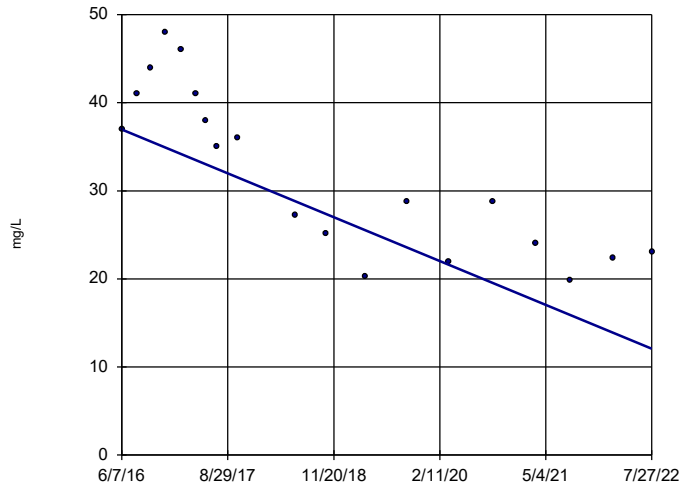
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-14A



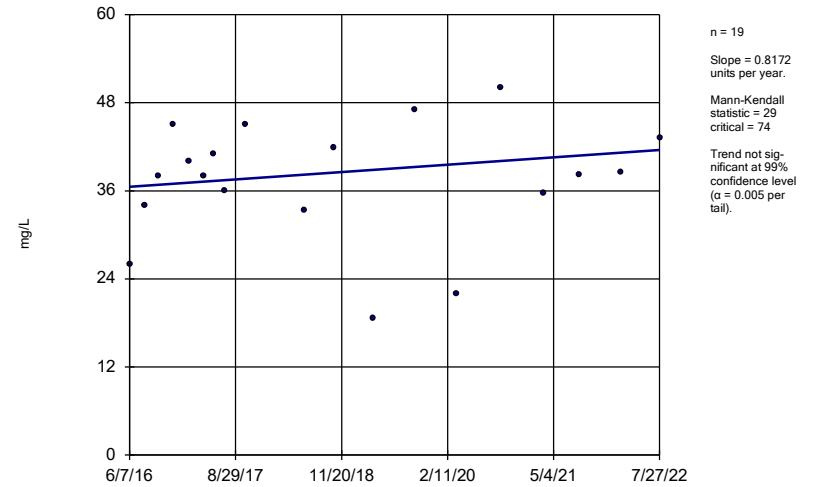
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-16



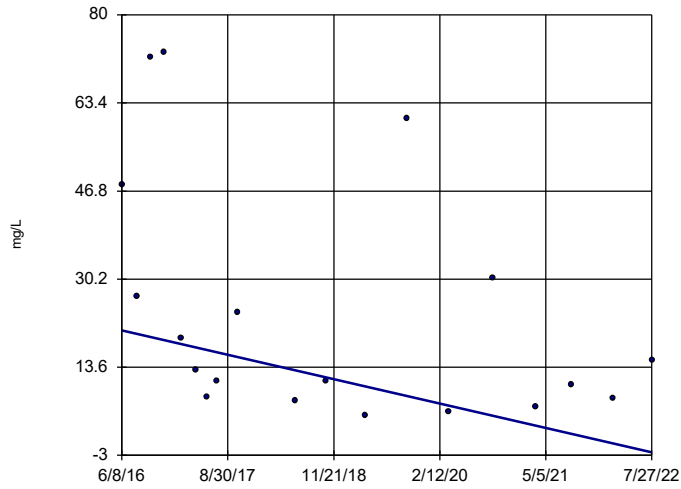
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### 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

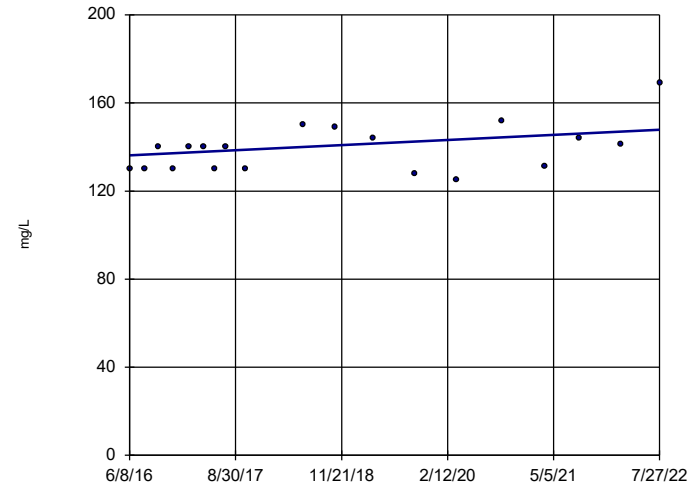
### Sen's Slope Estimator BGWC-18



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

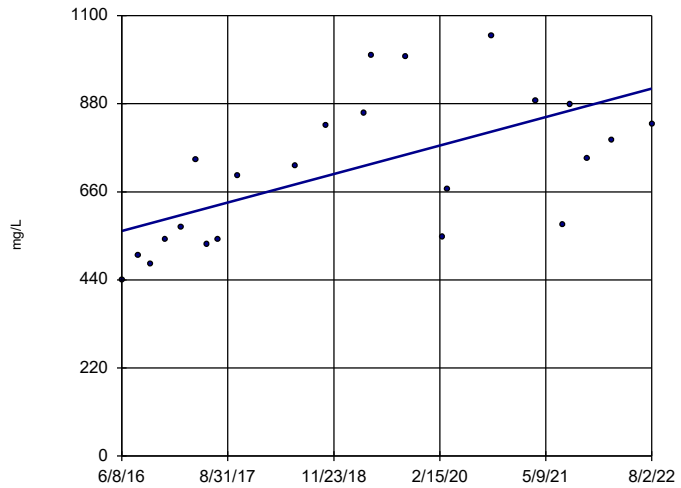
### Sen's Slope Estimator BGWC-20



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

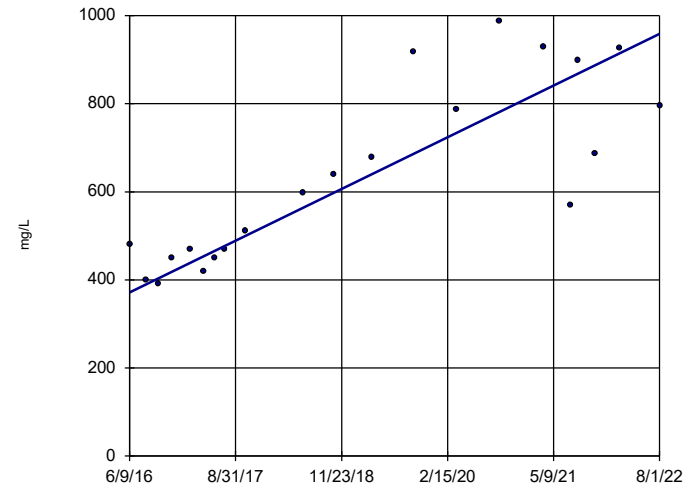
### Sen's Slope Estimator BGWC-22



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

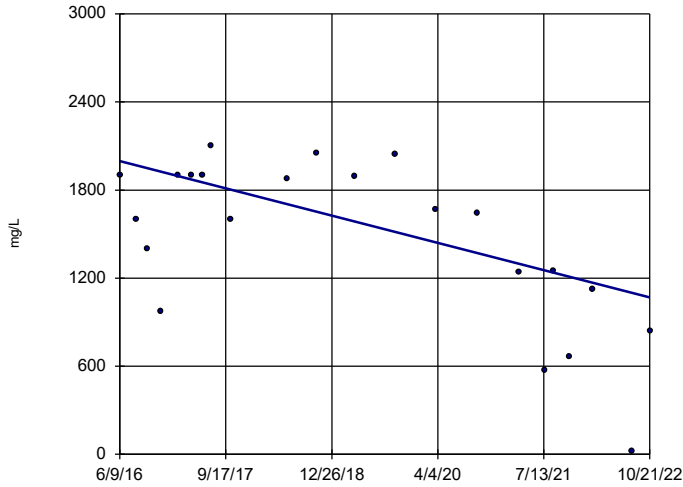
### Sen's Slope Estimator BGWC-23



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).

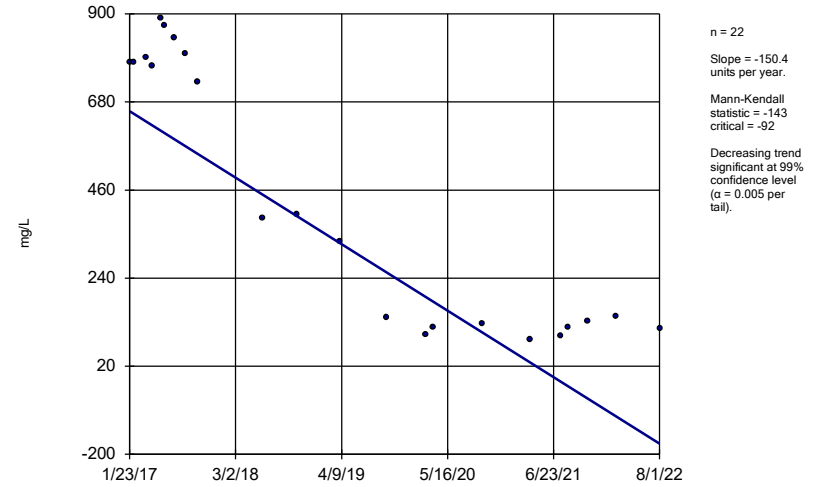
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-24



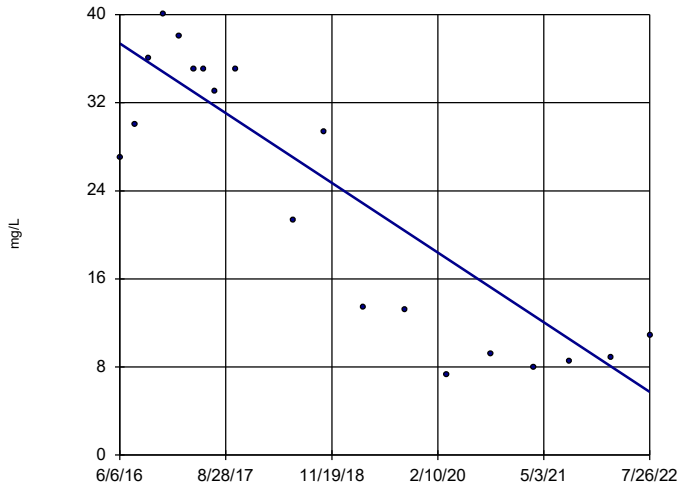
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-30



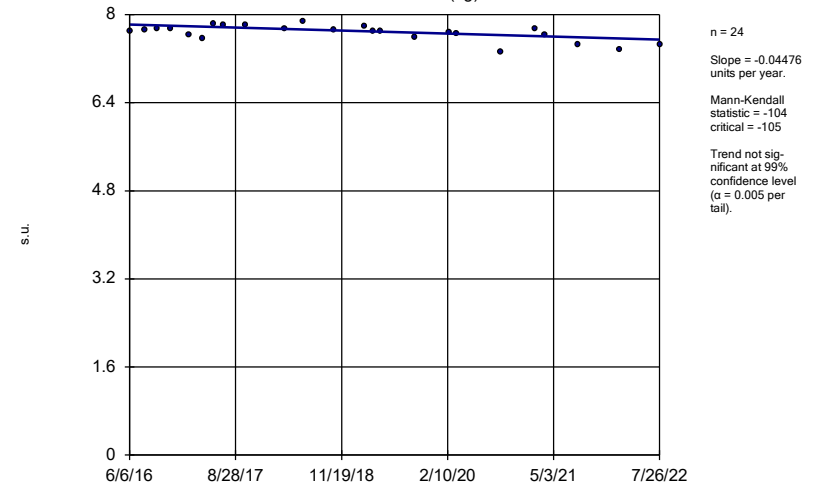
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-9



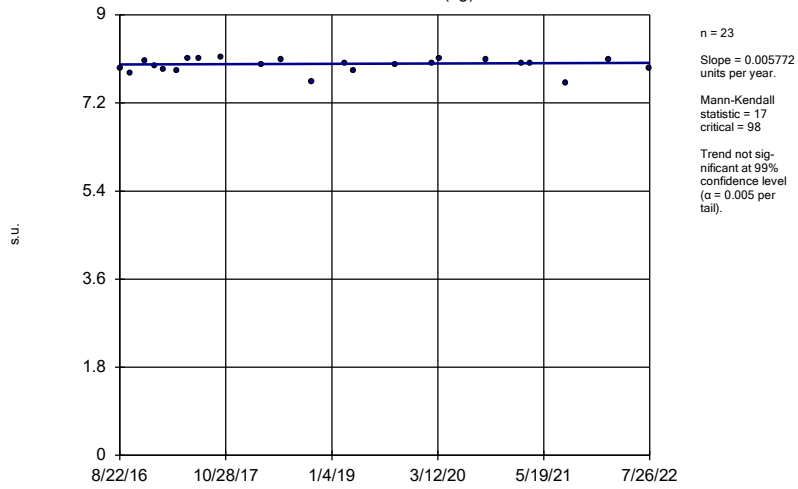
Constituent: Chloride Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWA-2 (bg)



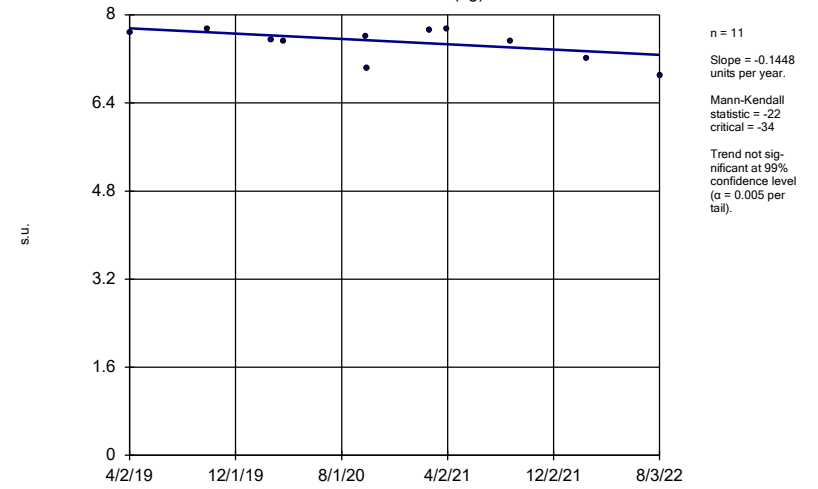
Constituent: pH Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWA-29 (bg)



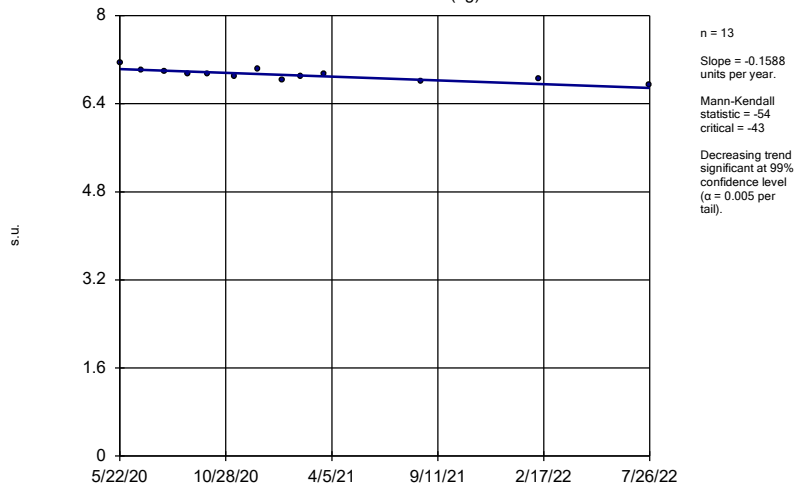
Constituent: pH Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWA-33 (bg)



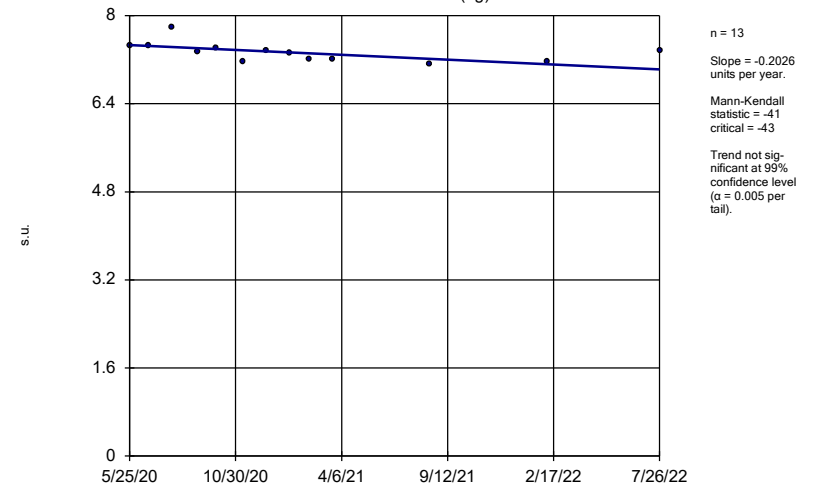
Constituent: pH Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWA-47D (bg)



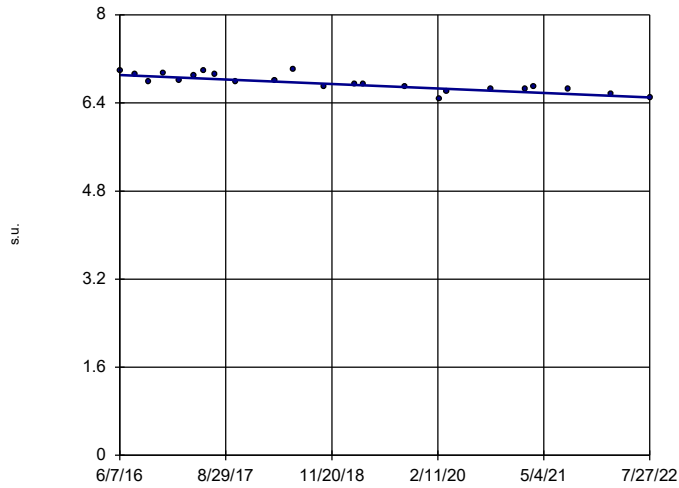
Constituent: pH Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWA-48D (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

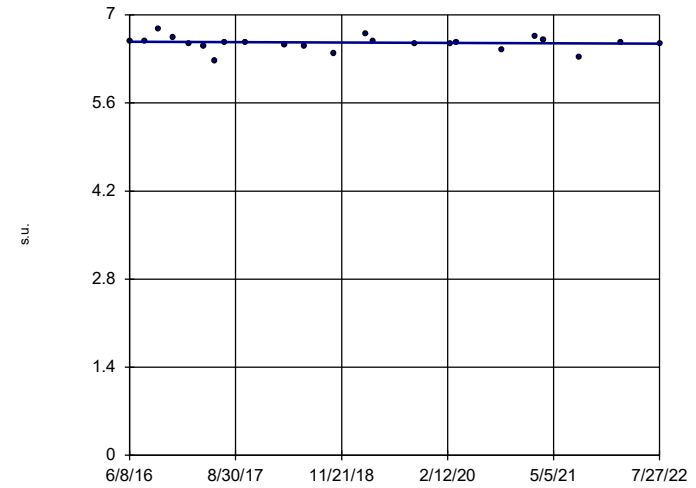
Sen's Slope Estimator  
BGWC-16



n = 23  
Slope = -0.06548  
units per year.  
Mann-Kendall  
statistic = -161  
critical = -98  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: pH Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

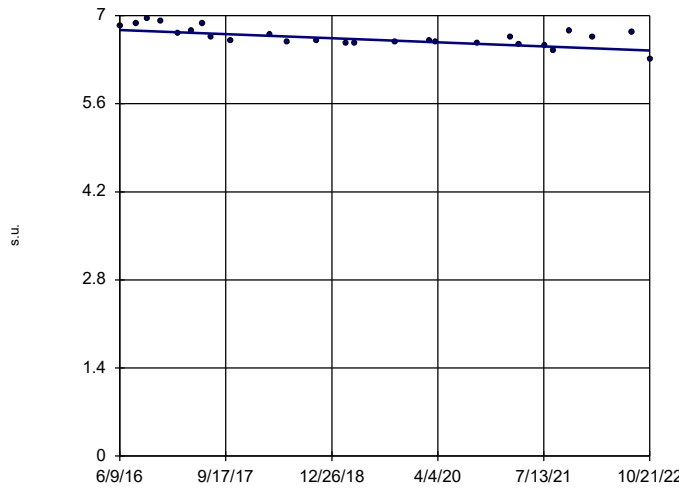
Sen's Slope Estimator  
BGWC-19



n = 23  
Slope = -0.005105  
units per year.  
Mann-Kendall  
statistic = -31  
critical = -98  
Trend not sign-  
ificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: pH Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

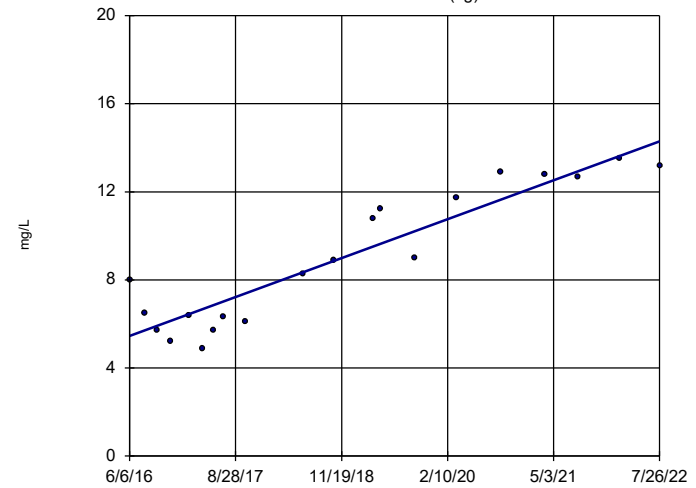
Sen's Slope Estimator  
BGWC-24



n = 26  
Slope = -0.05117  
units per year.  
Mann-Kendall  
statistic = -165  
critical = -118  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

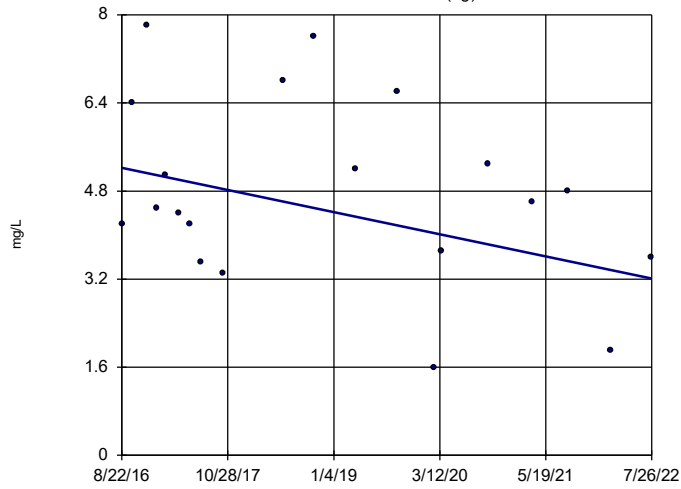


n = 20  
Slope = 1.439  
units per year.  
Mann-Kendall  
statistic = 131  
critical = 81  
Increasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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

BGWA-29 (bg)

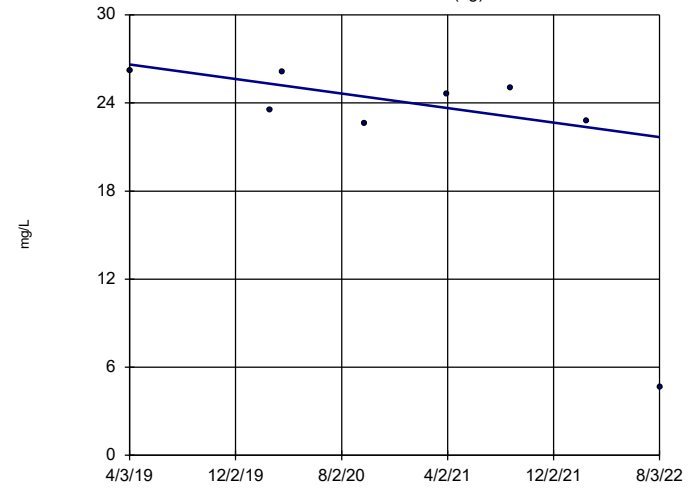


n = 20  
 Slope = -0.3385 units per year.  
 Mann-Kendall statistic = -39  
 critical = -81  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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)

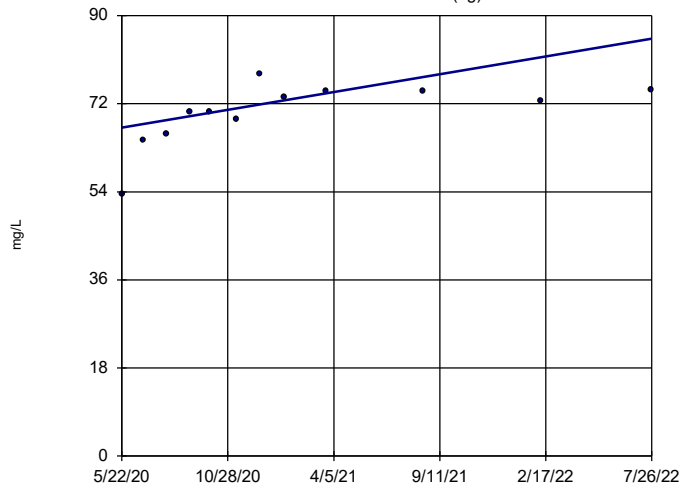


n = 8  
 Slope = -1.483 units per year.  
 Mann-Kendall statistic = -14  
 critical = -21  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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)

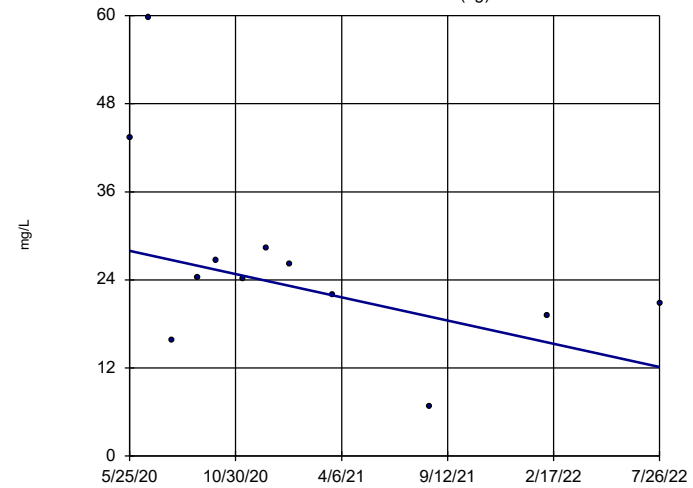


n = 12  
 Slope = 8.354 units per year.  
 Mann-Kendall statistic = 44  
 critical = 38  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

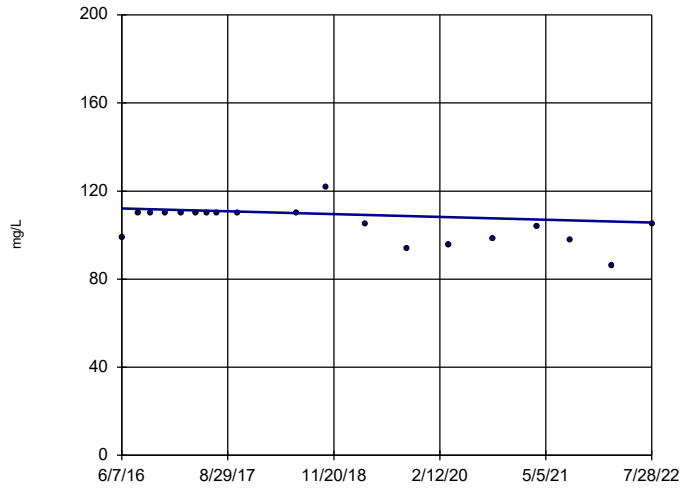
BGWA-48D (bg)



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

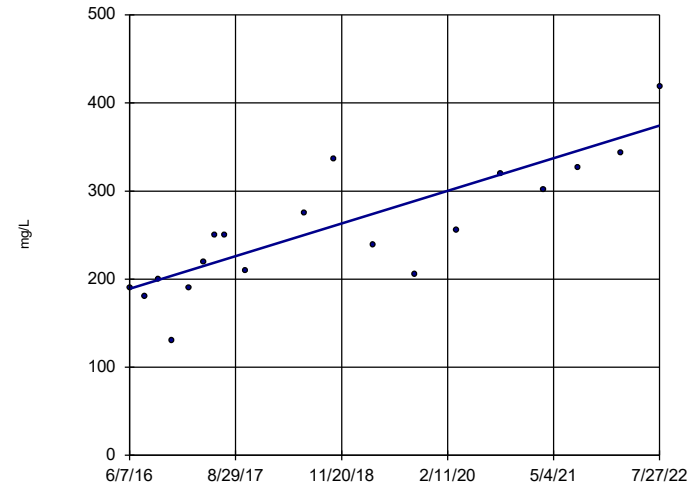
### Sen's Slope Estimator BGWC-10



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

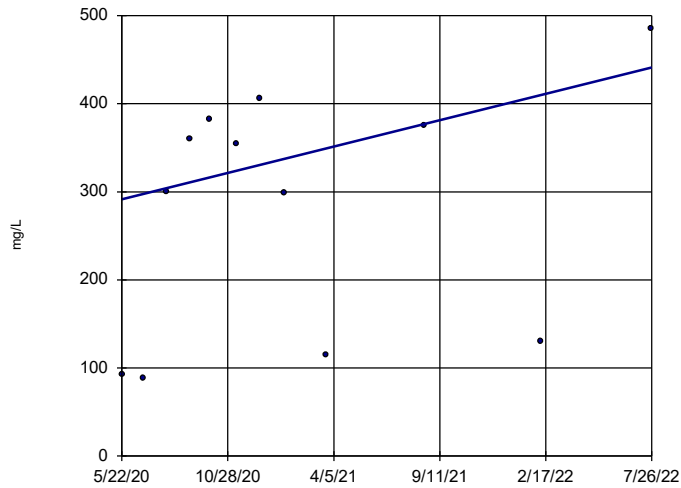
### Sen's Slope Estimator BGWC-12



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

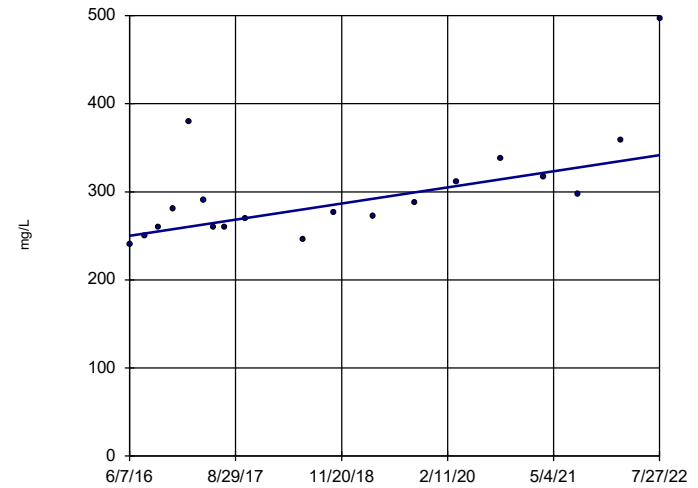
### Sen's Slope Estimator BGWC-14A



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



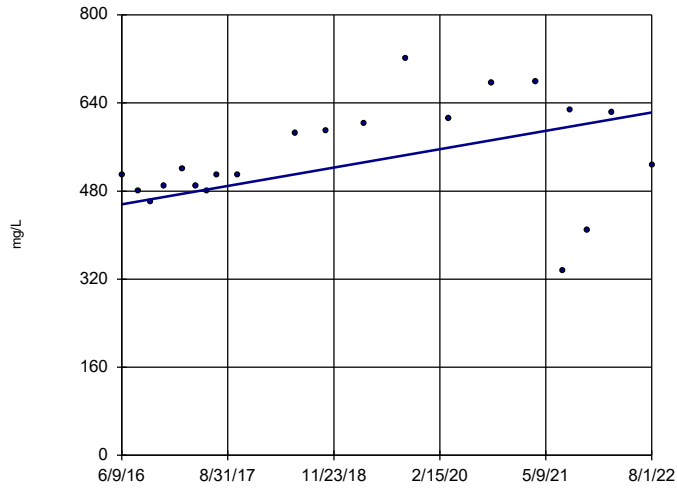
n = 19  
 Slope = 14.92  
 units per year.  
 Mann-Kendall  
 statistic = 96  
 critical = 74  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Sulfate Analysis Run 11/15/2022 7:56 PM View: Appendix III - Trend Test  
 Plant Bowen Client: Southern Company Data: Bowen AP-1



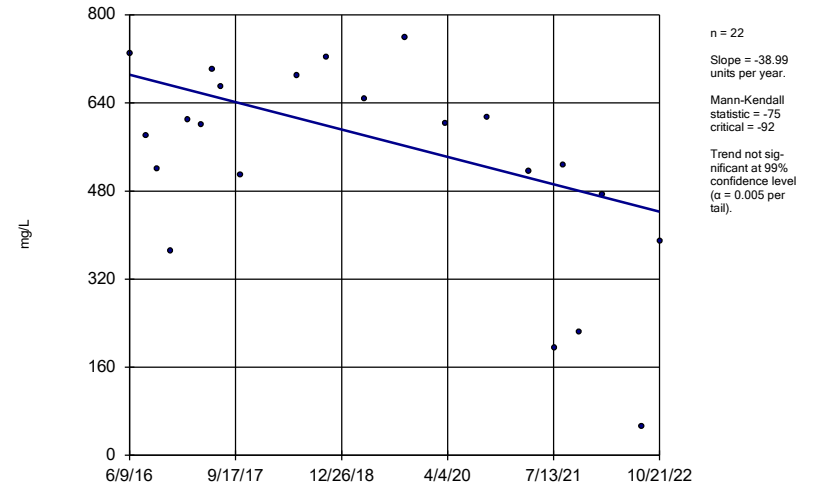


### Sen's Slope Estimator BGWC-23



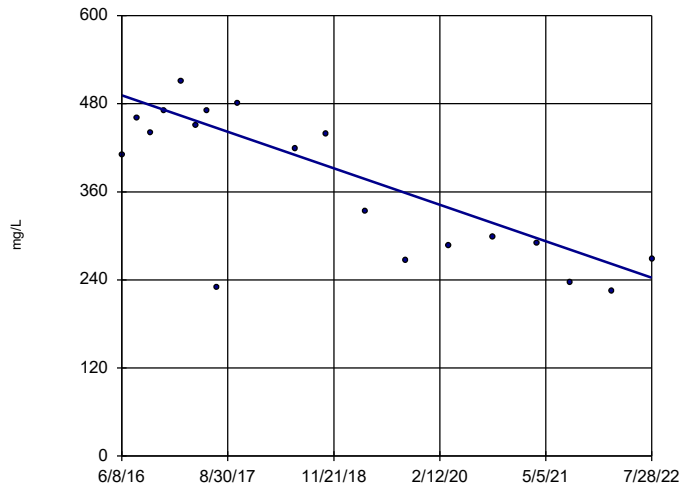
Constituent: Sulfate Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-24



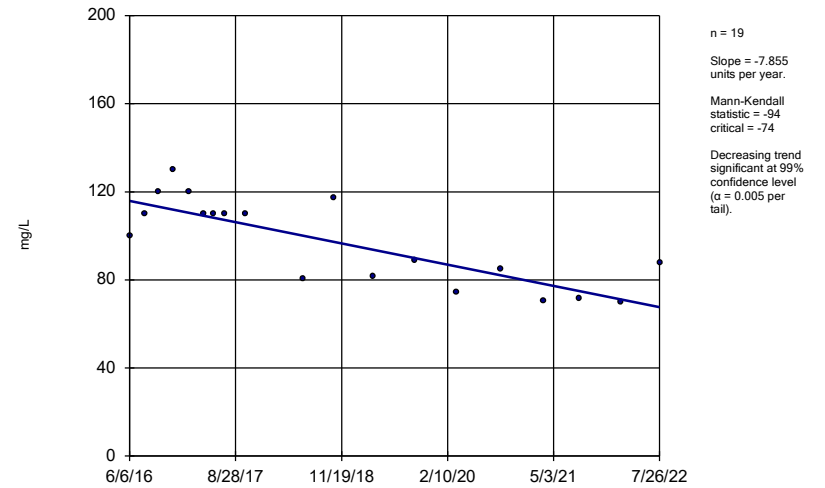
Constituent: Sulfate Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-7



Constituent: Sulfate Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

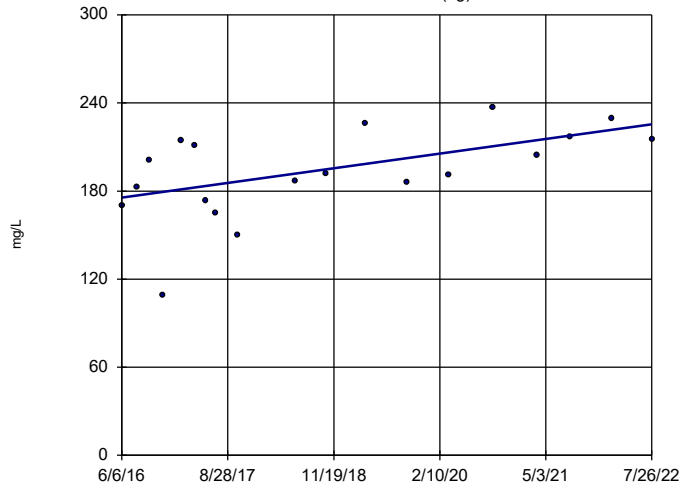
### Sen's Slope Estimator BGWC-9



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

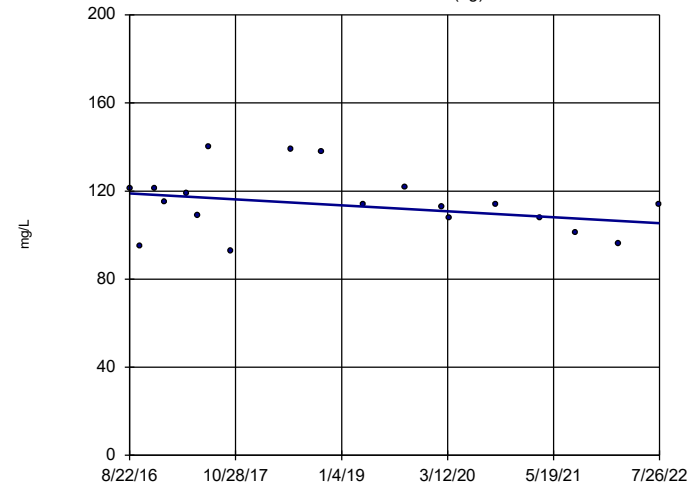
BGWA-2 (bg)



n = 19  
 Slope = 8.12  
 units per year.  
 Mann-Kendall  
 statistic = 73  
 critical = 74  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

### Sen's Slope Estimator

BGWA-29 (bg)



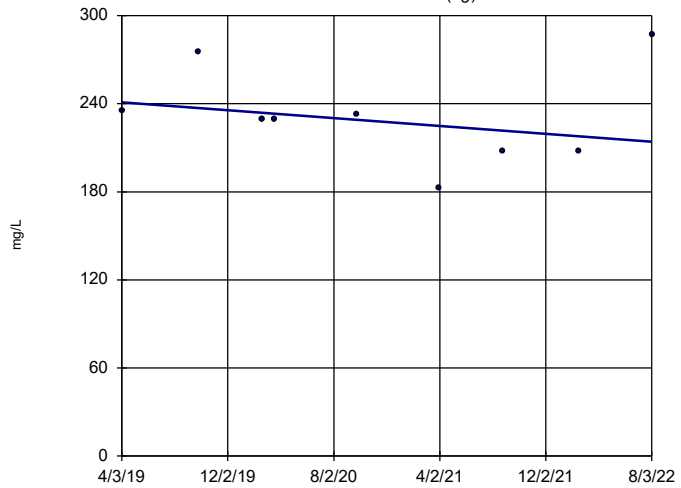
n = 19  
 Slope = -2.288  
 units per year.  
 Mann-Kendall  
 statistic = -46  
 critical = -74  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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

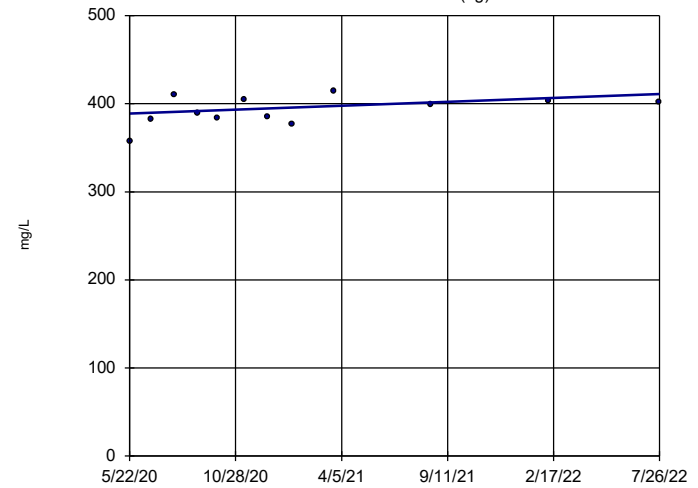
BGWA-33 (bg)



n = 9  
 Slope = -8.072  
 units per year.  
 Mann-Kendall  
 statistic = -8  
 critical = -25  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

### Sen's Slope Estimator

BGWA-47D (bg)



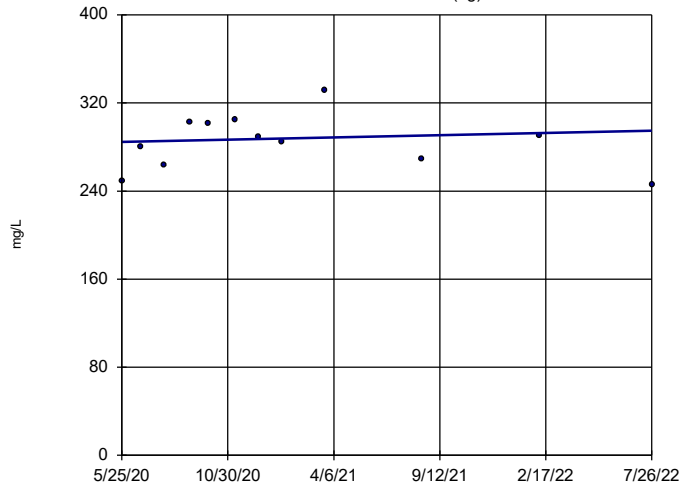
n = 12  
 Slope = 10.2  
 units per year.  
 Mann-Kendall  
 statistic = 20  
 critical = 38  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

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)

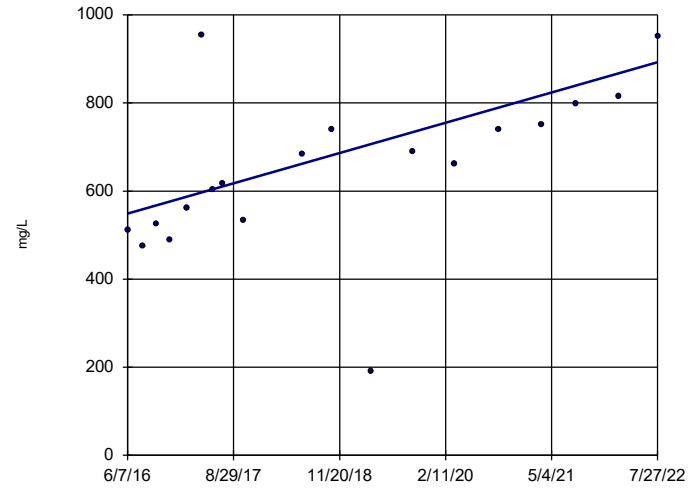


n = 12  
 Slope = 4.746 units per year.  
 Mann-Kendall statistic = 4  
 critical = 38  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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

### Sen's Slope Estimator

BGWC-12

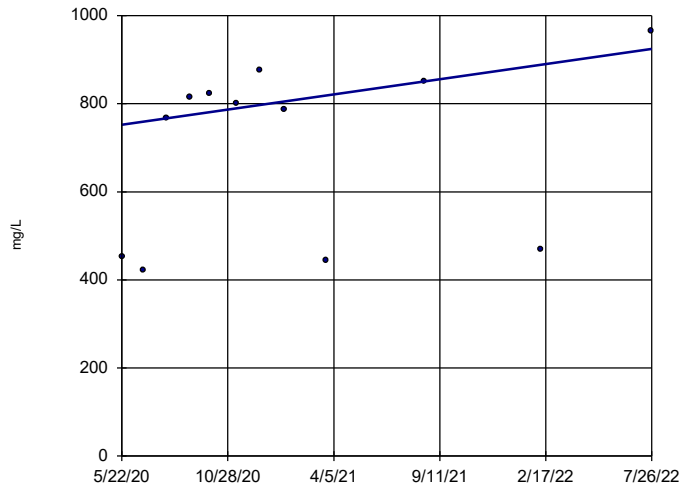


n = 19  
 Slope = 55.89 units per year.  
 Mann-Kendall statistic = 105  
 critical = 74  
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

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

### Sen's Slope Estimator

BGWC-14A

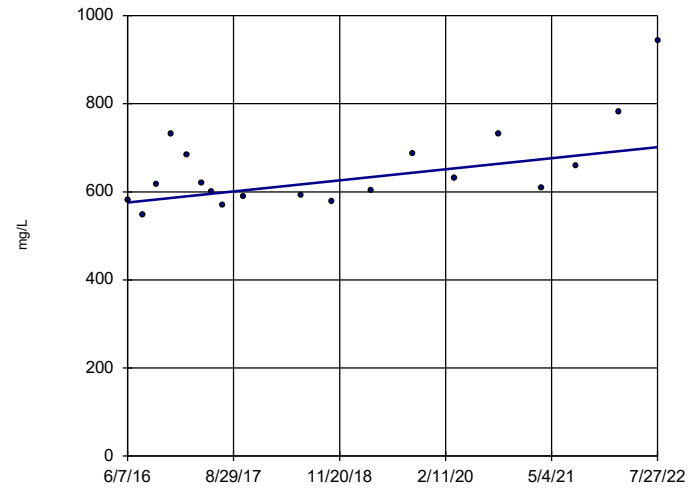


n = 12  
 Slope = 79.17 units per year.  
 Mann-Kendall statistic = 22  
 critical = 38  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

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

### Sen's Slope Estimator

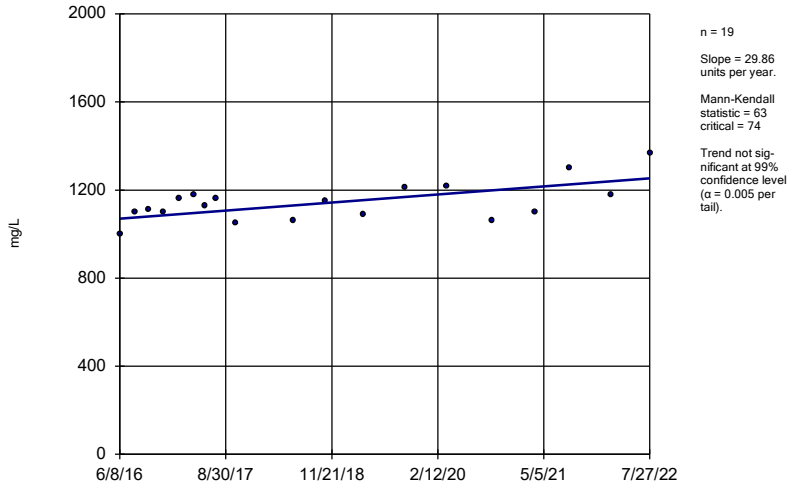
BGWC-16



n = 19  
 Slope = 20.37 units per year.  
 Mann-Kendall statistic = 69  
 critical = 74  
 Trend not significant at 99% confidence level (α = 0.005 per tail).

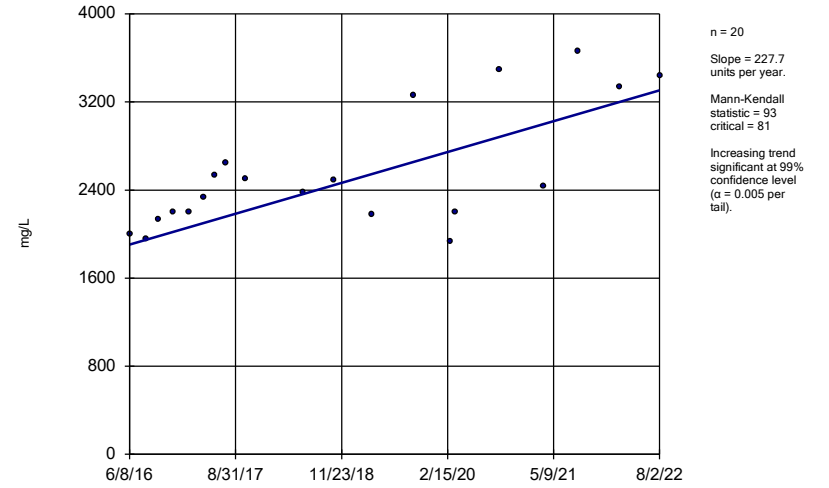
Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-20



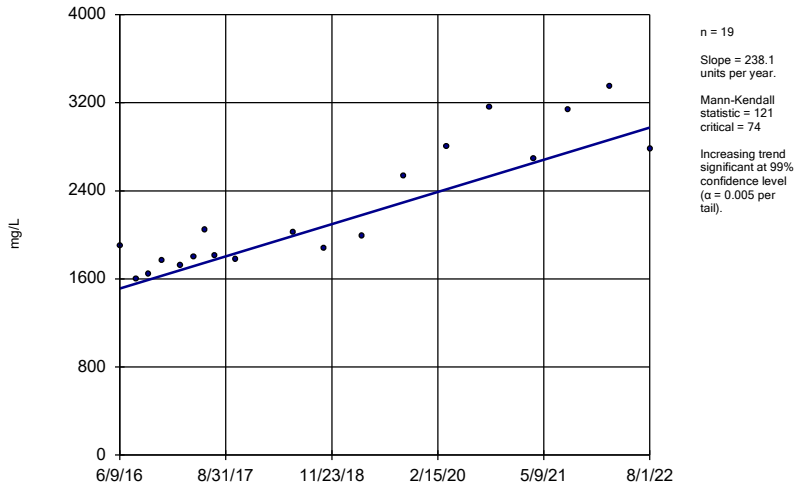
Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-22



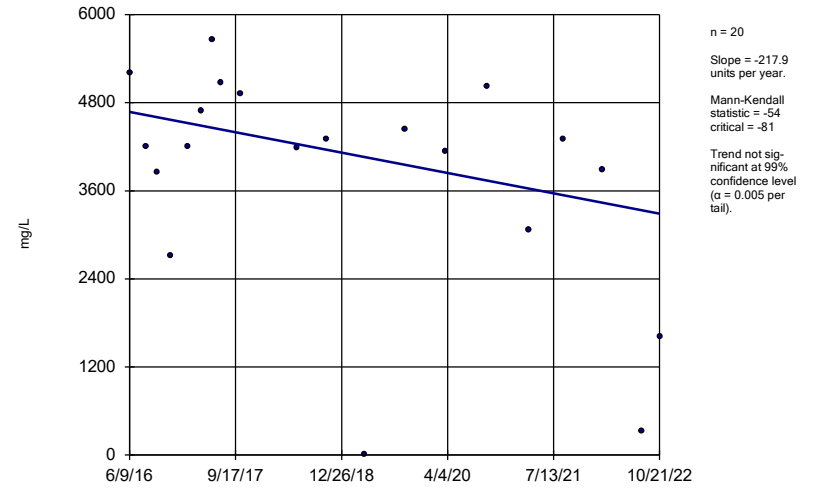
Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-23



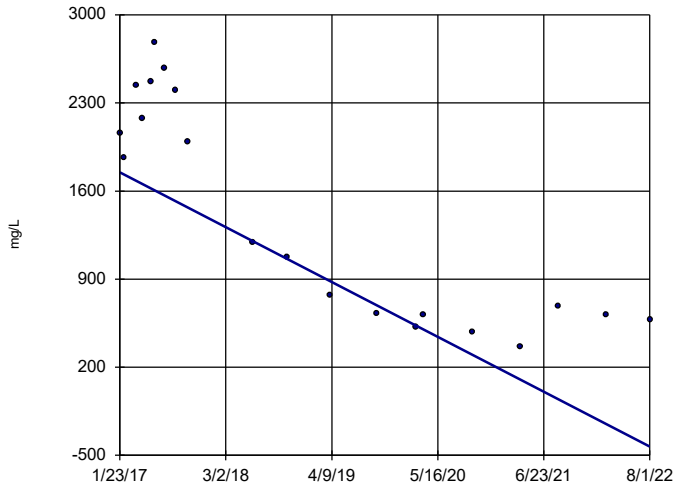
Constituent: Total Dissolved Solids Analysis Run 11/15/2022 7:57 PM View: Appendix III - Trend Test  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Sen's Slope Estimator BGWC-24



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

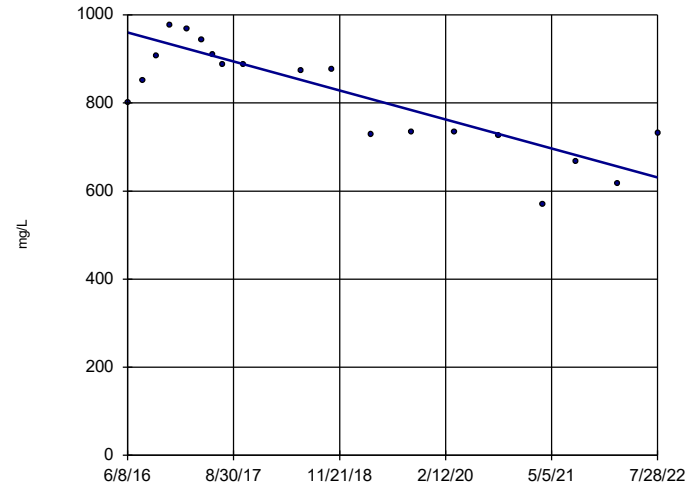
### Sen's Slope Estimator BGWC-30



n = 20  
 Slope = -394.4  
 units per year.  
 Mann-Kendall  
 statistic = -120  
 critical = -81  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  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

### Sen's Slope Estimator BGWC-7



n = 19  
 Slope = -53.6  
 units per year.  
 Mann-Kendall  
 statistic = -103  
 critical = -74  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  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

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.

<b>BOWEN ASH POND 1 GWPS</b>				
<b>Constituent Name</b>	<b>MCL</b>	<b>CCR-Rule Specified</b>	<b>Background Limit</b>	<b>GWPS</b>
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.
<b>Arsenic (mg/L)</b>	<b>BGWC-34D</b>	<b>0.01848</b>	<b>0.01522</b>	<b>0.01</b>	<b>Yes</b>	<b>13</b>	<b>0.01685</b>	<b>0.002193</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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)
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.02671</b>	<b>0.01664</b>	<b>0.006</b>	<b>Yes</b>	<b>25</b>	<b>0.02168</b>	<b>0.01011</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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.
<b>Molybdenum (mg/L)</b>	<b>BGWC-43D</b>	<b>0.2157</b>	<b>0.1354</b>	<b>0.1</b>	<b>Yes</b>	<b>9</b>	<b>0.1756</b>	<b>0.04157</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.01</b>	<b>Param.</b>
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)

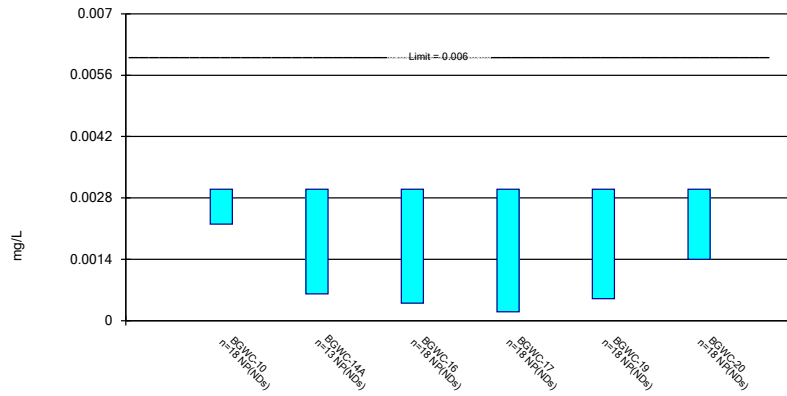
# Confidence Intervals - All Results

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

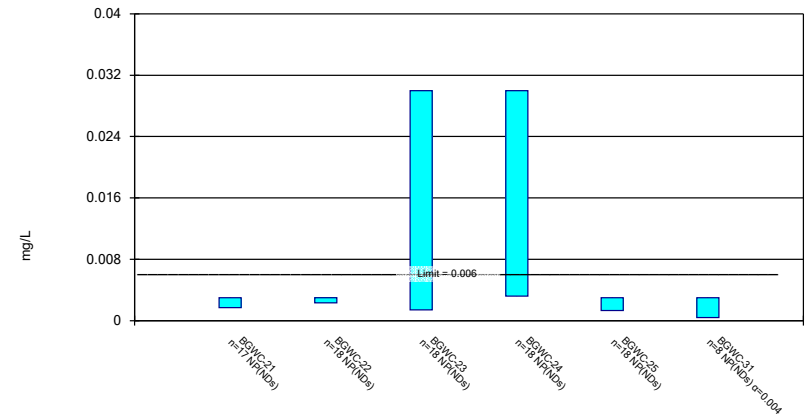
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Constituent: Antimony Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

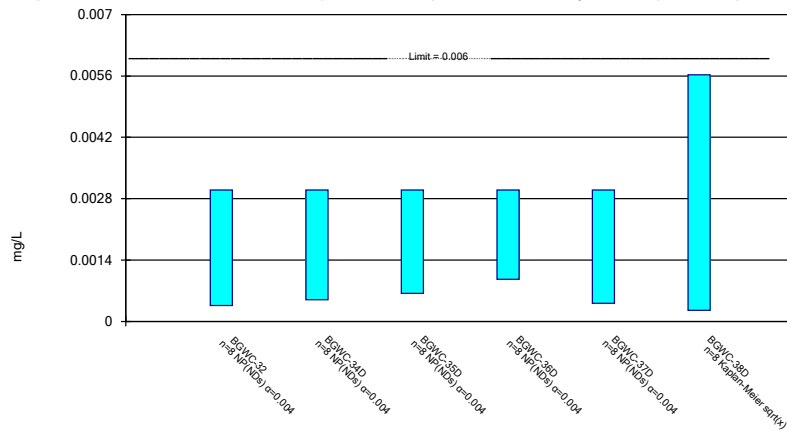
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Constituent: Antimony Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

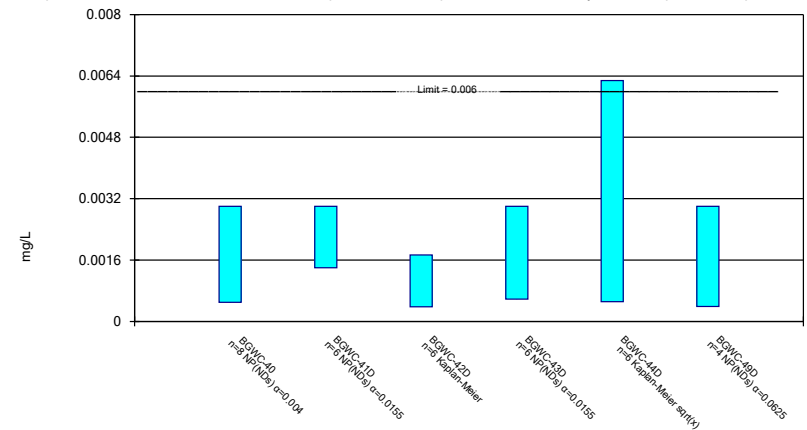
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Constituent: Antimony Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

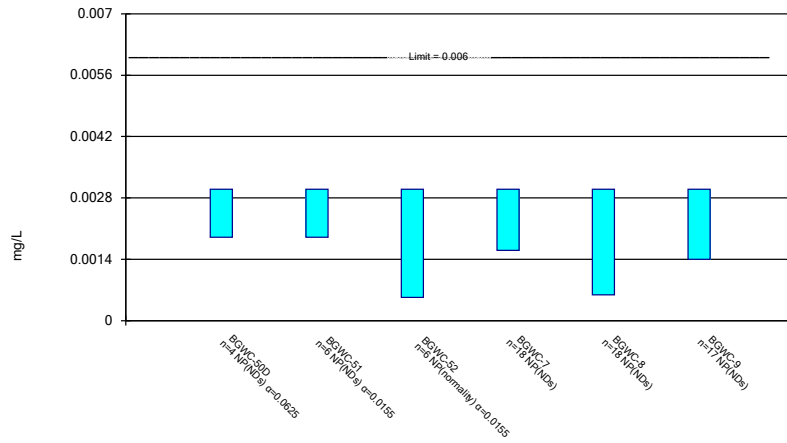
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Constituent: Antimony Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

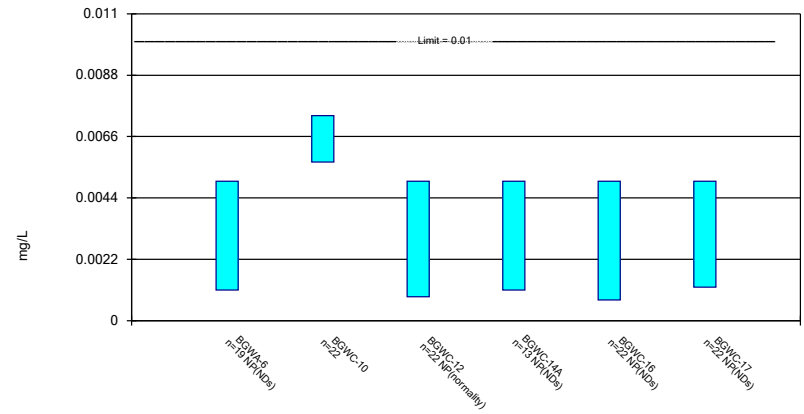
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Constituent: Antimony Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

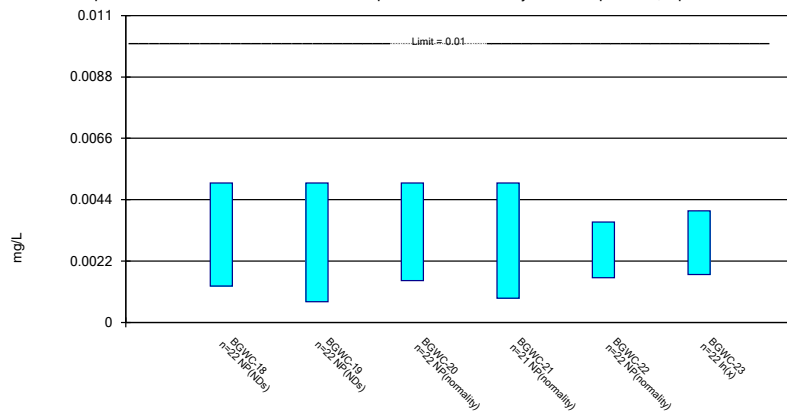
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Constituent: Arsenic Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

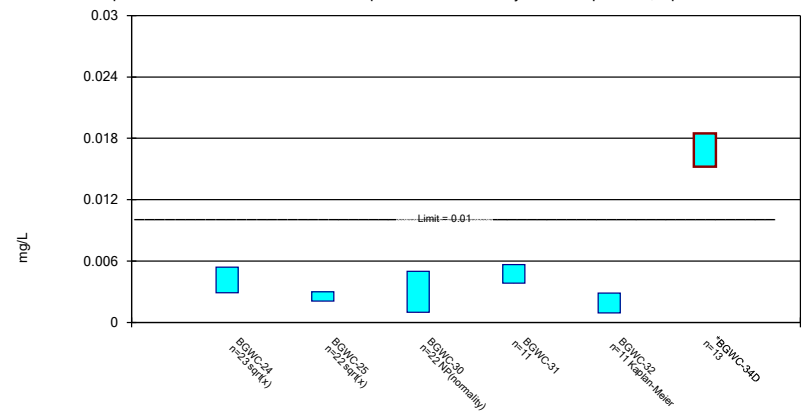
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Constituent: Arsenic Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

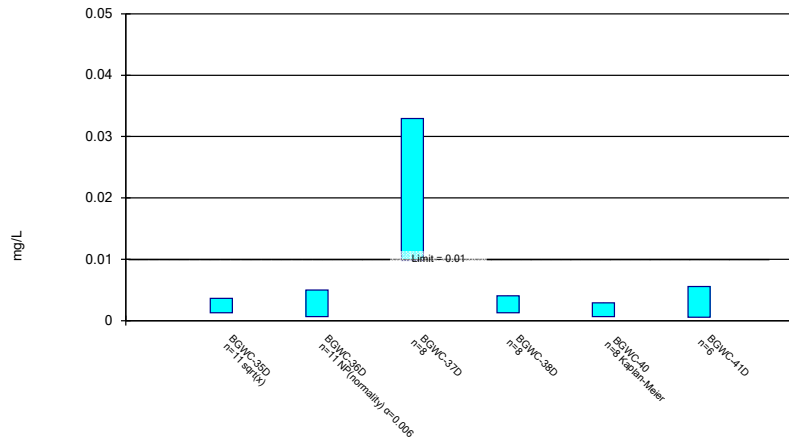
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Constituent: Arsenic Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

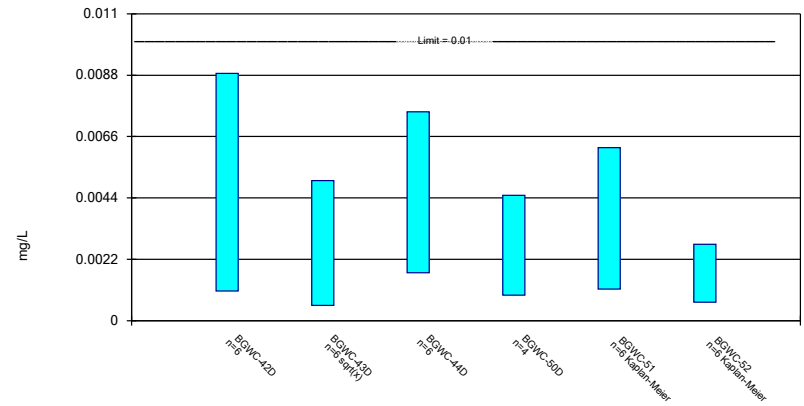
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Constituent: Arsenic Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric Confidence Interval

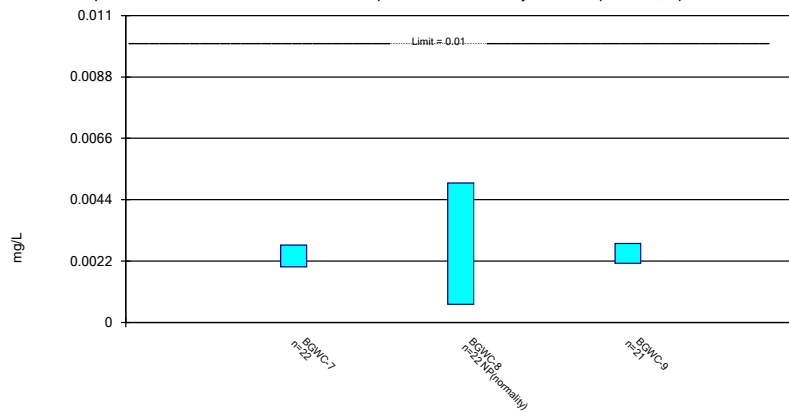
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Constituent: Arsenic Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

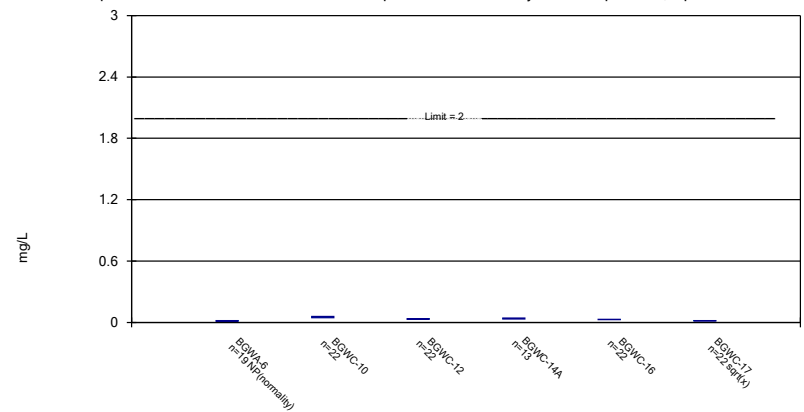
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Constituent: Arsenic Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

Parametric and Non-Parametric (NP) Confidence Interval

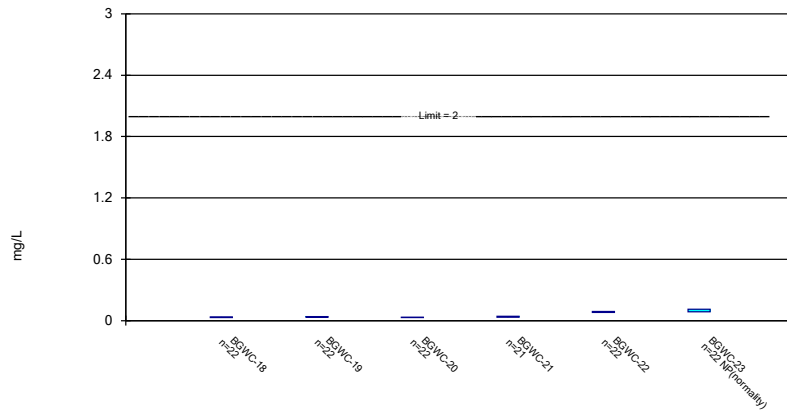
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

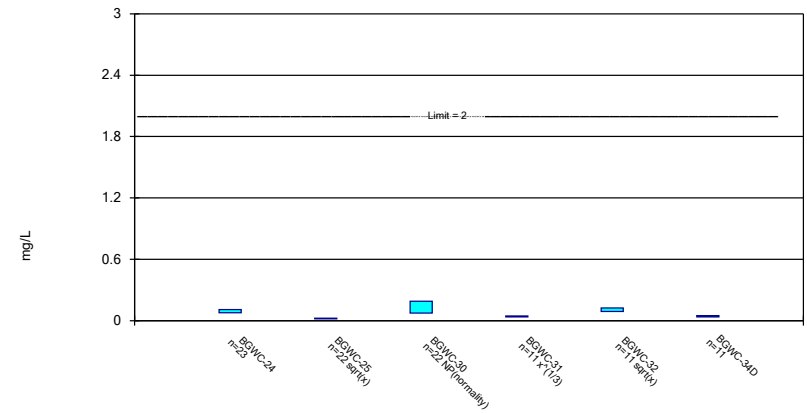
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

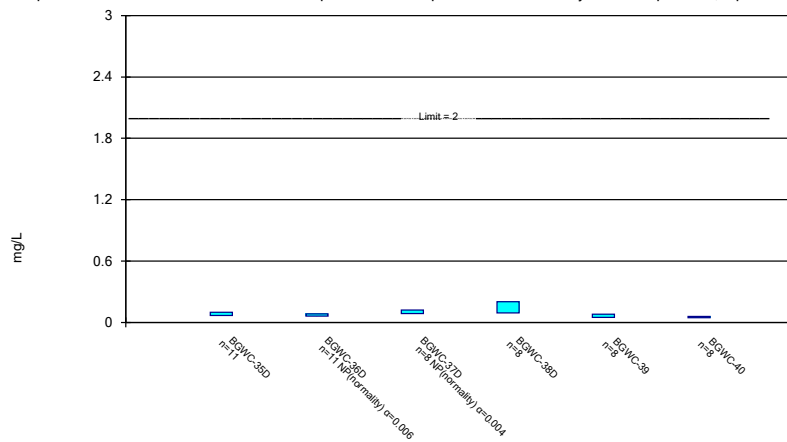
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

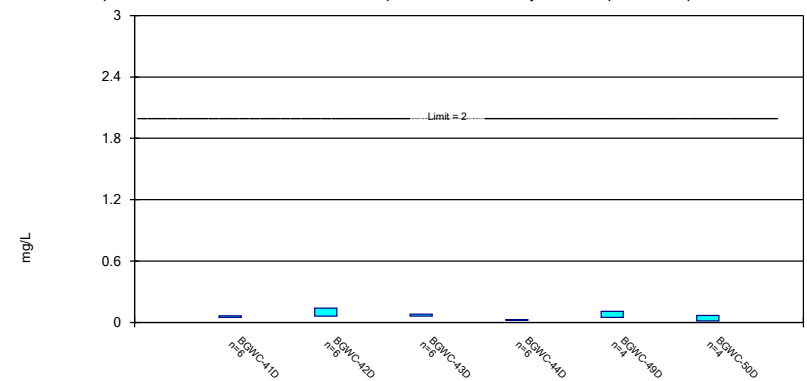
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric Confidence Interval

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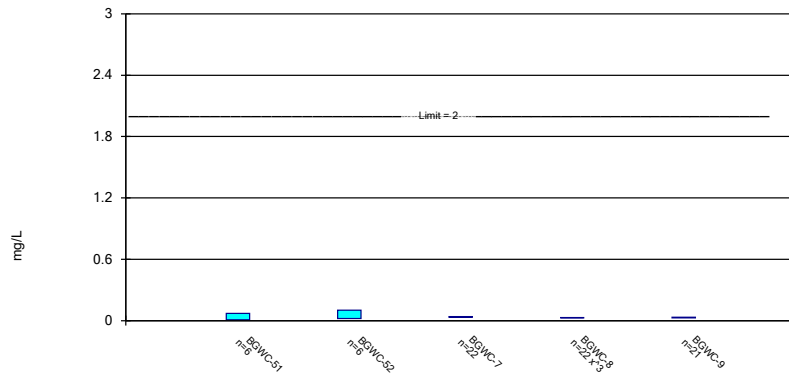


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 Plant Bowen Client: Southern Company Data: Bowen AP-1



### Parametric Confidence Interval

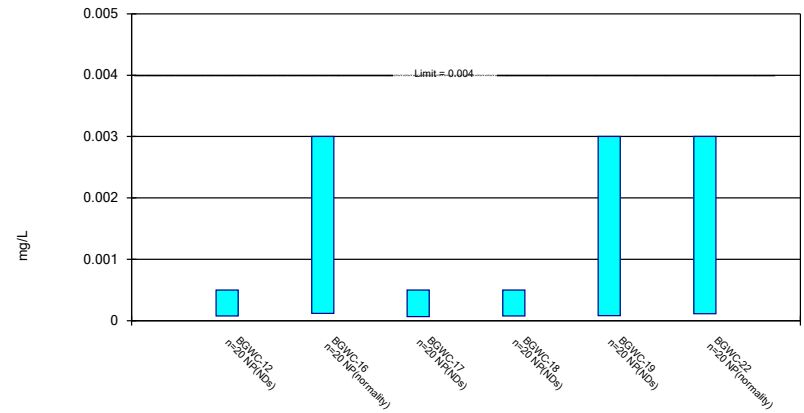
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Constituent: Barium Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

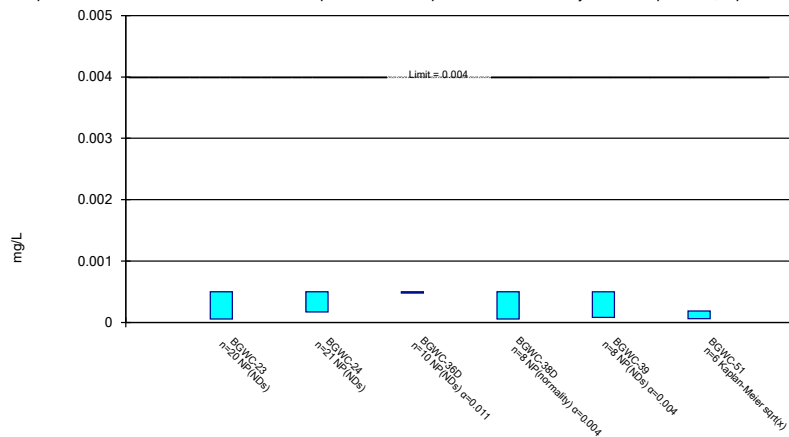
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Constituent: Beryllium Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

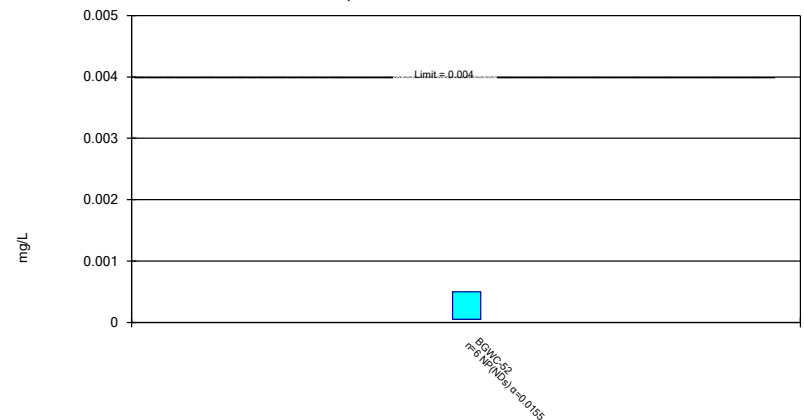
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Constituent: Beryllium Analysis Run 4/18/2023 12:35 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

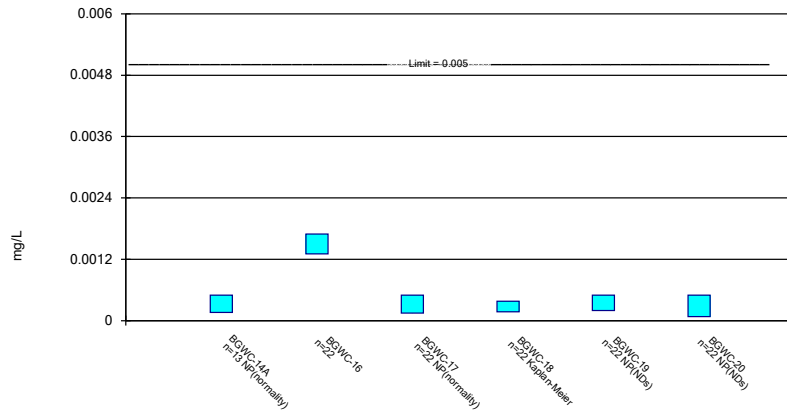
Compliance Limit is not exceeded.



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

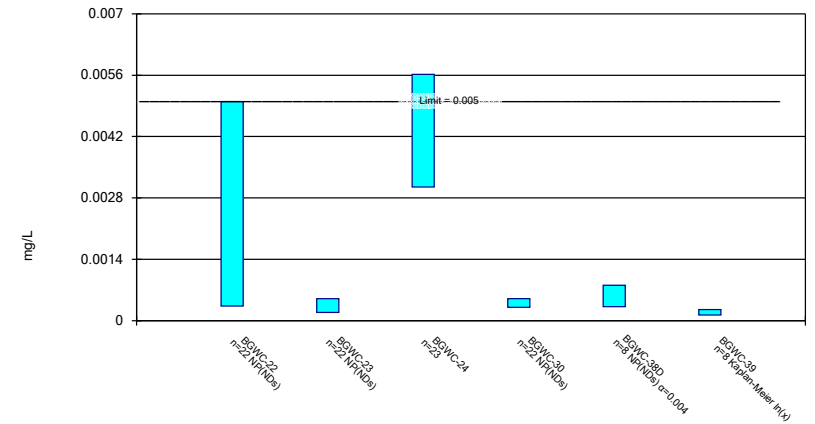
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

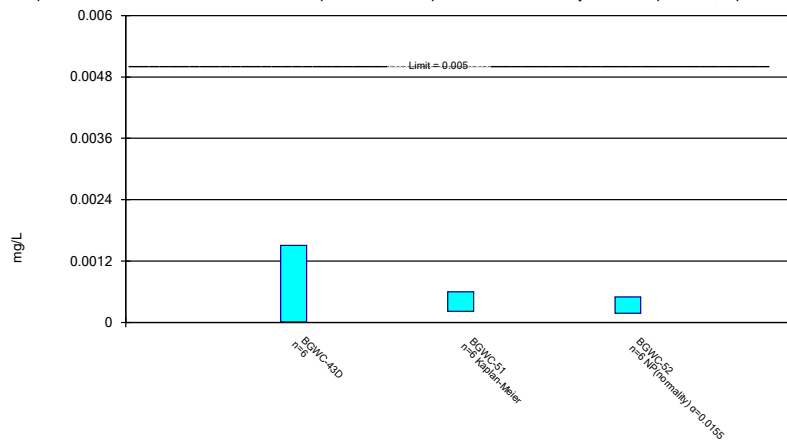
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Cadmium Analysis Run 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

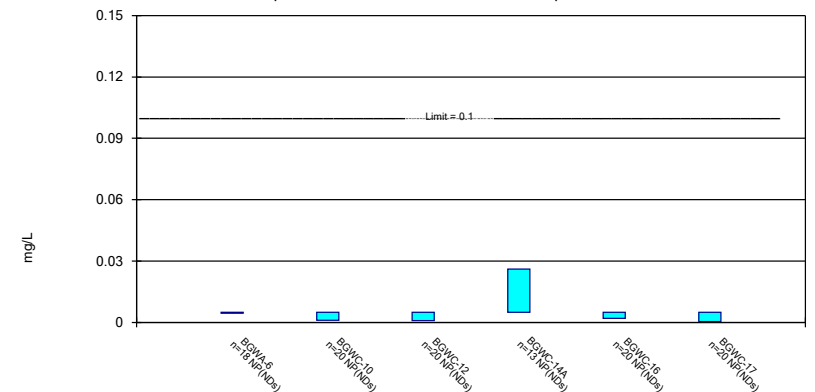
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: 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

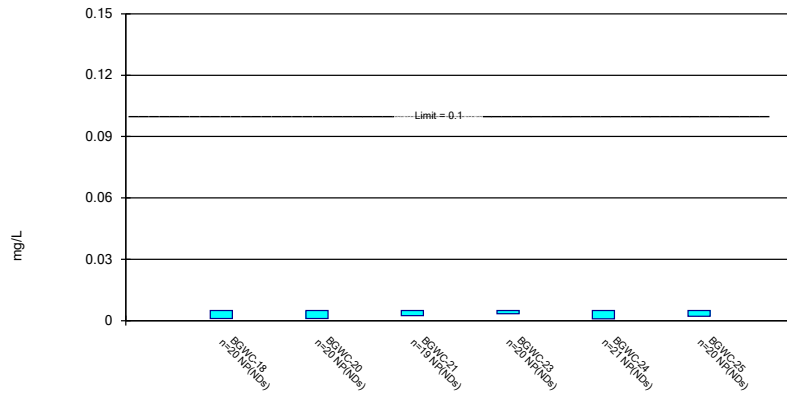
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 4/18/2023 12:36 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

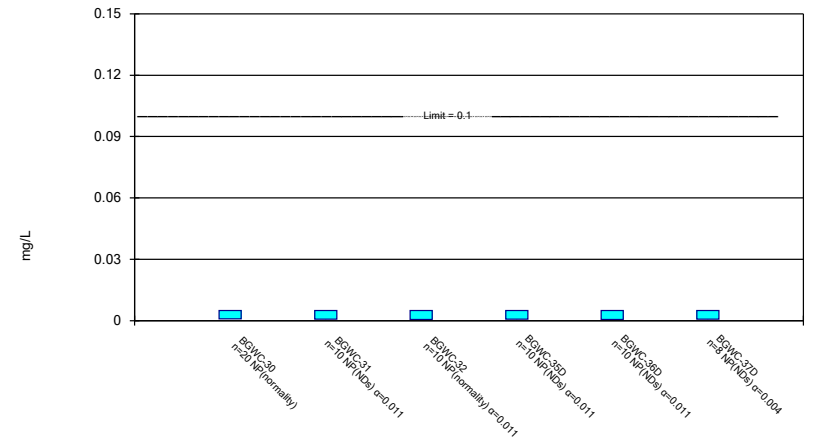
Compliance Limit is not exceeded. Per-well alpha = 0.01.



Constituent: Chromium Analysis Run 4/18/2023 12:36 PM View: Appendix IV  
Plant Bowen Client: Southern Company Data: Bowen AP-1

### Non-Parametric Confidence Interval

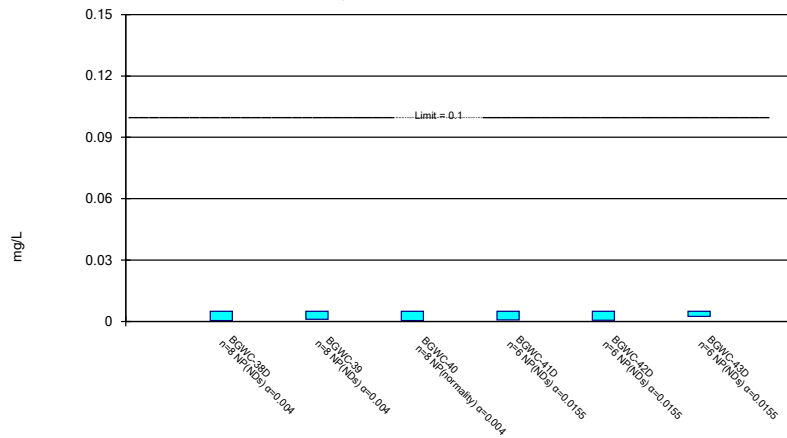
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



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

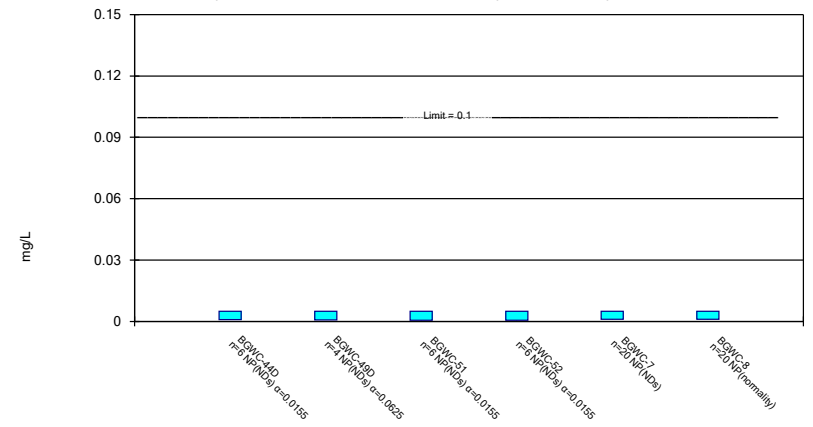
Compliance Limit is not exceeded.



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

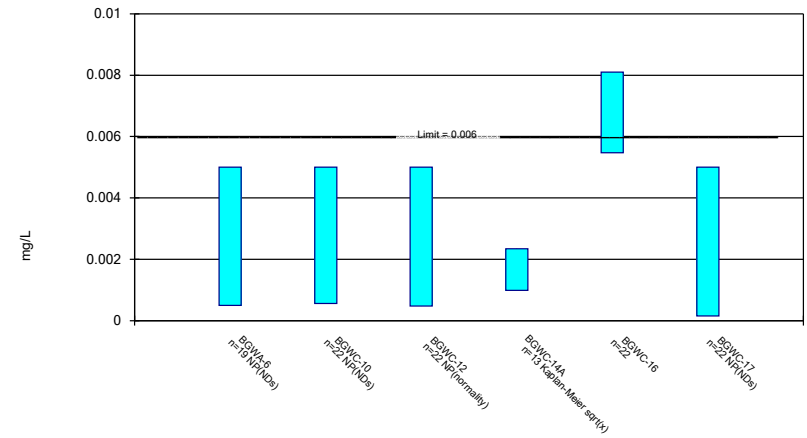
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

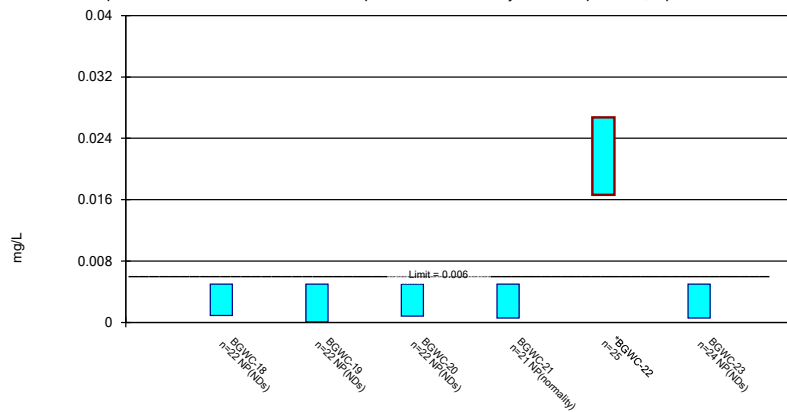
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

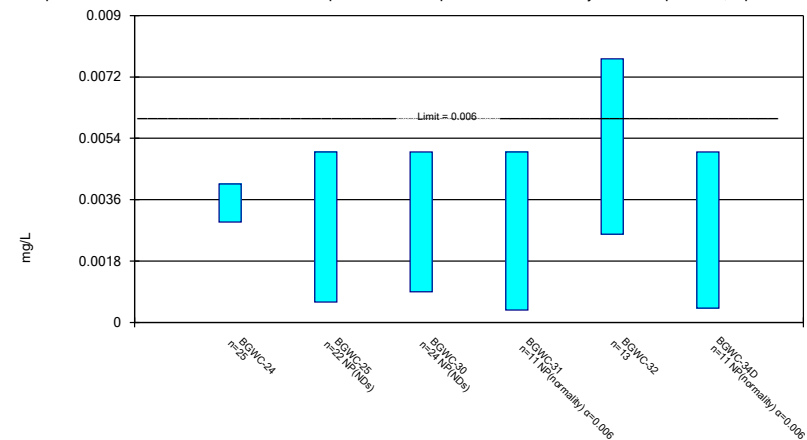
Compliance limit is exceeded.\* Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

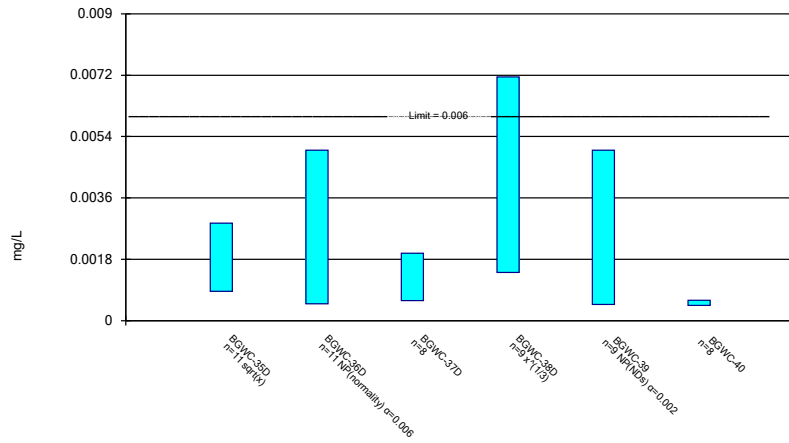
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

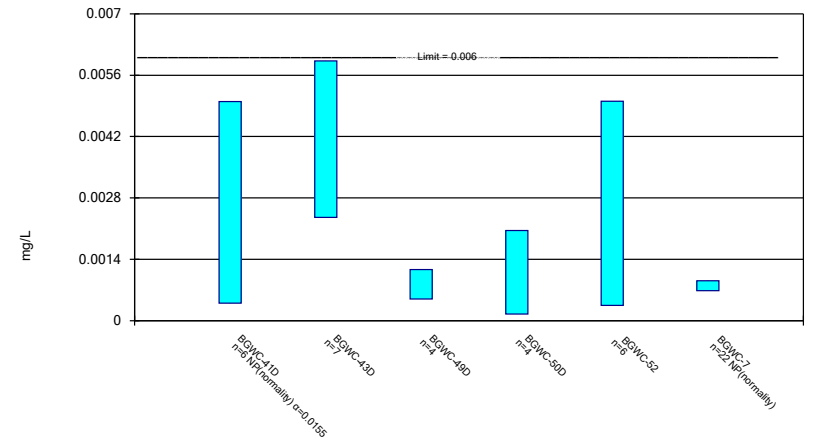
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

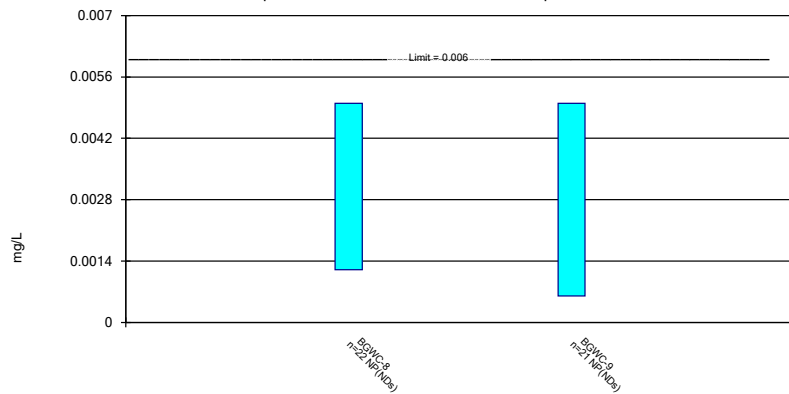
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

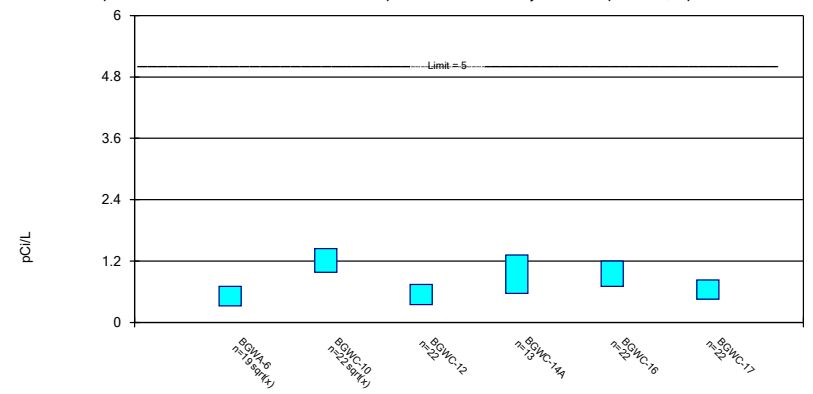
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

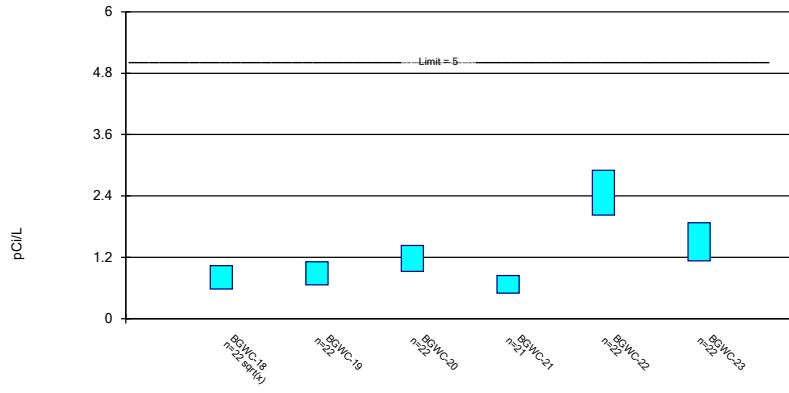
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

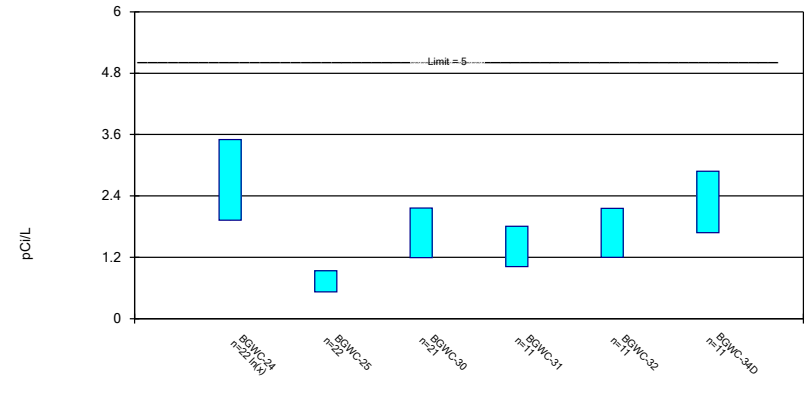
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

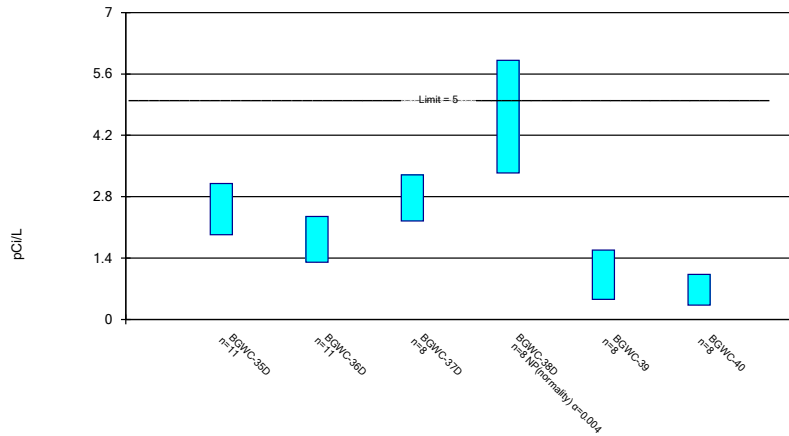
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

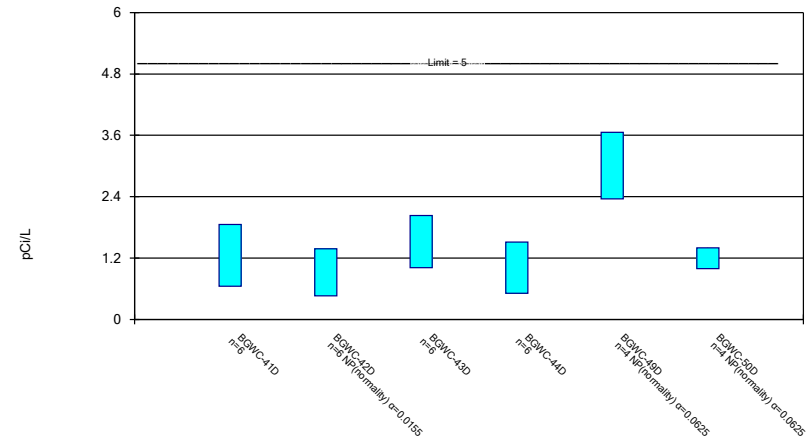
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

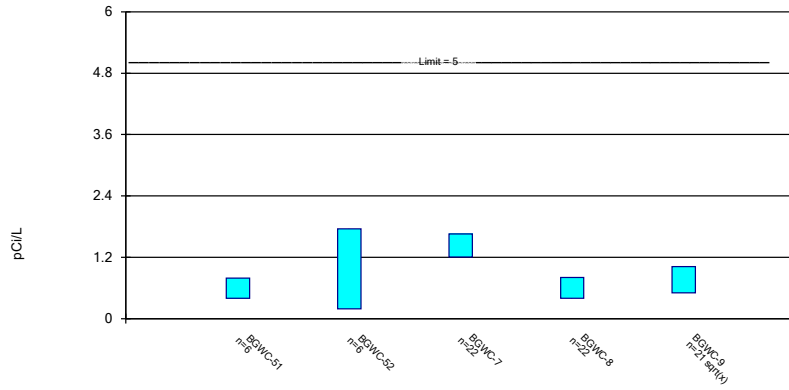
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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 Confidence Interval

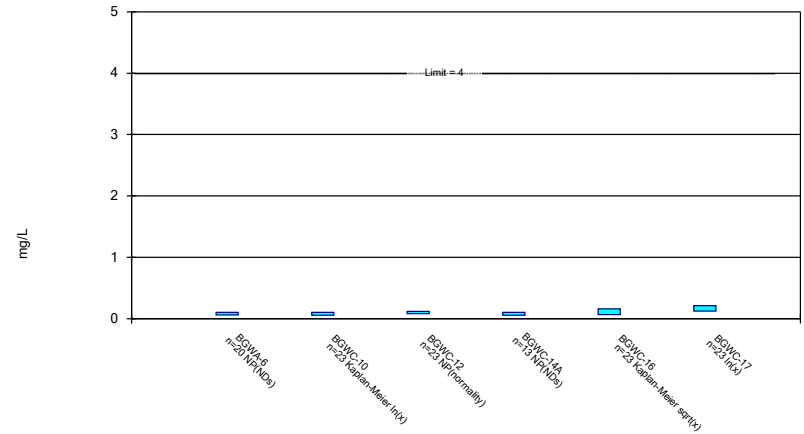
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

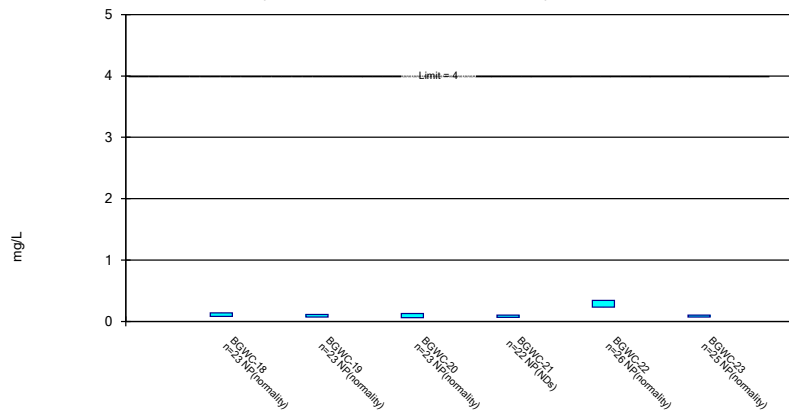
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

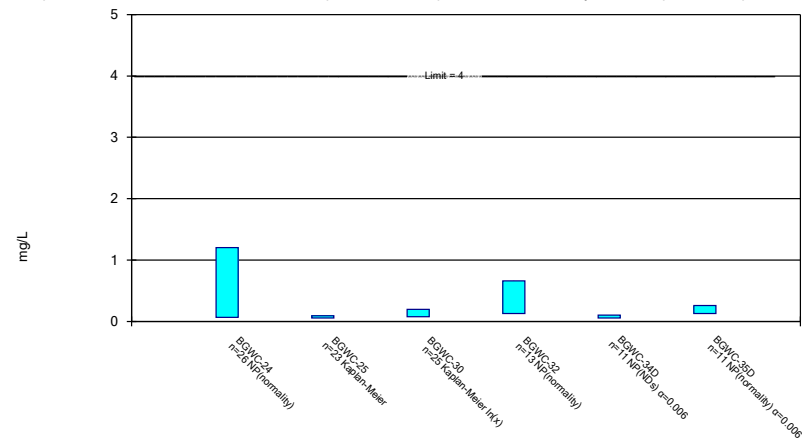
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

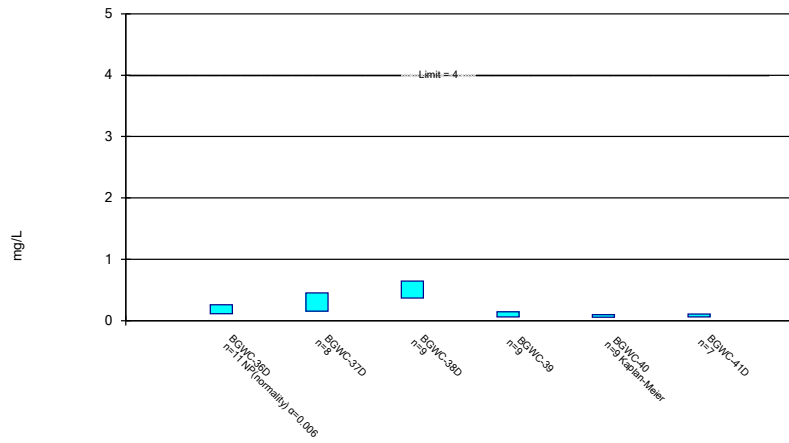
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

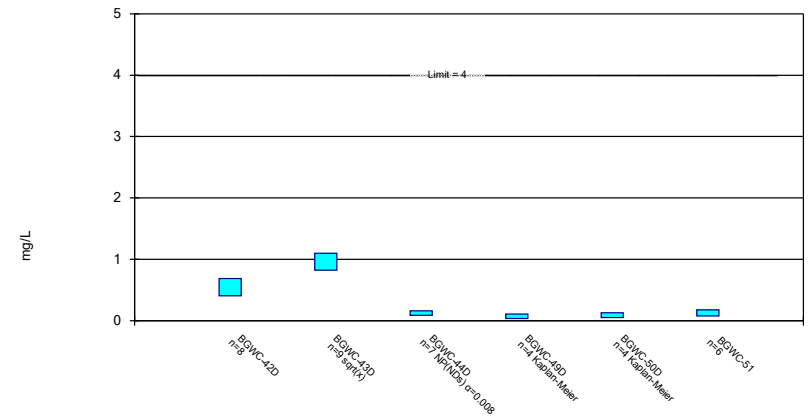
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

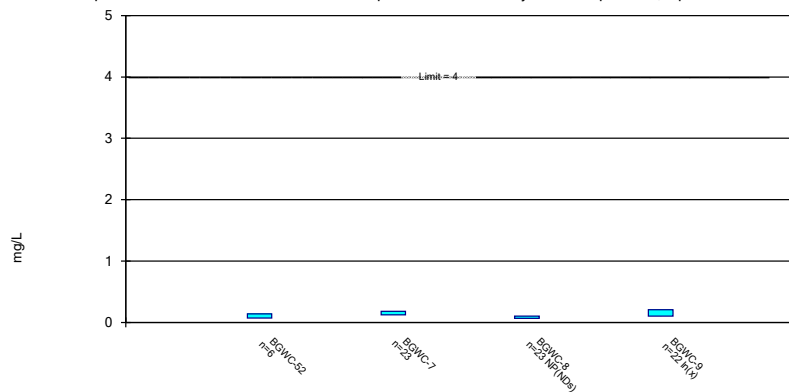
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

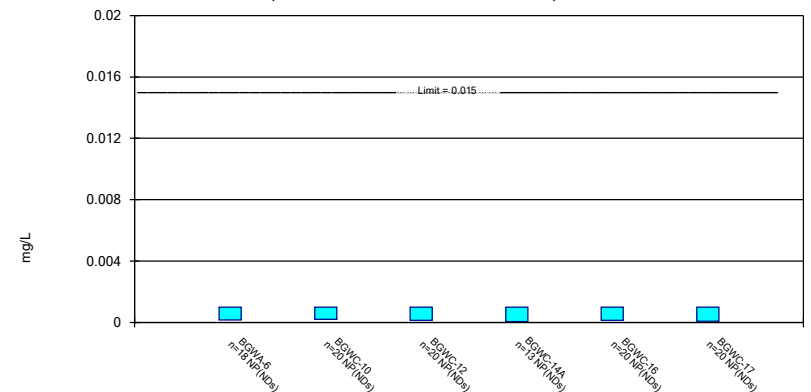
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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.

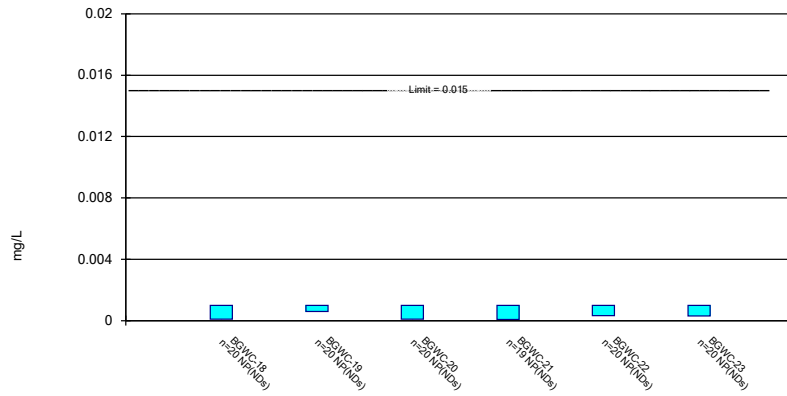


Constituent: Lead Analysis Run 4/18/2023 12:36 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1



### Non-Parametric Confidence Interval

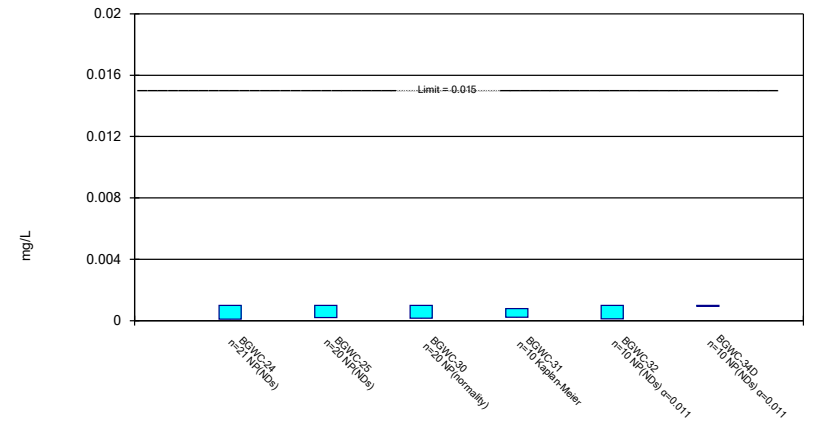
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

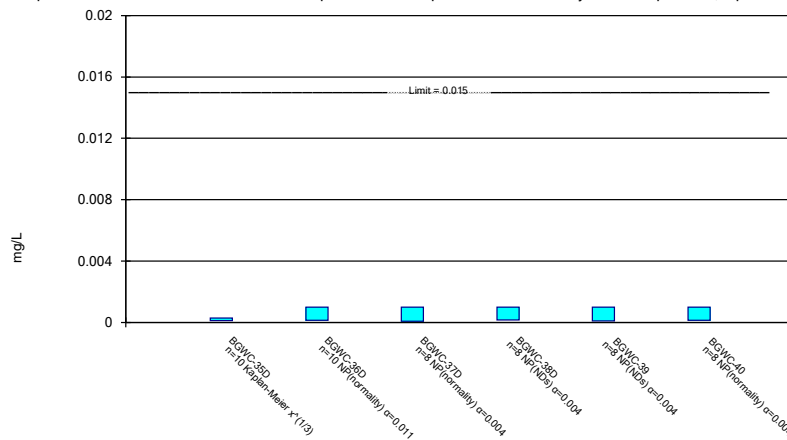
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

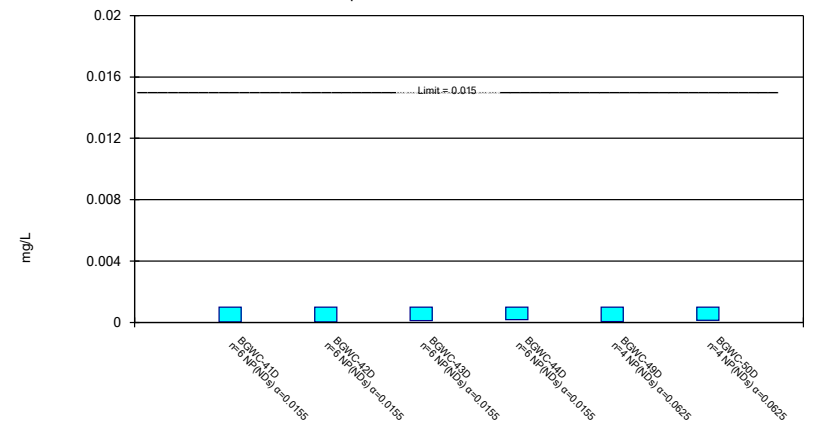
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

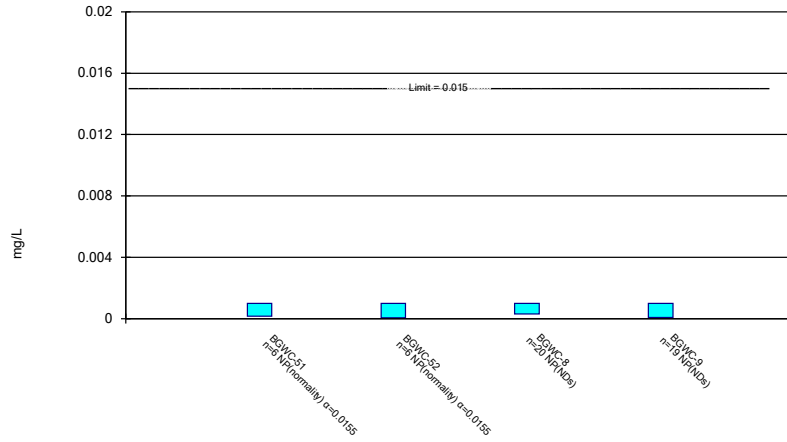
Compliance Limit is not exceeded.



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

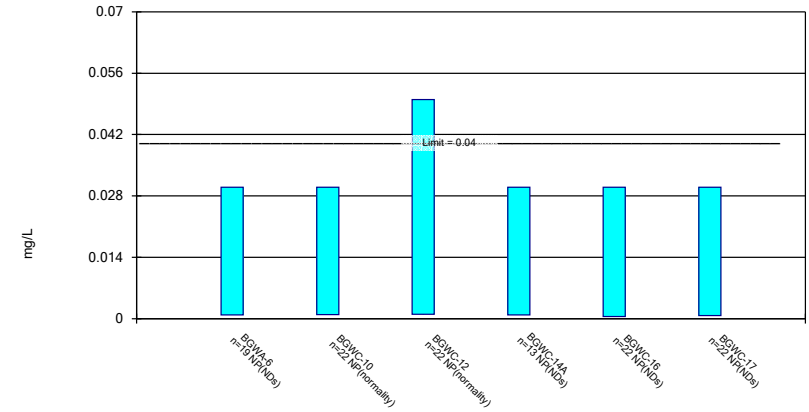
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



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

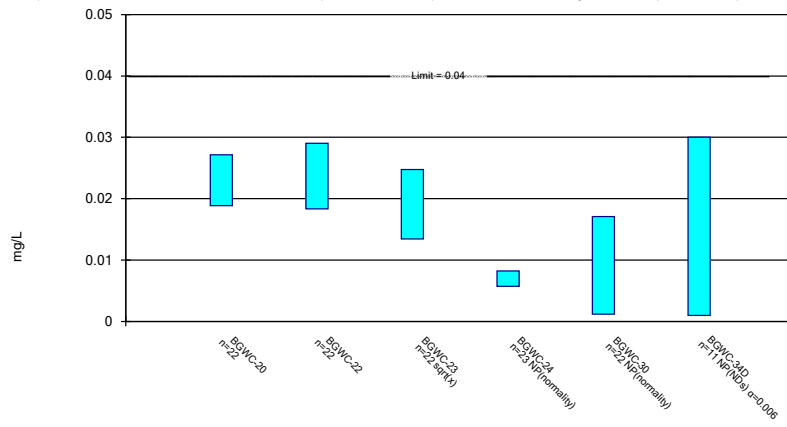
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

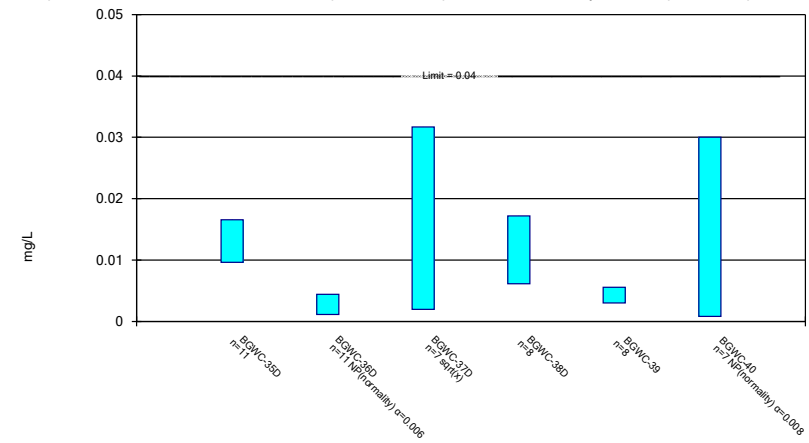
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

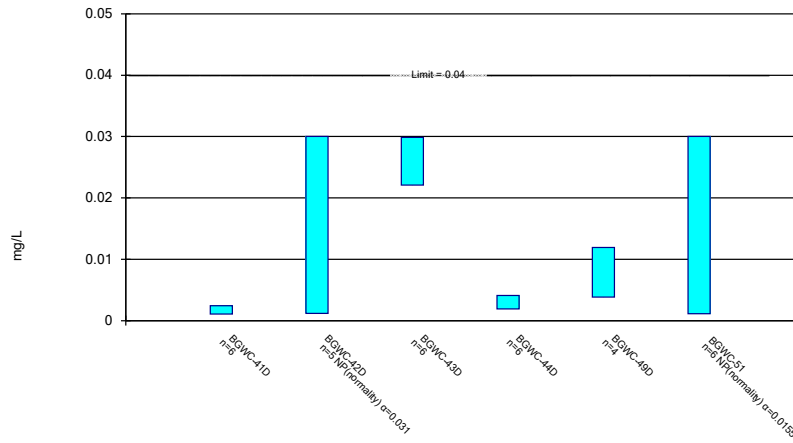
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

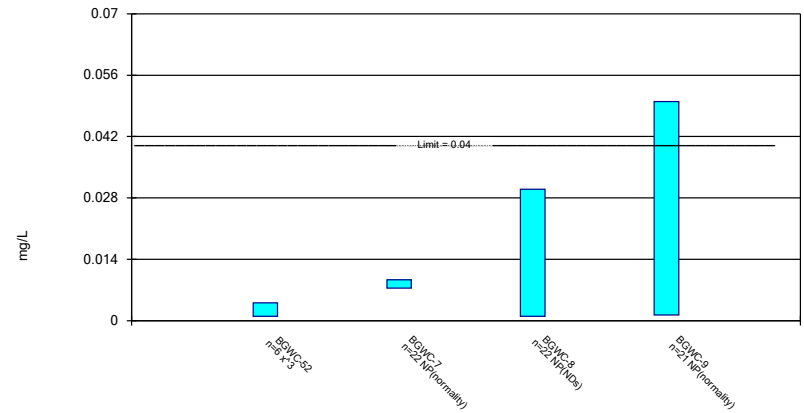
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

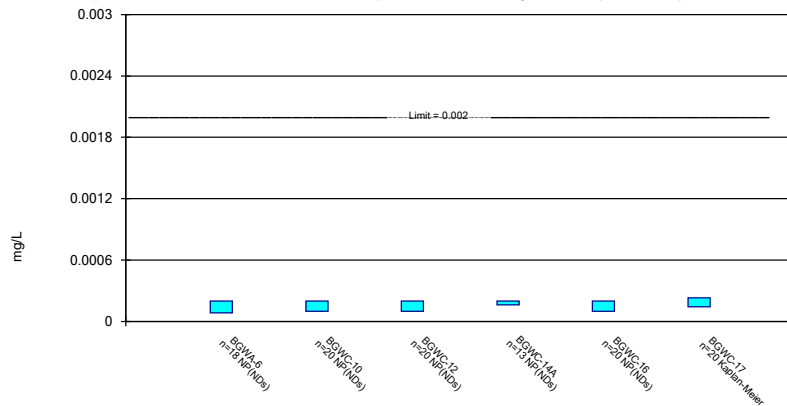
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

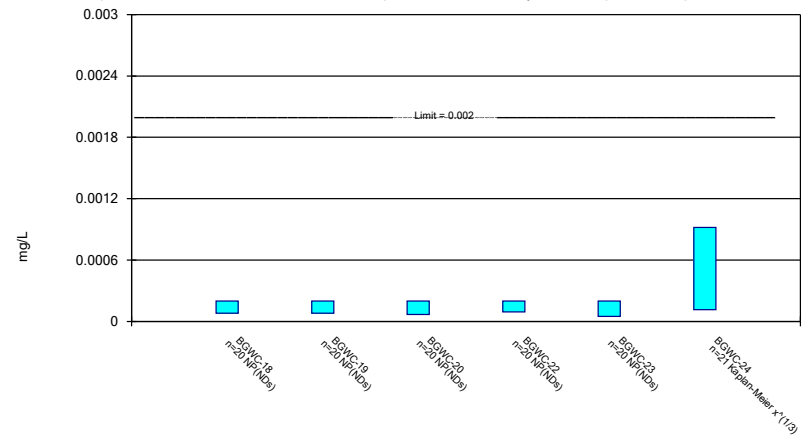
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

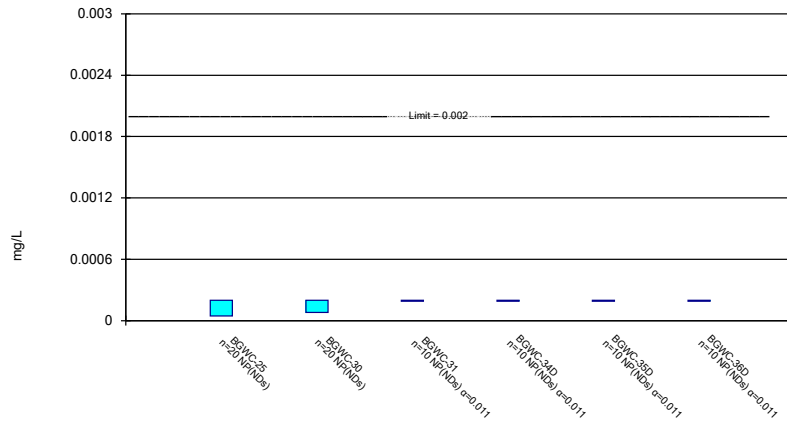
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

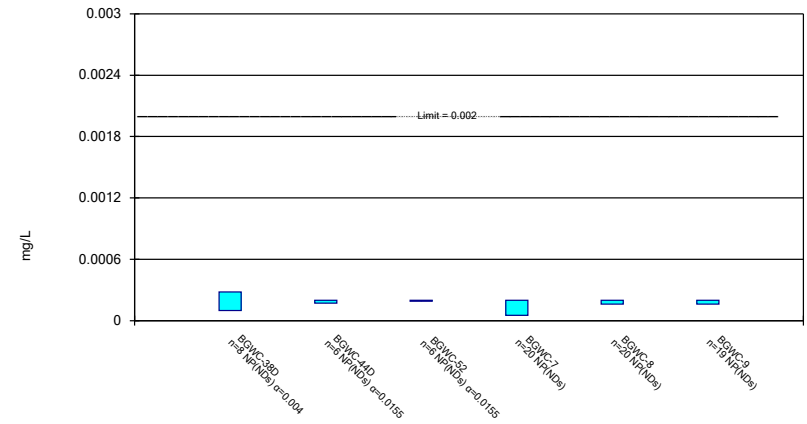
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



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

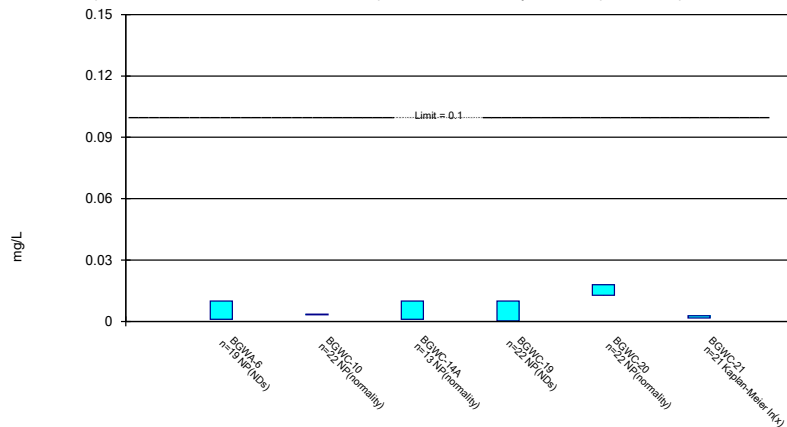
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



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

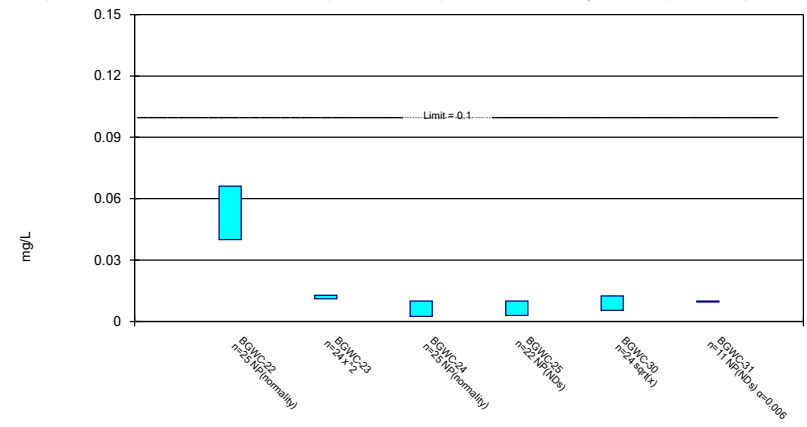
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

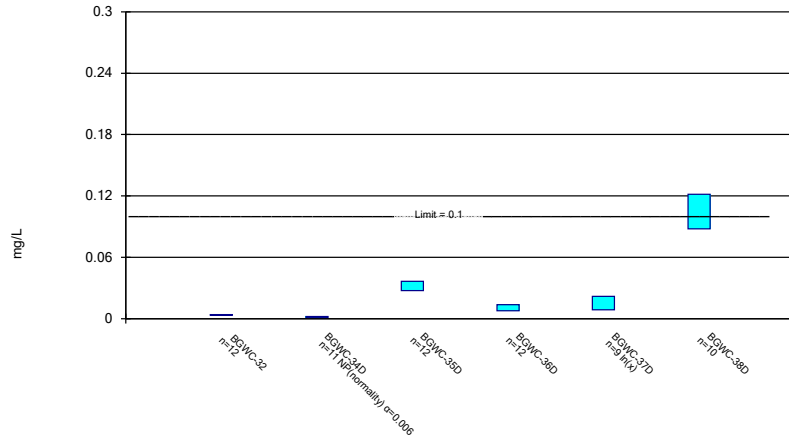
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

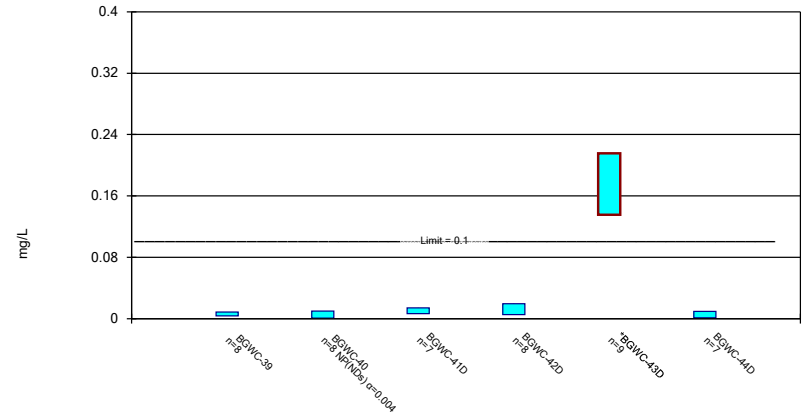
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

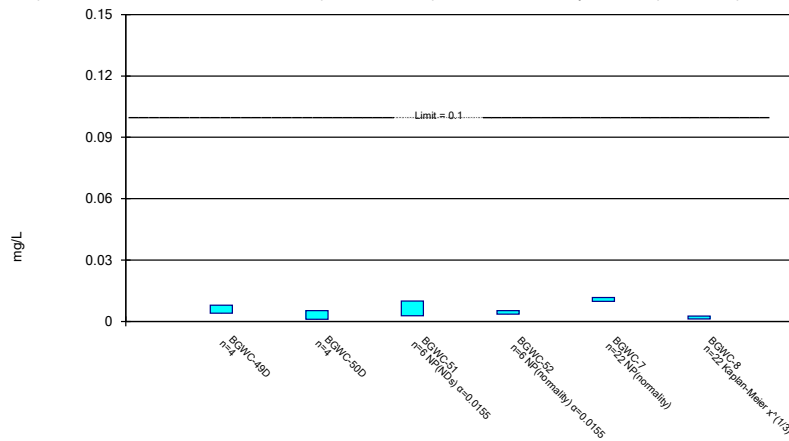
Compliance limit is exceeded.\* Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

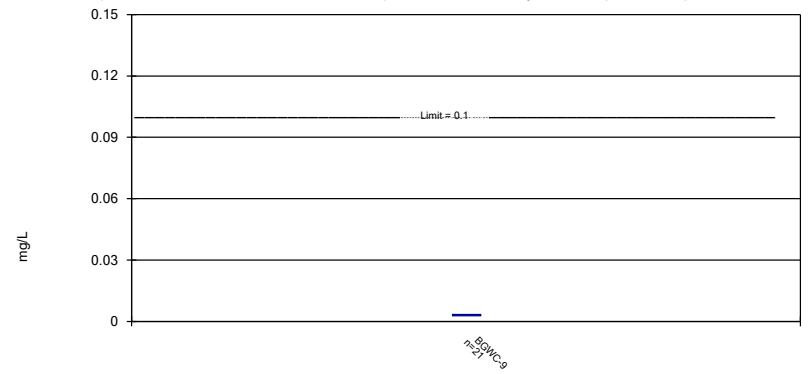
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

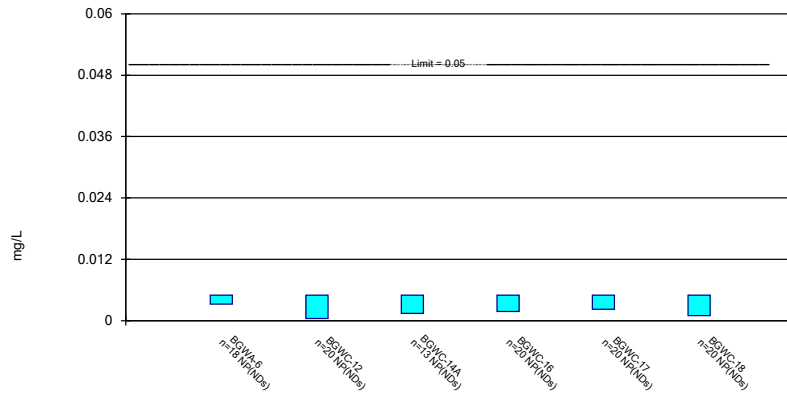
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

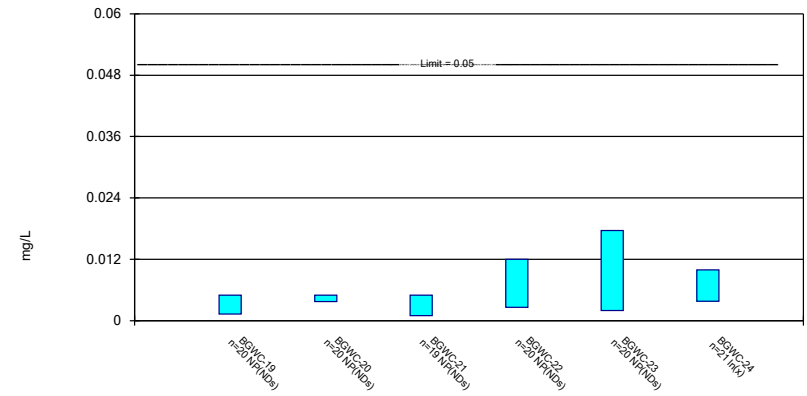
Compliance Limit is not exceeded. Per-well alpha = 0.01.



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

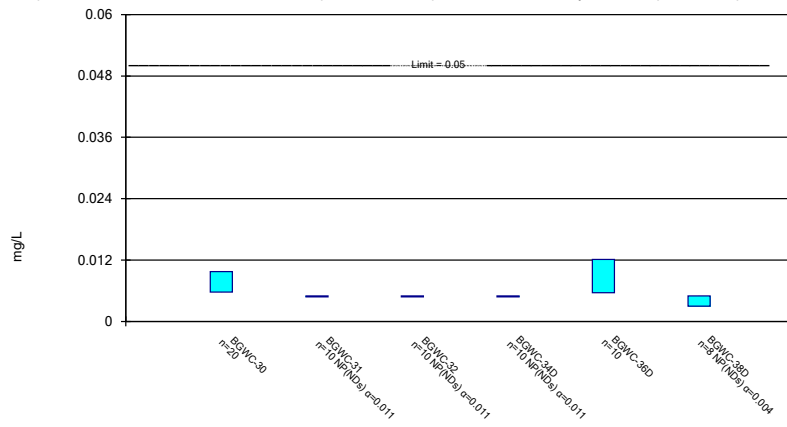
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

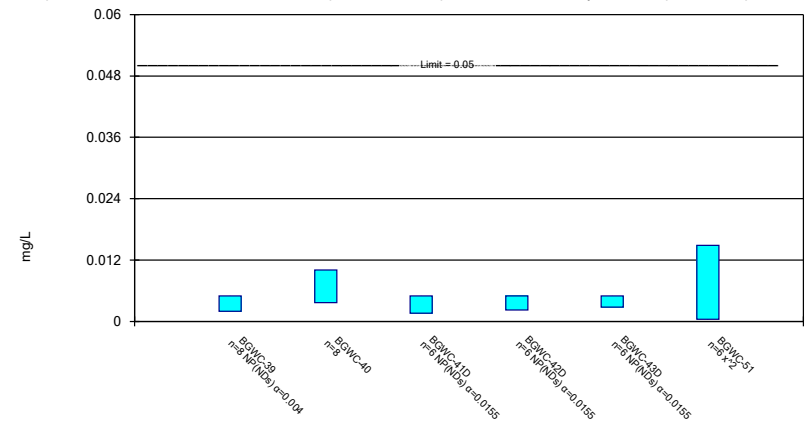
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



Constituent: Selenium Analysis Run 4/18/2023 12:37 PM View: Appendix IV  
 Plant Bowen Client: Southern Company Data: Bowen AP-1

### Parametric and Non-Parametric (NP) Confidence Interval

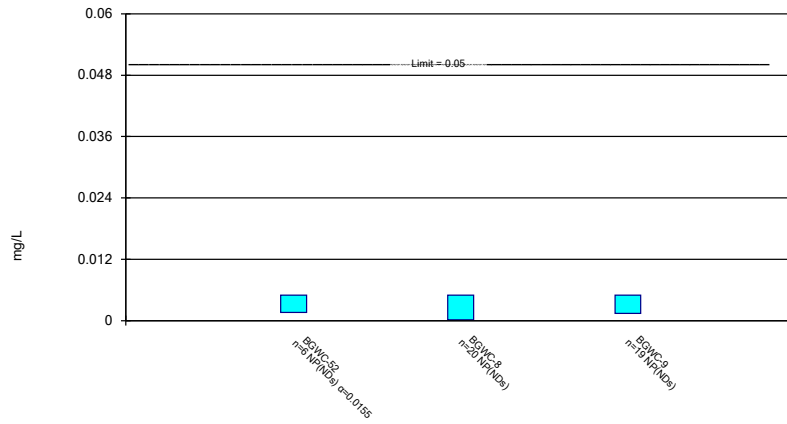
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

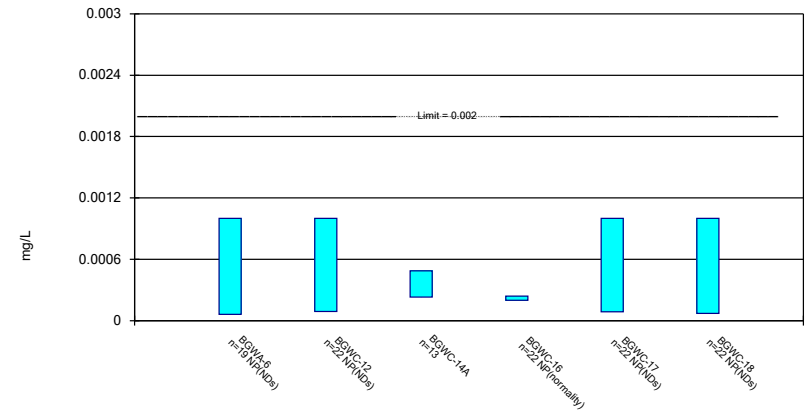
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted.



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

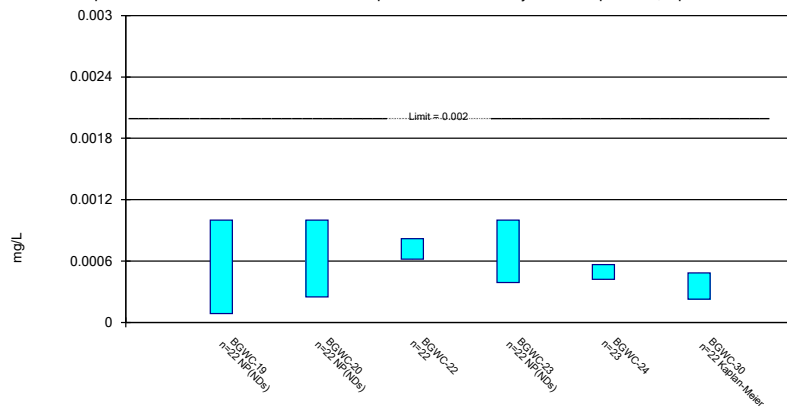
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

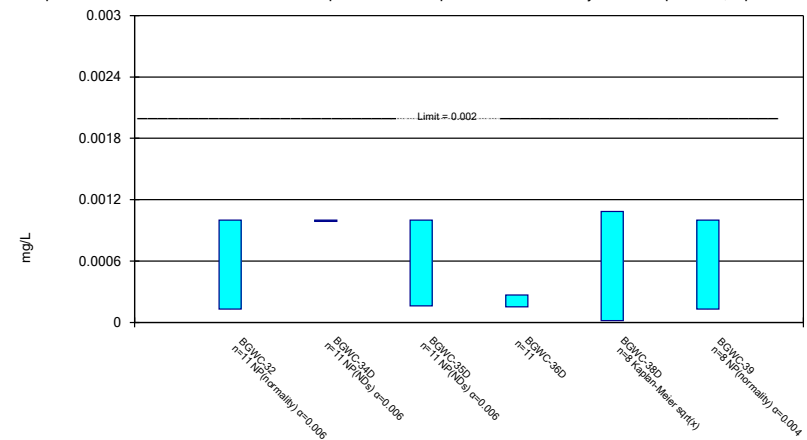
Compliance Limit is not exceeded. Per-well alpha = 0.01. Normality Test: Shapiro Wilk, alpha based on n.



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

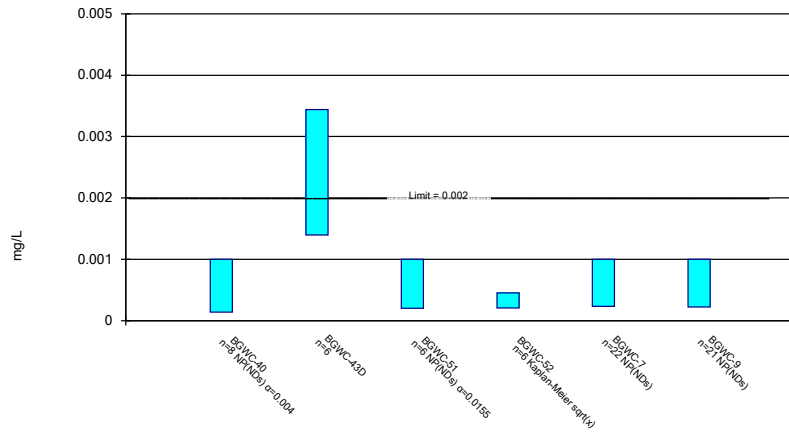
Compliance Limit is not exceeded. Per-well alpha = 0.01 except as noted. Normality Test: Shapiro Wilk, alpha based on n.



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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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

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	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					

# 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
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

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	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

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	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

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	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

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	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

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	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

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	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

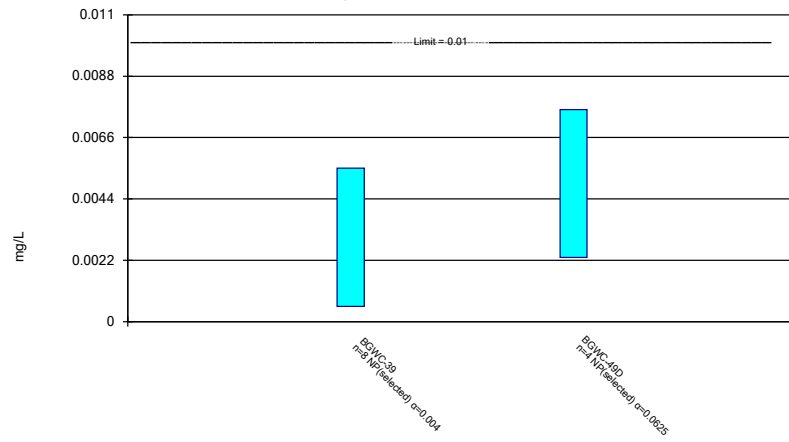
Constituent: Thallium (mg/L) Analysis Run 4/18/2023 12:41 PM View: Appendix IV  
Plant Bowen Client: Southern Company Data: Bowen AP-1

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	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.

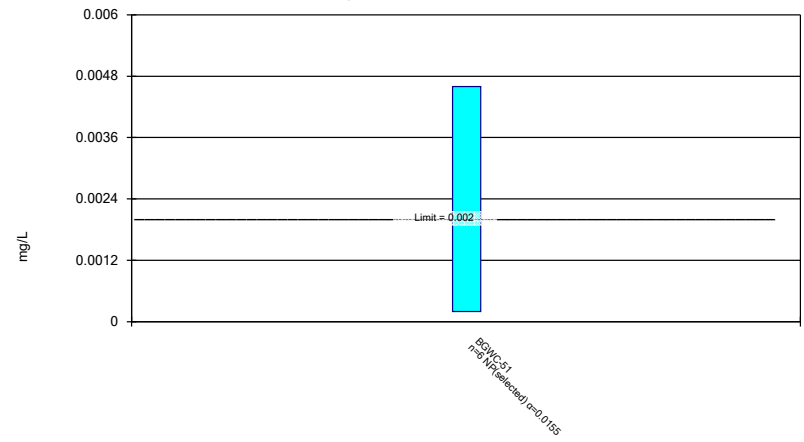


Normality testing disabled.

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

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	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

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	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>
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.004271</b>	<b>236</b>	<b>111</b>	<b>Yes</b>	<b>25</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

# Appendix IV Trend Tests - All Results

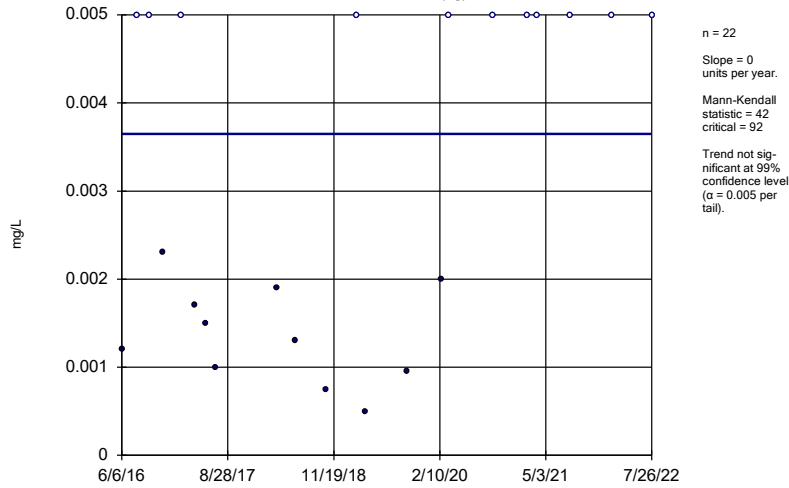
Plant Bowen Client: Southern Company Data: Bowen AP-1 Printed 4/18/2023, 2:04 PM

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
<b>Cobalt (mg/L)</b>	<b>BGWC-22</b>	<b>0.004271</b>	<b>236</b>	<b>111</b>	<b>Yes</b>	<b>25</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
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

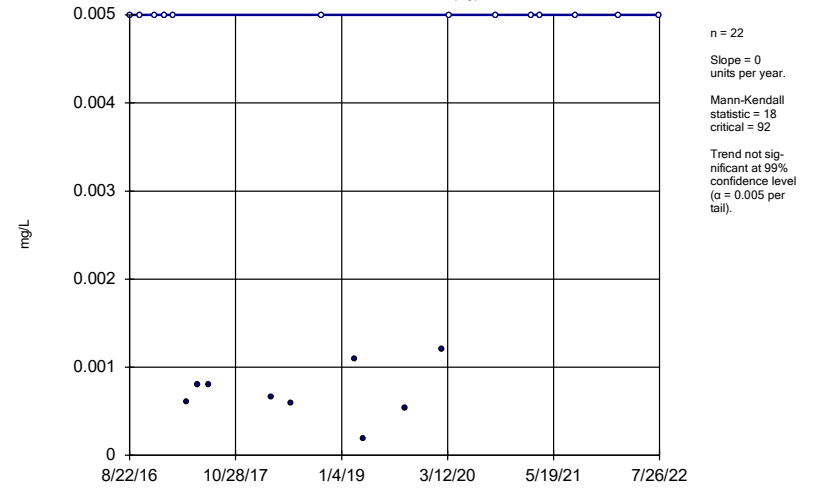
BGWA-2 (bg)



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

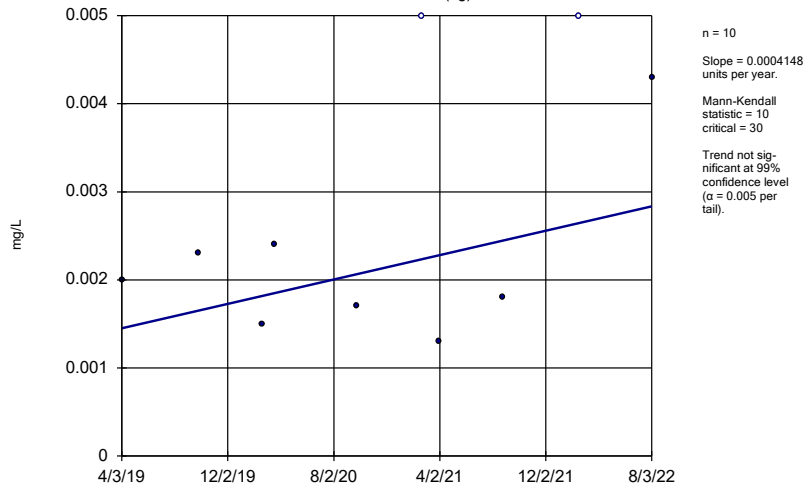
BGWA-29 (bg)



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

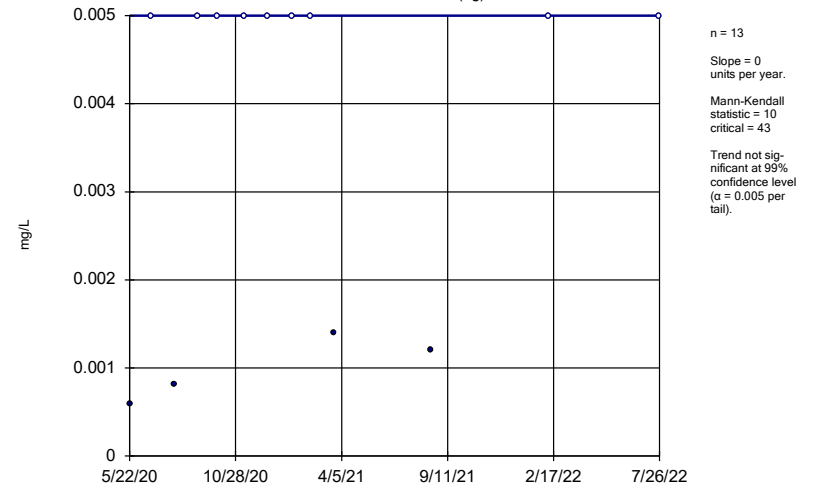
BGWA-33 (bg)



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

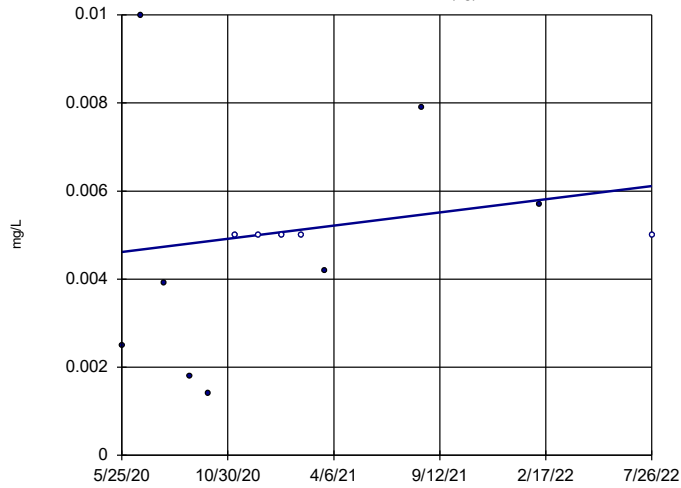
BGWA-47D (bg)



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)

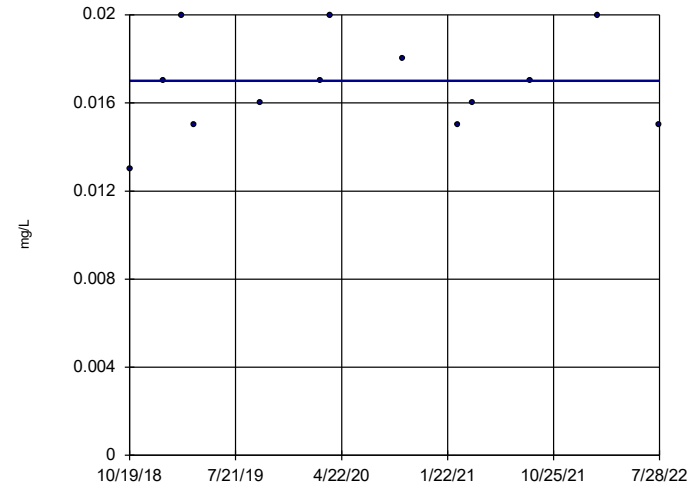


n = 13  
Slope = 0.0006897  
units per year.  
Mann-Kendall  
statistic = 22  
critical = 43  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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

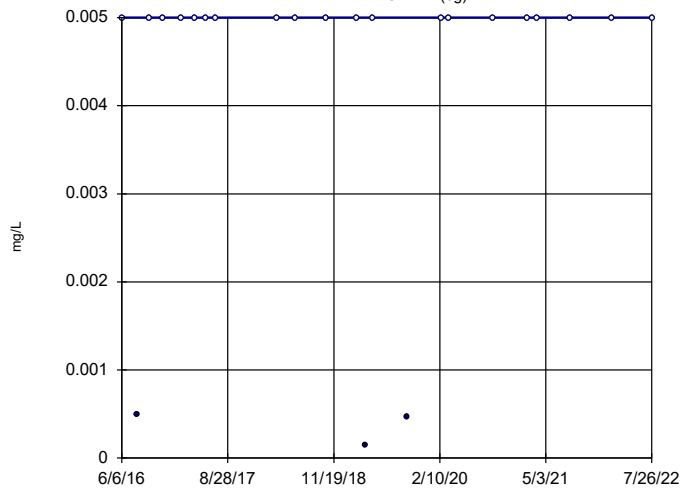


n = 13  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 8  
critical = 43  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

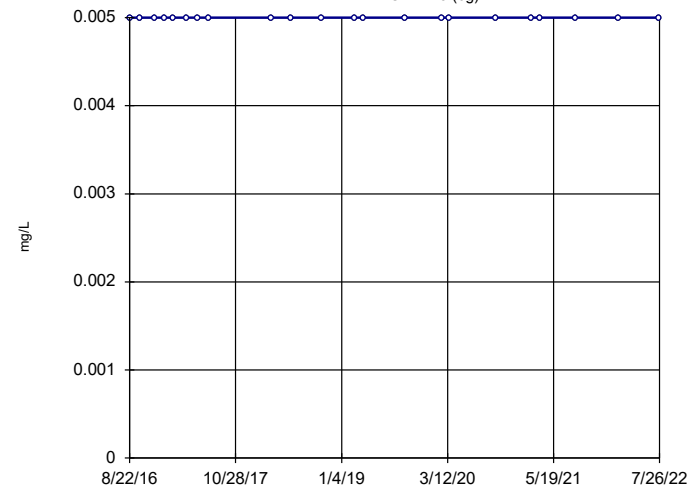


n = 23  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 11  
critical = 98  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

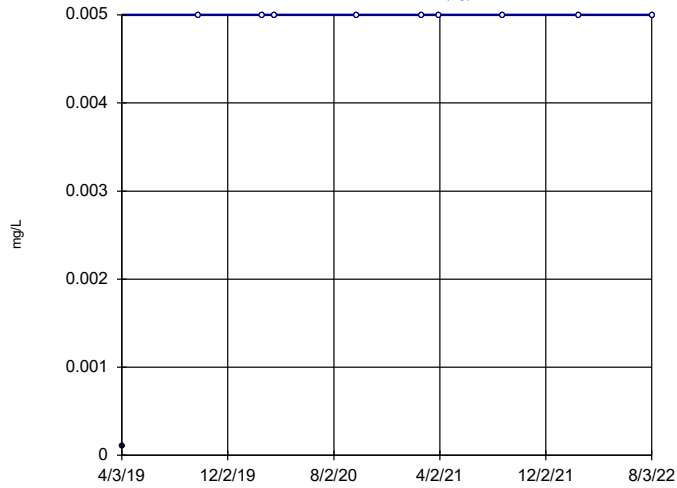


n = 22  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 0  
critical = 92  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

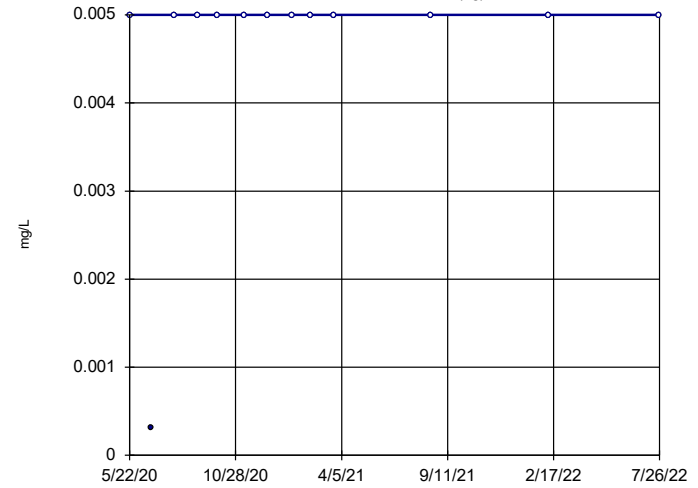


n = 10  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 9  
critical = 30  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

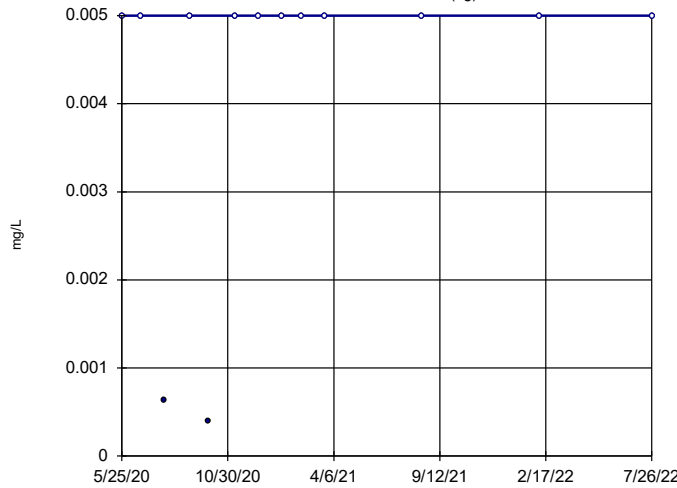


n = 13  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 10  
critical = 43  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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)

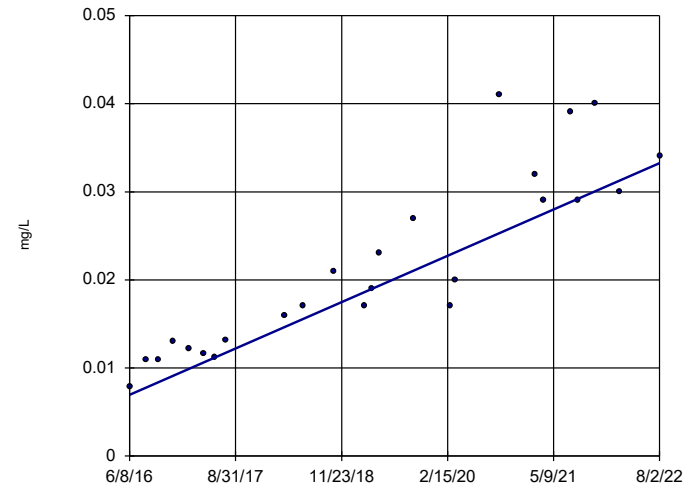


n = 13  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 11  
critical = 43  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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

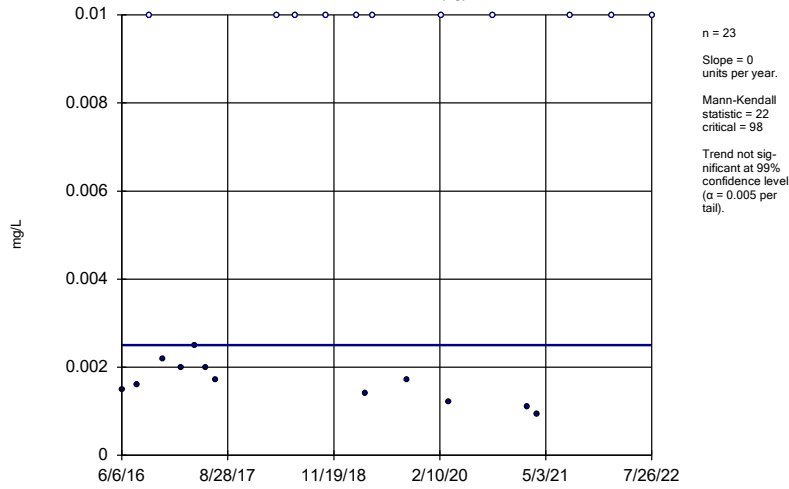


n = 25  
Slope = 0.004271  
units per year.  
Mann-Kendall  
statistic = 236  
critical = 111  
Increasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

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

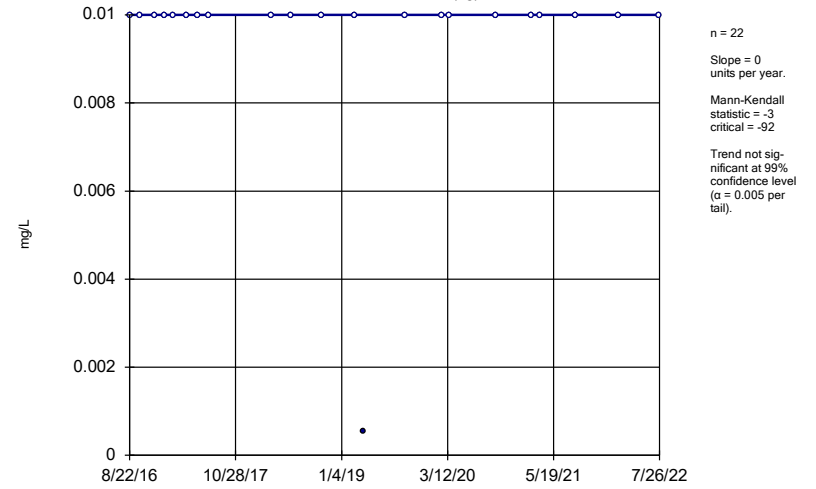
BGWA-2 (bg)



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

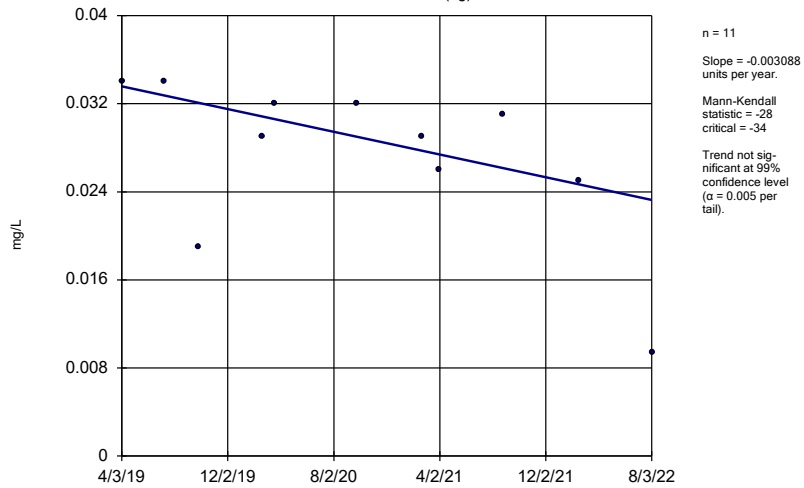
BGWA-29 (bg)



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

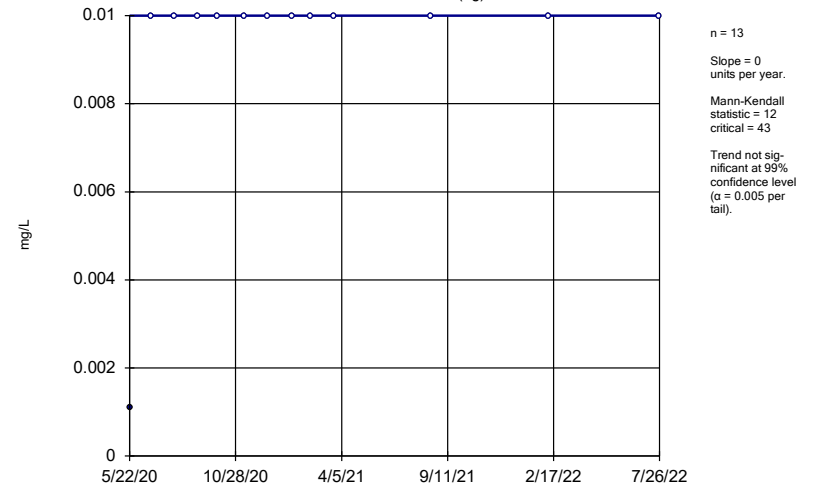
BGWA-33 (bg)



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

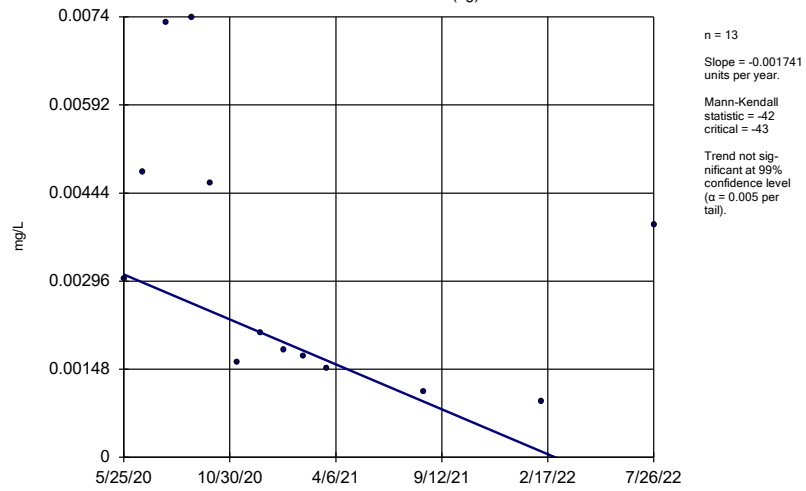
BGWA-47D (bg)



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

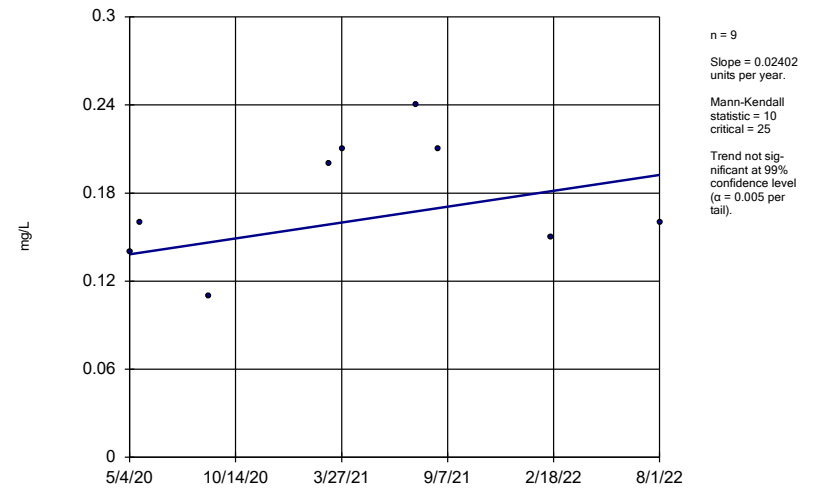
BGWA-48D (bg)



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

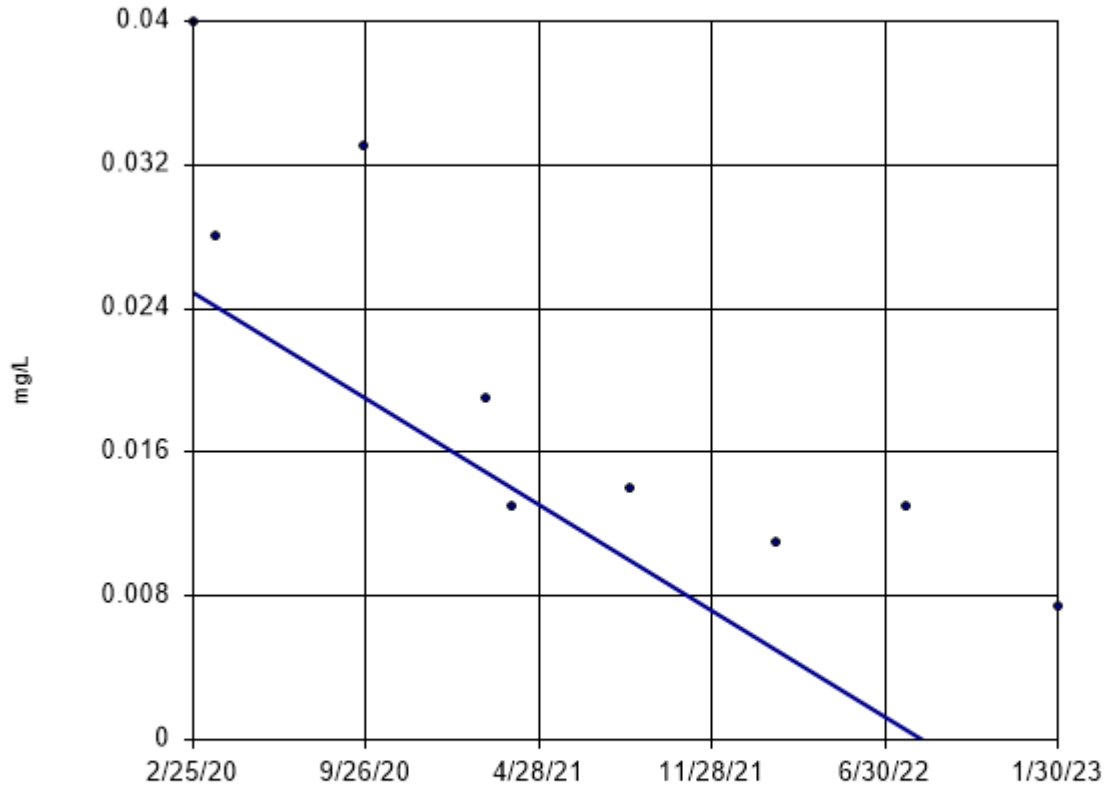


Constituent: Molybdenum Analysis Run 4/18/2023 2:04 PM View: Appendix IV Trend Tests  
Plant Bowen Client: Southern Company Data: Bowen AP-1

# 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